

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010420.D
 Acq On : 17 May 2019 18:24
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:05 PM

Quant Time: May 17 23:43:30 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	756238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1328310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1184896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	574099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	436428	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
35) Dibromofluoromethane	7.88	113	430518	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
50) Toluene-d8	10.32	98	1623707	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.62	95	623085	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	274110	57.532	ug/l 100
3) Chloromethane	2.20	50	394331	60.280	ug/l 100
4) Vinyl Chloride	2.35	62	422366	51.349	ug/l 100
5) Bromomethane	2.75	94	240497	45.806	ug/l 100
6) Chloroethane	2.90	64	273093	55.566	ug/l 100
7) Trichlorofluoromethane	3.25	101	602560	106.067	ug/l 100
8) Diethyl Ether	3.68	74	214383	54.043	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	384260	54.654	ug/l 100
10) Methyl Iodide	4.26	142	434245	40.032	ug/l 100
11) Tert butyl alcohol	5.17	59	188788	295.520	ug/l 100
12) 1,1-Dichloroethene	4.03	96	356779	48.582	ug/l 100
13) Acrolein	3.89	56	124439	307.762	ug/l 100
14) Allyl chloride	4.67	41	562257	59.044	ug/l 100
15) Acrylonitrile	5.37	53	473574	270.769	ug/l 100
16) Acetone	4.12	43	347818	249.418	ug/l 100
17) Carbon Disulfide	4.37	76	1002549	50.189	ug/l 100
18) Methyl Acetate	4.67	43	203502	45.690	ug/l 100
19) Methyl tert-butyl Ether	5.43	73	1058105	88.081	ug/l 100
20) Methylene Chloride	4.91	84	386988	47.481	ug/l 100
21) trans-1,2-Dichloroethene	5.42	96	417644	51.031	ug/l 100
22) Diisopropyl ether	6.31	45	1214160	53.482	ug/l 100
23) Vinyl Acetate	6.26	43	3875895	250.796	ug/l 100
24) 1,1-Dichloroethane	6.21	63	694237	50.146	ug/l 100
25) 2-Butanone	7.17	43	623176	238.536	ug/l 100
26) 2,2-Dichloropropane	7.17	77	613963	77.913	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	474722	50.269	ug/l 100
28) Bromochloromethane	7.51	49	282996	49.283	ug/l 100
29) Tetrahydrofuran	7.53	42	417492	238.559	ug/l 100
30) Chloroform	7.67	83	742243	51.029	ug/l 100
31) Cyclohexane	7.95	56	654802	48.635	ug/l 100
32) 1,1,1-Trichloroethane	7.87	97	693504	59.130	ug/l 100
36) 1,1-Dichloropropene	8.08	75	564255	49.367	ug/l 100
37) Ethyl Acetate	7.25	43	279297	48.734	ug/l 100
38) Carbon Tetrachloride	8.07	117	616394	52.582	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	753719	49.779	ug/l	100
40) Benzene	8.32	78	1618311	48.674	ug/l	100
41) Methacrylonitrile	7.48	41	184792	53.069	ug/l	100
42) 1,2-Dichloroethane	8.40	62	488025	50.338	ug/l	100
43) Isopropyl Acetate	8.43	43	574302	48.640	ug/l	100
44) Trichloroethene	9.09	130	470149	49.512	ug/l	100
45) 1,2-Dichloropropane	9.37	63	403906	48.966	ug/l	100
46) Dibromomethane	9.46	93	241257	50.230	ug/l	100
47) Bromodichloromethane	9.65	83	594437	50.468	ug/l	100
48) Methyl methacrylate	9.43	41	259479	47.813	ug/l	100
49) 1,4-Dioxane	9.45	88	75824	903.250	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1447700	236.840	ug/l	100
52) Toluene	10.39	92	1075642	48.546	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	613663	49.461	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	689158	49.132	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	346943	49.955	ug/l	100
56) Ethyl methacrylate	10.65	69	475460	48.213	ug/l	100
57) 1,3-Dichloropropane	10.93	76	577764	49.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1226512	283.760	ug/l	100
59) 2-Hexanone	10.97	43	1010089	234.280	ug/l	100
60) Dibromochloromethane	11.13	129	434340	50.067	ug/l	100
61) 1,2-Dibromoethane	11.24	107	349568	49.878	ug/l	100
64) Tetrachloroethene	10.86	164	379984	48.516	ug/l	100
65) Chlorobenzene	11.66	112	1176030	50.020	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	433264	49.764	ug/l	100
67) Ethyl Benzene	11.73	91	2055144	49.220	ug/l	100
68) m/p-Xylenes	11.84	106	1609640	98.523	ug/l	100
69) o-Xylene	12.16	106	771099	48.970	ug/l	100
70) Styrene	12.18	104	1326876	48.475	ug/l	100
71) Bromoform	12.35	173	257163	50.938	ug/l	100
73) Isopropylbenzene	12.46	105	2065643	49.319	ug/l	100
74) N-amyl acetate	12.27	43	535750	46.199	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	415217	50.443	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	295309m	47.273	ug/l	
77) Bromobenzene	12.75	156	475019	49.156	ug/l	100
78) n-propylbenzene	12.80	91	2421069	49.431	ug/l	100
79) 2-Chlorotoluene	12.90	91	1407426	49.419	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1780132	49.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	146467	48.745	ug/l	100
82) 4-Chlorotoluene	12.99	91	1480334	49.538	ug/l	100
83) tert-Butylbenzene	13.21	119	1520847	49.974	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1753366	48.711	ug/l	100
85) sec-Butylbenzene	13.38	105	2143872	49.810	ug/l	100
86) p-Isopropyltoluene	13.50	119	1935538	49.423	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	927042	49.330	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	928353	49.496	ug/l	100
89) n-Butylbenzene	13.83	91	1862537	49.829	ug/l	100
90) Hexachloroethane	14.10	117	388625	50.122	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	862841	50.018	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77205	50.453	ug/l	100

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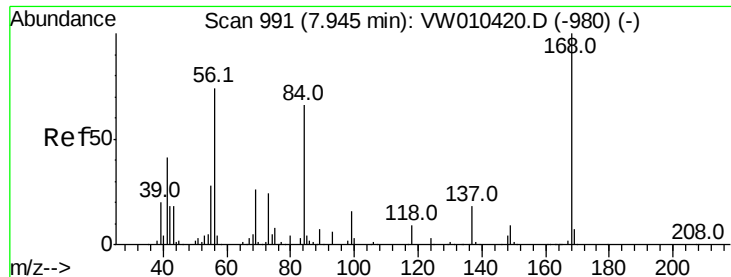
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	572201	48.253	ug/l	100
94) Hexachlorobutadiene	15.24	225	300577	49.618	ug/l	100
95) Naphthalene	15.37	128	1287827	48.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	501922	47.662	ug/l	100

(#) = 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: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 756238

Ion Ratio Lower Upper

168 100

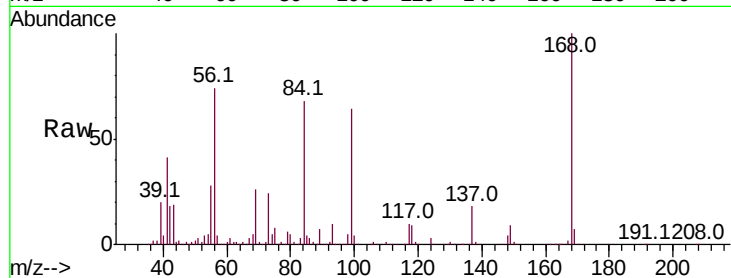
99 63.5 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

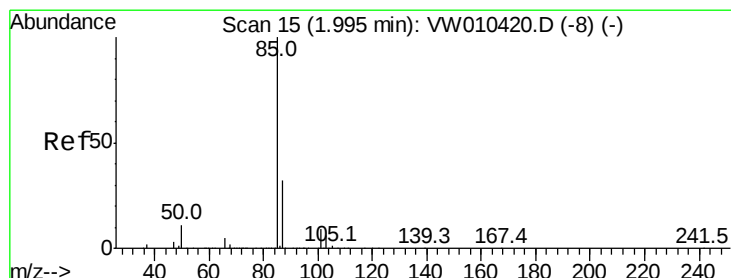
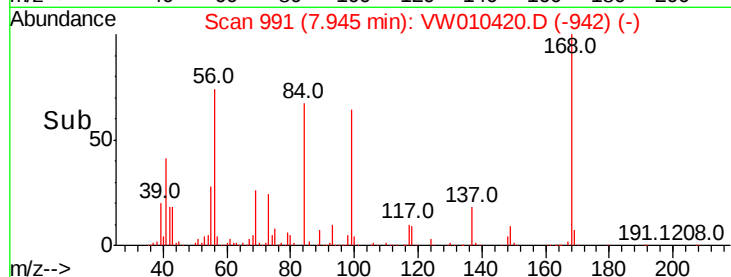
200000

100000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 57.532 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010420.D

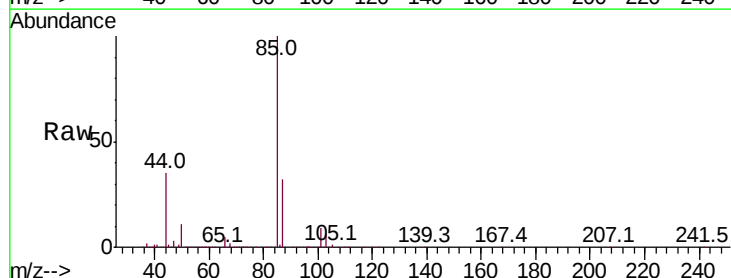
Acq: 17 May 2019 18:24

Tgt Ion: 85 Resp: 274110

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200000

150000

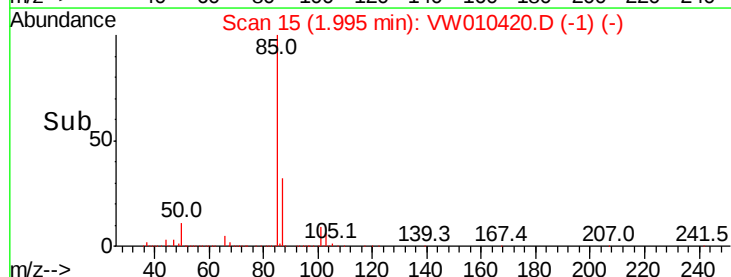
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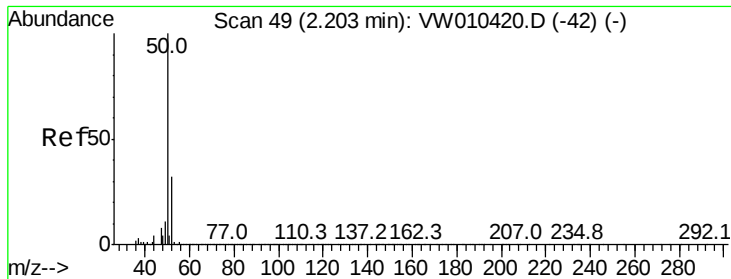
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 60.280 ug/l

RT: 2.20 min Scan# 49

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 394331

Ion Ratio Lower Upper

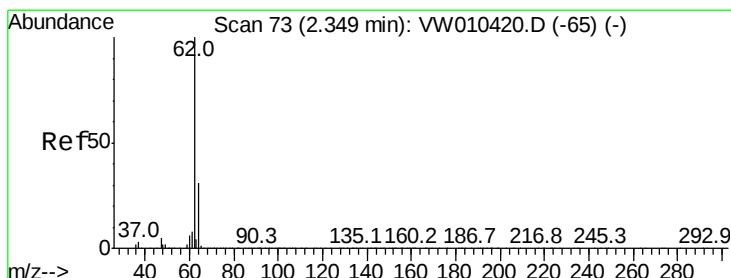
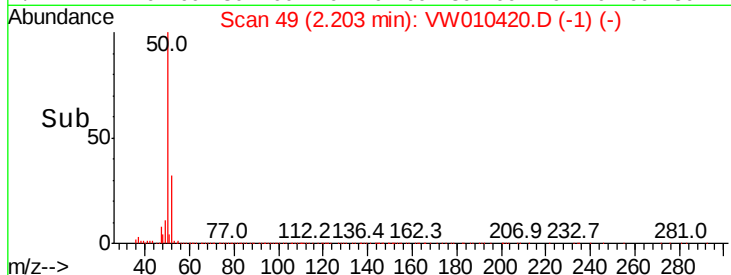
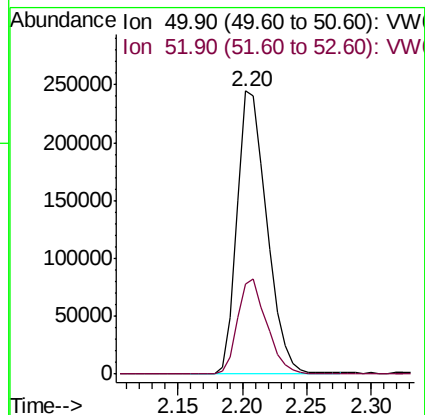
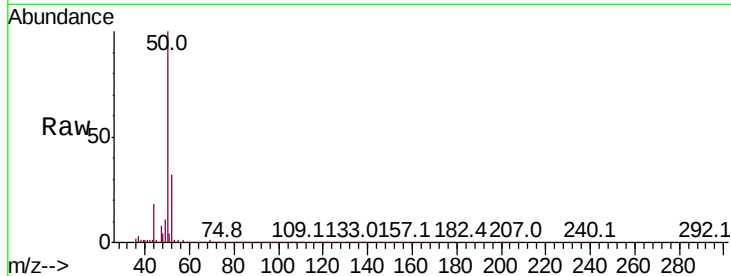
50 100

52 31.7 25.4 38.0

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#4

Vinyl Chloride

Concen: 51.349 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010420.D

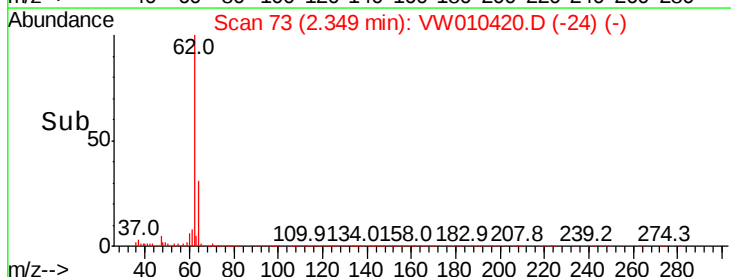
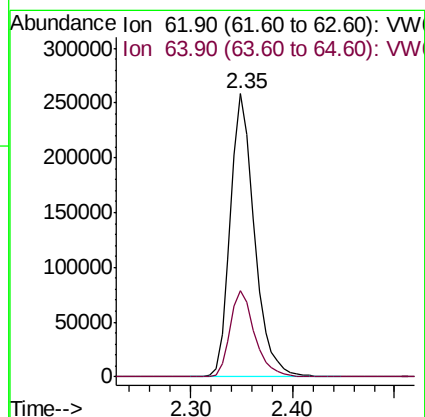
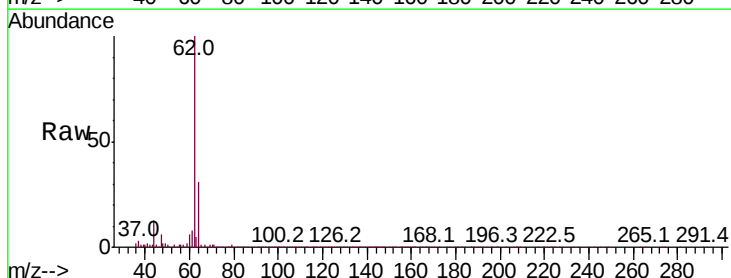
Acq: 17 May 2019 18:24

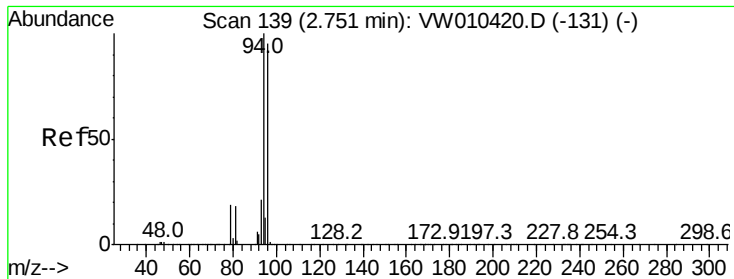
Tgt Ion: 62 Resp: 422366

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 45.806 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 240497

Ion Ratio Lower Upper

94 100

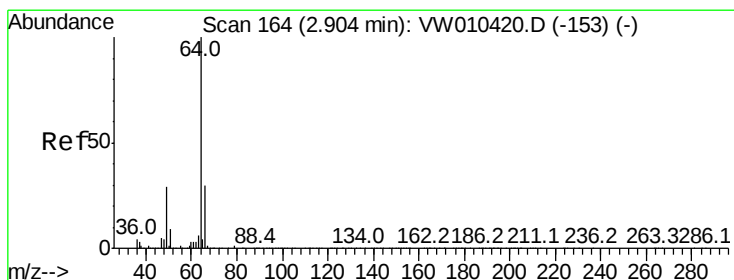
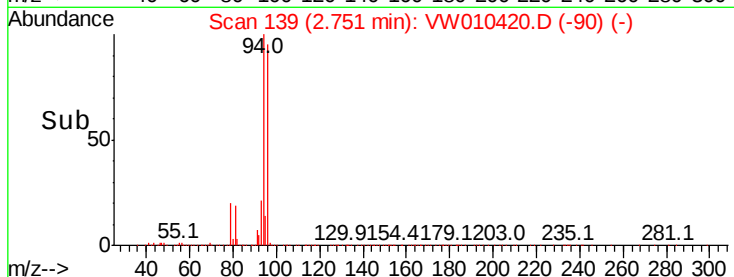
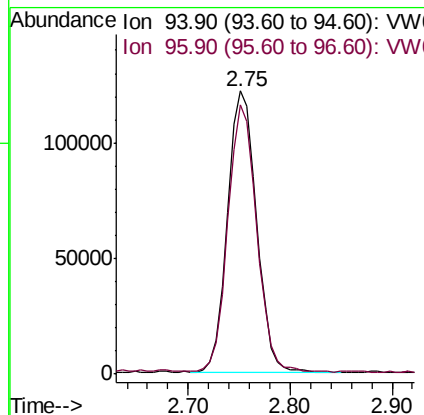
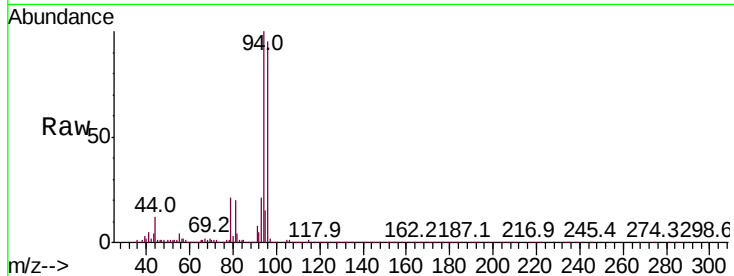
96 94.7 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 55.566 ug/l

RT: 2.90 min Scan# 164

Delta R.T. 0.00 min

Lab File: VW010420.D

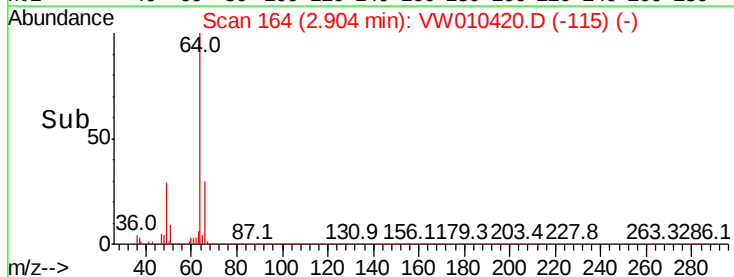
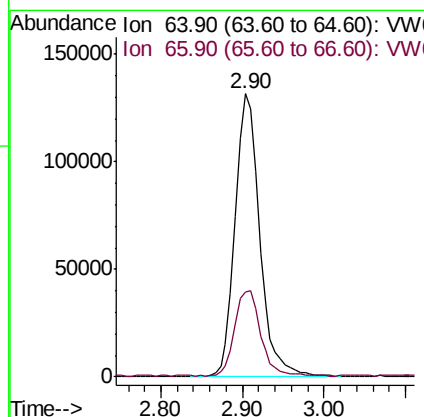
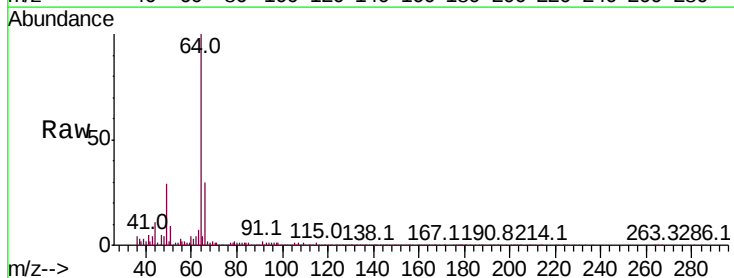
Acq: 17 May 2019 18:24

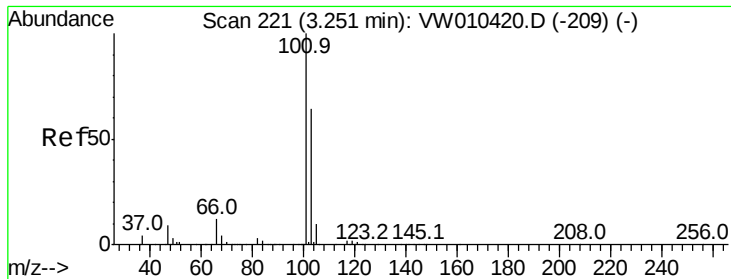
Tgt Ion: 64 Resp: 273093

Ion Ratio Lower Upper

64 100

66 29.5 23.6 35.4





#7

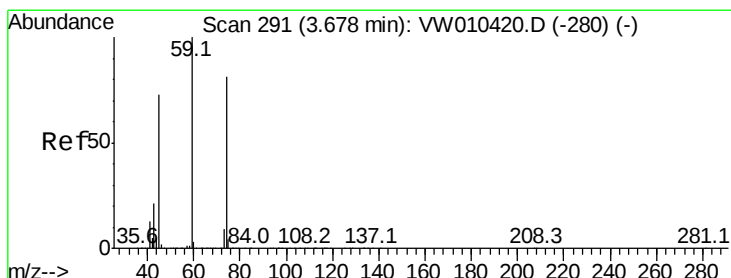
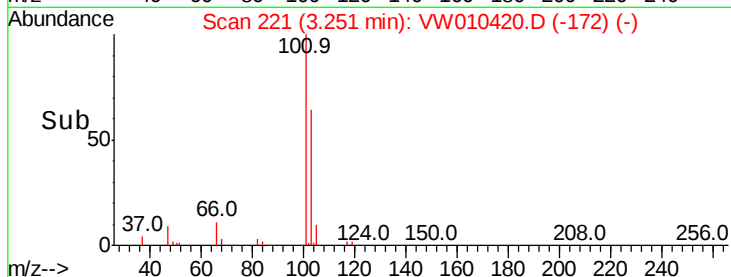
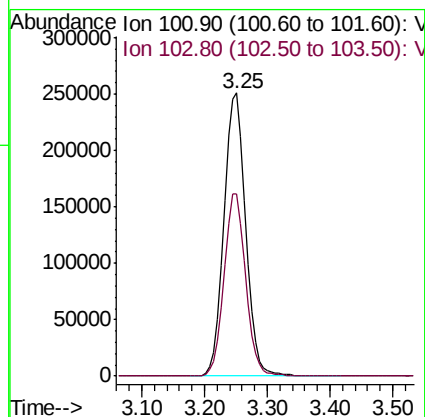
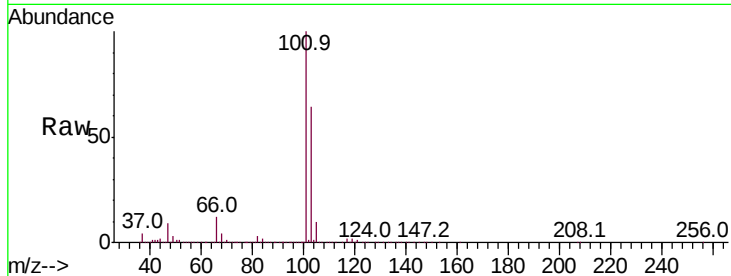
Trichlorofluoromethane
 Concen: 106.067 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	602560		
103	64.2	51.4	77.0	

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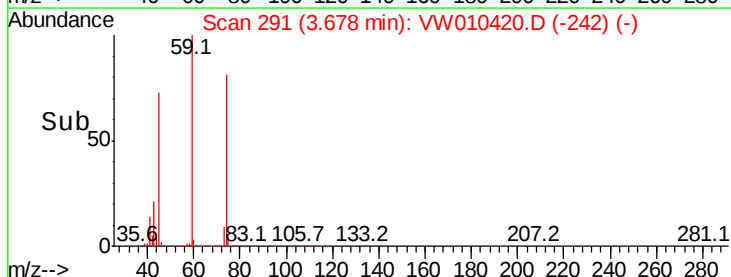
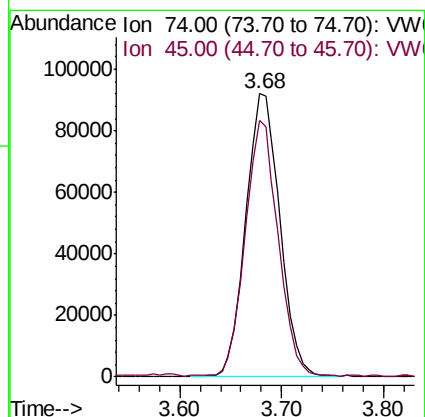
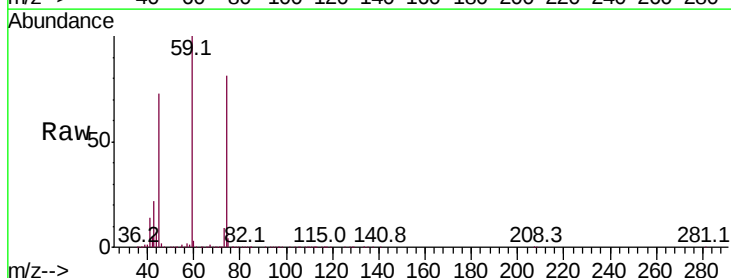
MMDadoda
 5/20/2019 12:16:05 PM

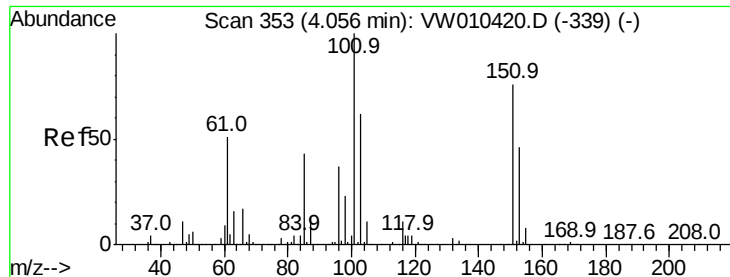


#8

Diethyl Ether
 Concen: 54.043 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	214383		
45	86.8	43.4	130.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.654 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

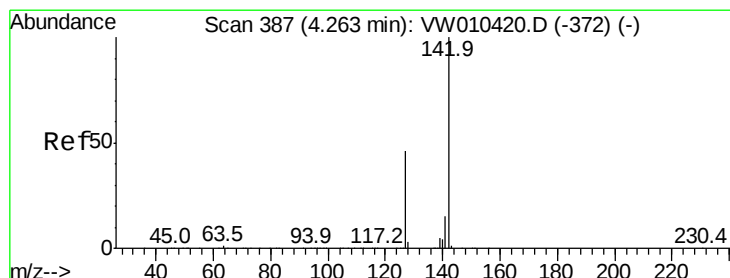
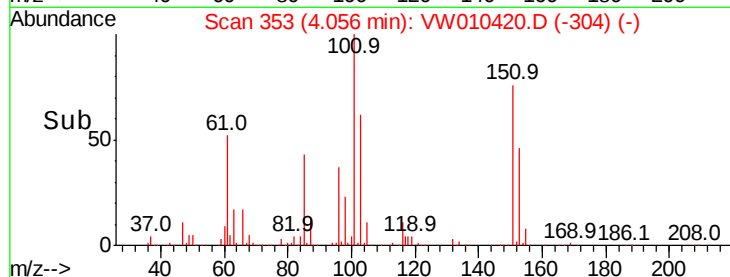
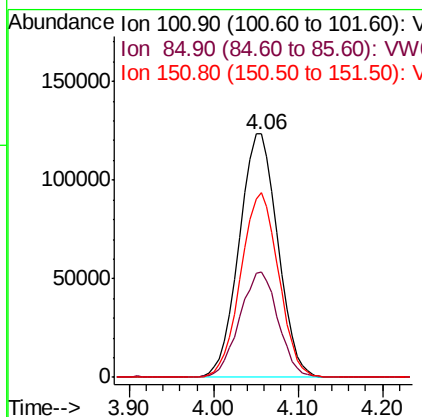
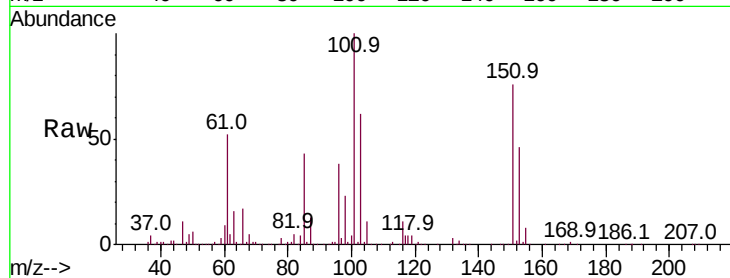
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	384260
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	74.3	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 40.032 ug/l

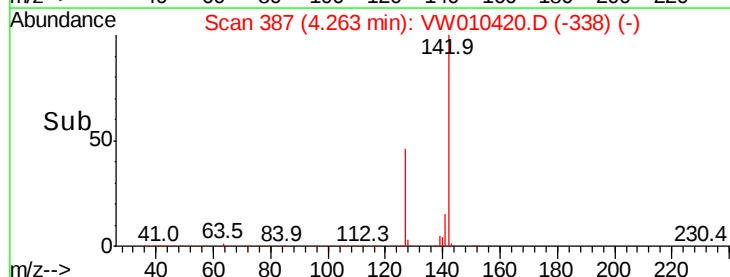
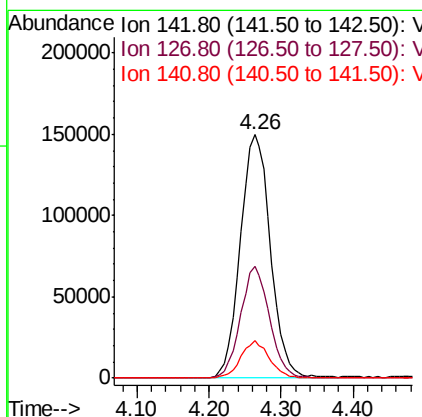
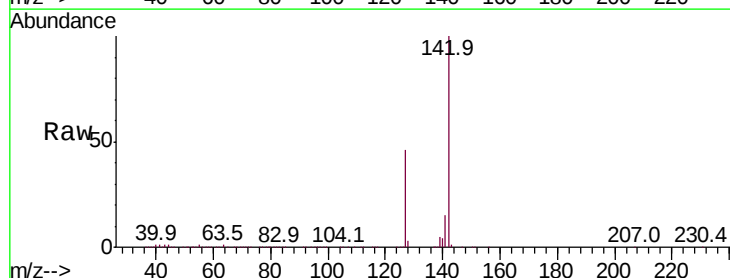
RT: 4.26 min Scan# 387

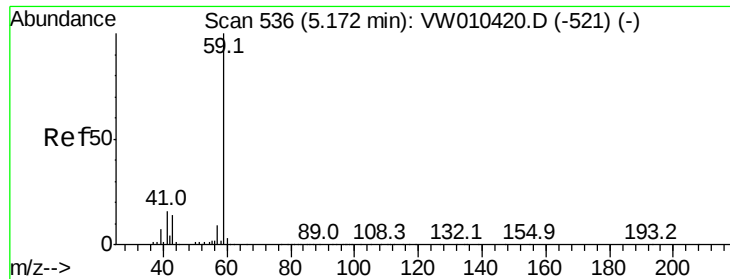
Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion:	142	Resp:	434245
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.4	53.2
141	14.3	11.4	17.2





#11

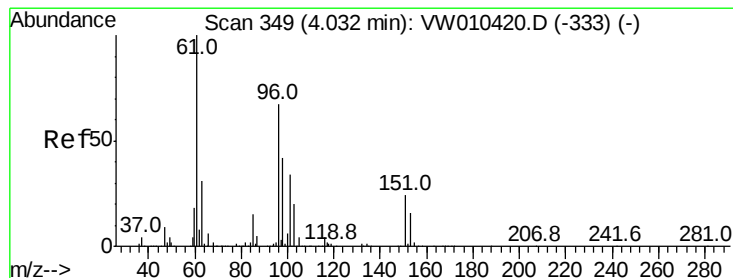
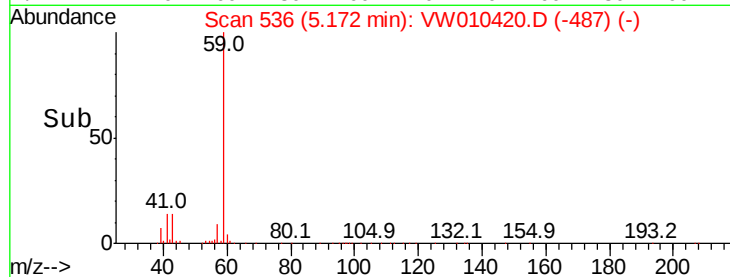
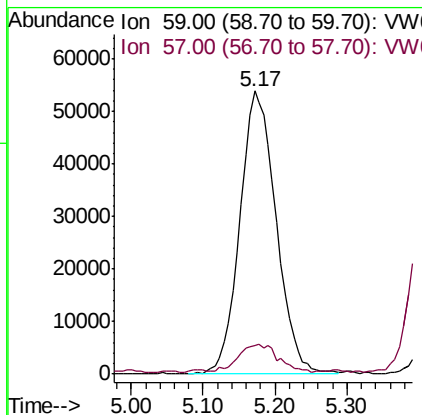
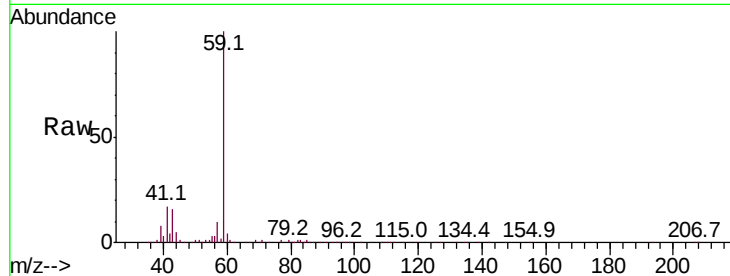
Tert butyl alcohol
Concen: 295.520 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	188788		
57	10.5		8.4	12.6

Manual Integrations
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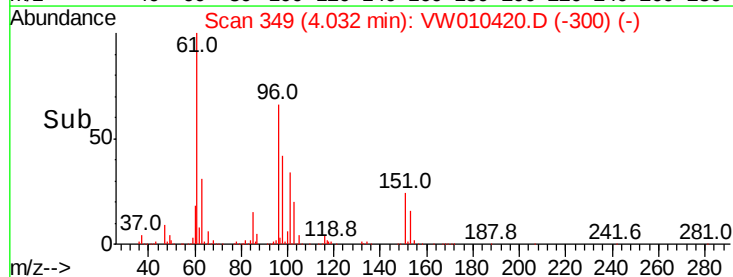
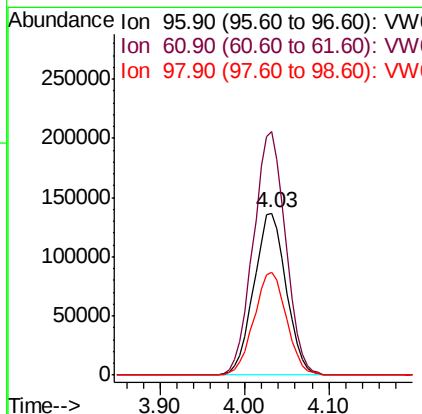
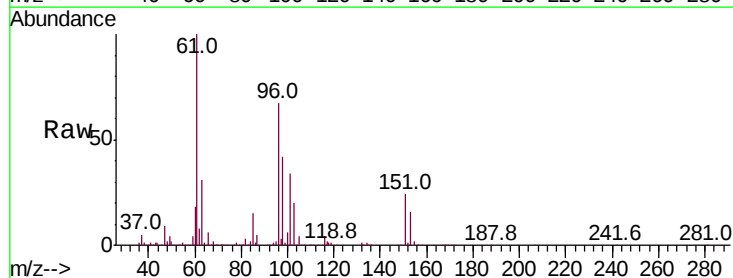
MMDadoda
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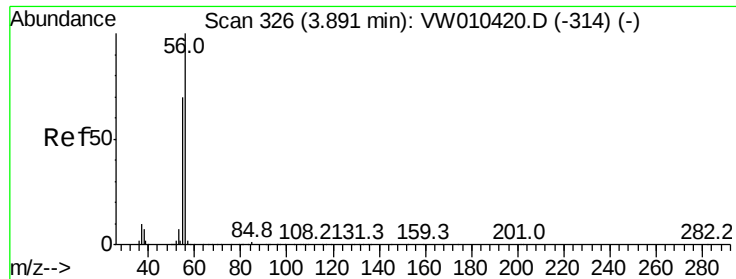


#12

1,1-Dichloroethene
Concen: 48.582 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	356779		
61	150.4		120.3	180.5
98	63.4		50.7	76.1





#13

Acrolein

Concen: 307.762 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 124439

Ion Ratio Lower Upper

56 100

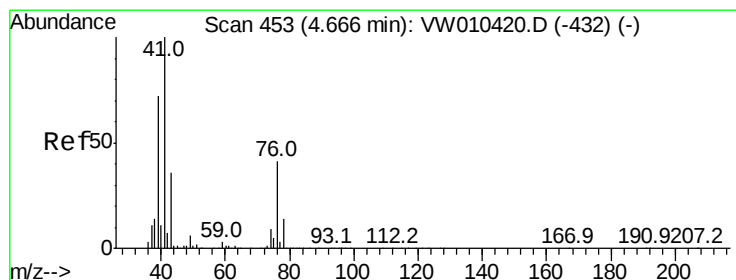
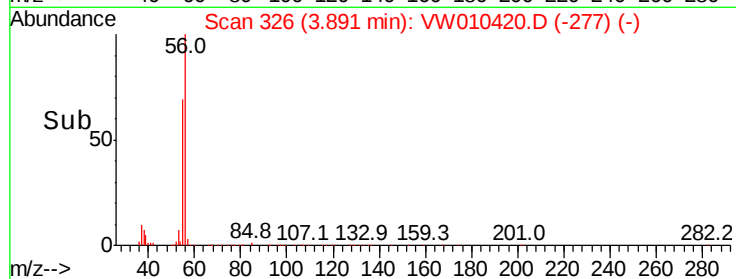
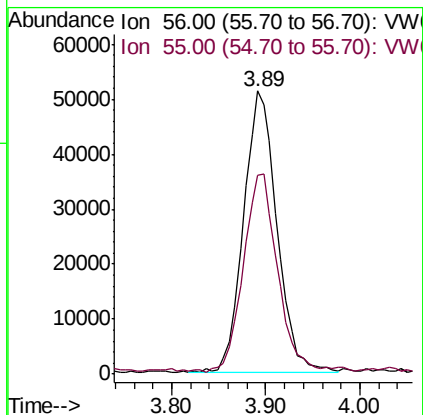
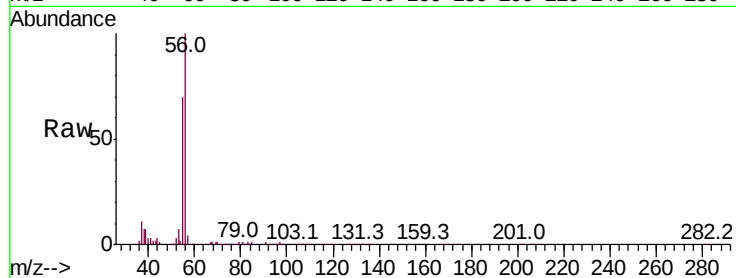
55 72.0 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 59.044 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

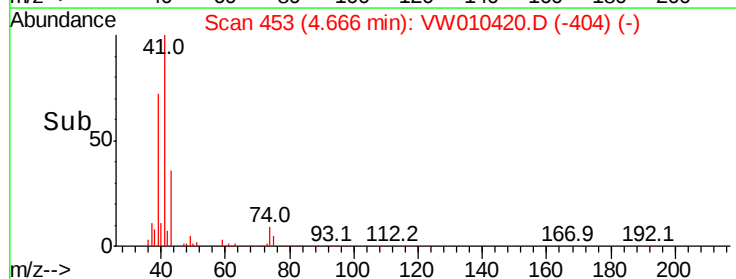
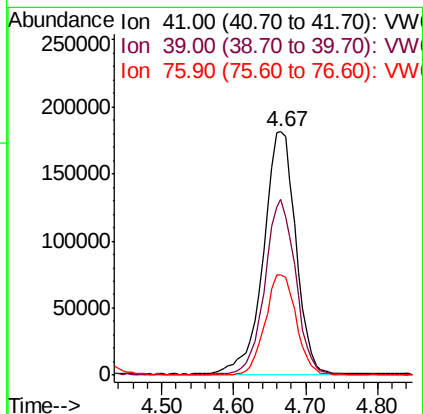
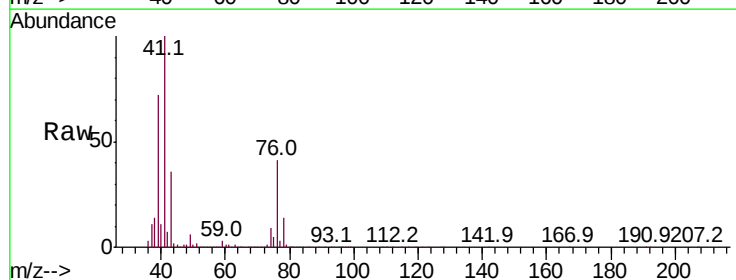
Tgt Ion: 41 Resp: 562257

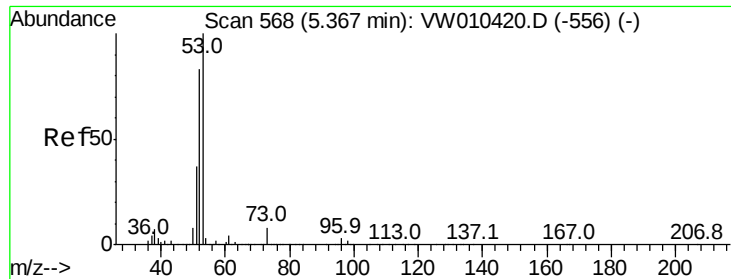
Ion Ratio Lower Upper

41 100

39 68.6 54.9 82.3

76 39.7 31.8 47.6





#15

Acrylonitrile

Concen: 270.769 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

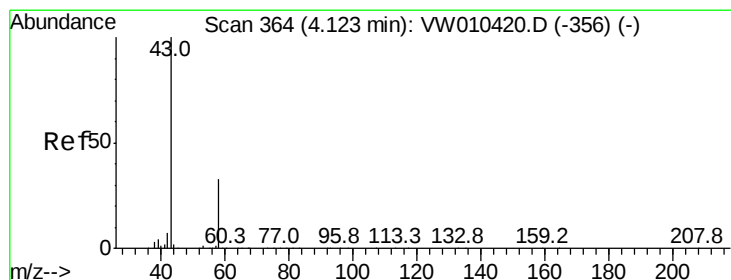
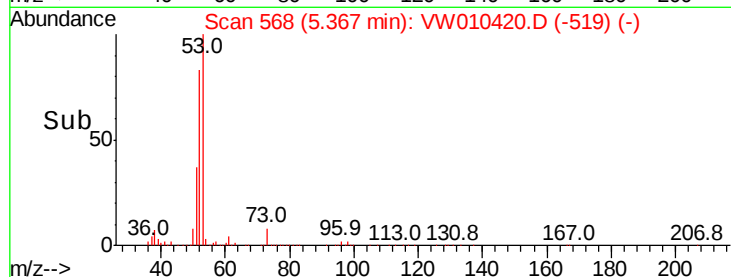
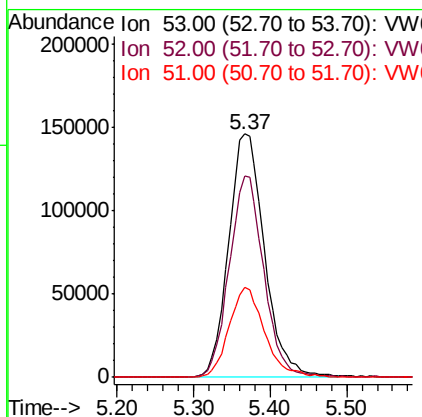
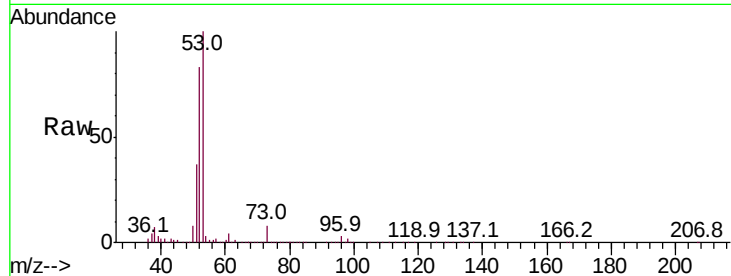
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	473574
Ion	Ratio	Lower	Upper
53	100		
52	79.9	63.9	95.9
51	36.9	29.5	44.3

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#16

Acetone

Concen: 249.418 ug/l

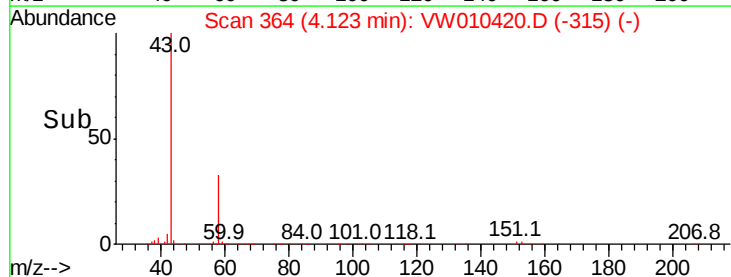
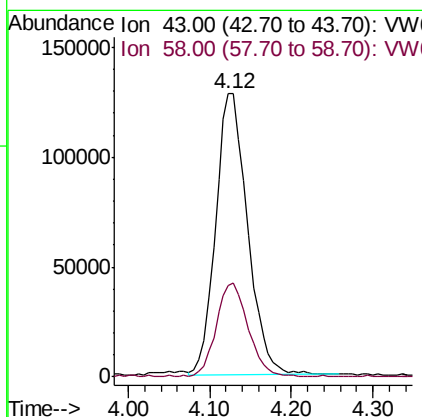
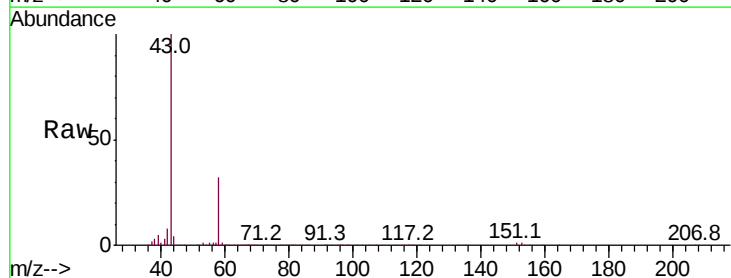
RT: 4.12 min Scan# 364

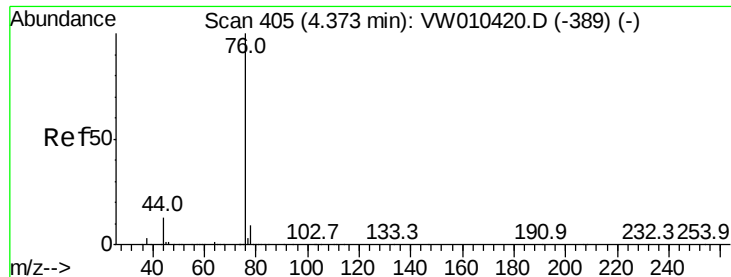
Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion:	43	Resp:	347818
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.0	39.0





#17

Carbon Disulfide

Concen: 50.189 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 1002549

Ion Ratio Lower Upper

76 100

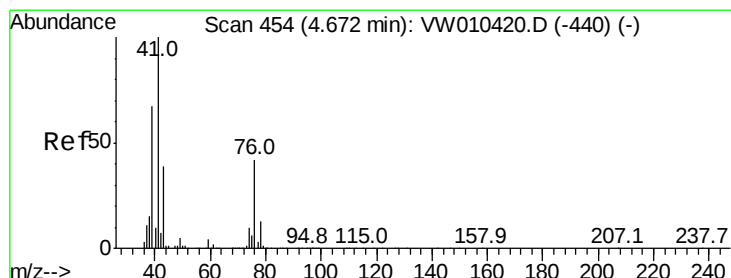
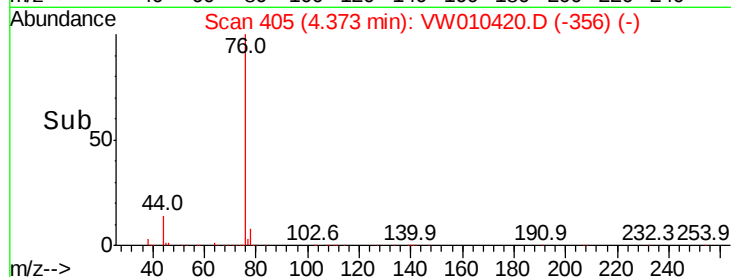
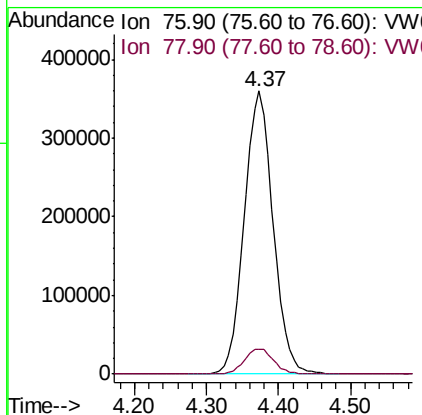
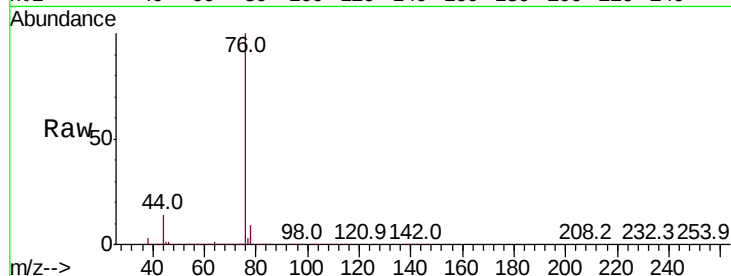
78 8.9 7.1 10.7

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#18

Methyl Acetate

Concen: 45.690 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010420.D

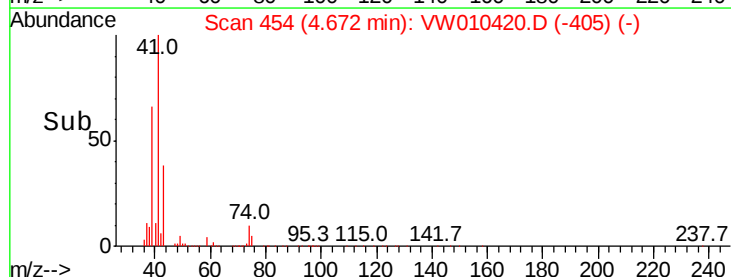
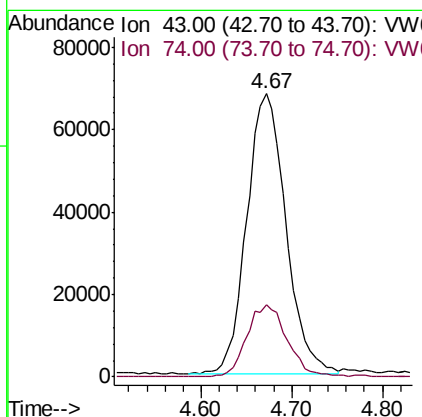
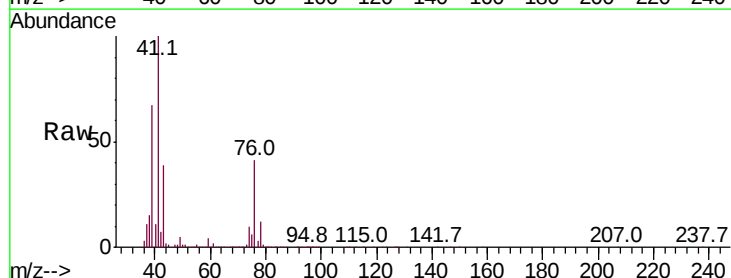
Acq: 17 May 2019 18:24

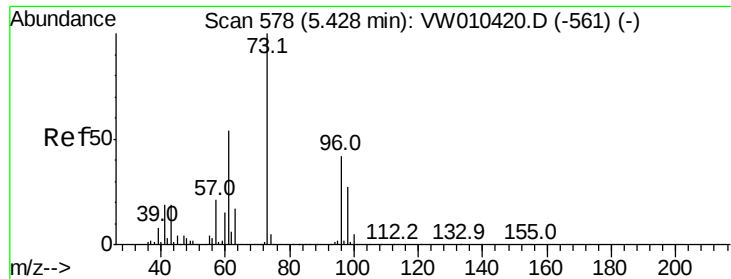
Tgt Ion: 43 Resp: 203502

Ion Ratio Lower Upper

43 100

74 26.5 21.2 31.8





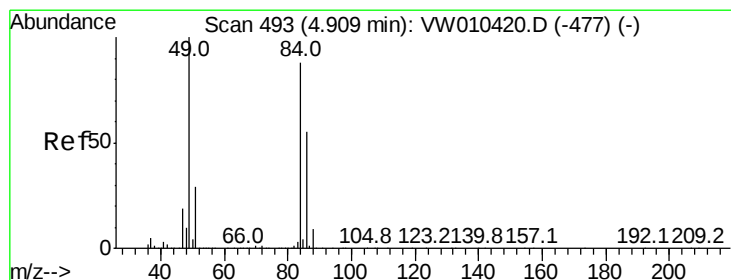
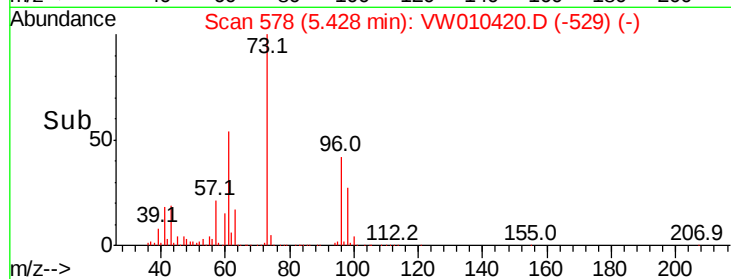
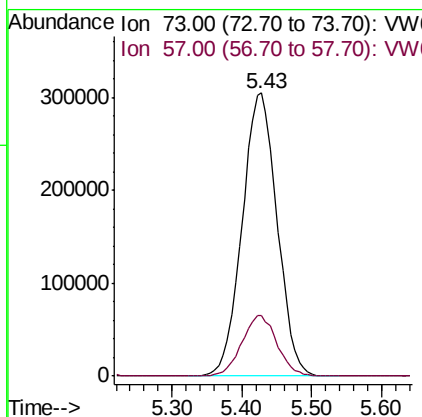
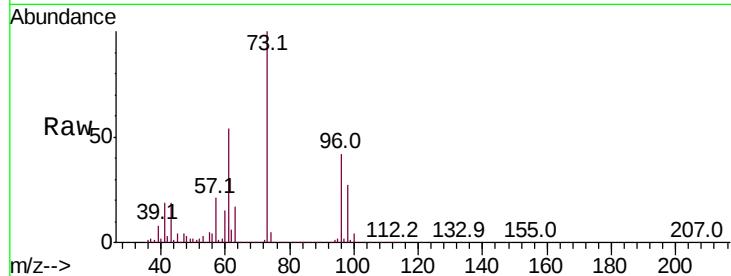
#19
Methvl tert-butvl Ether
Concen: 88.081 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1058105
Ion Ratio Lower Upper
73 100
57 21.2 17.0 25.4

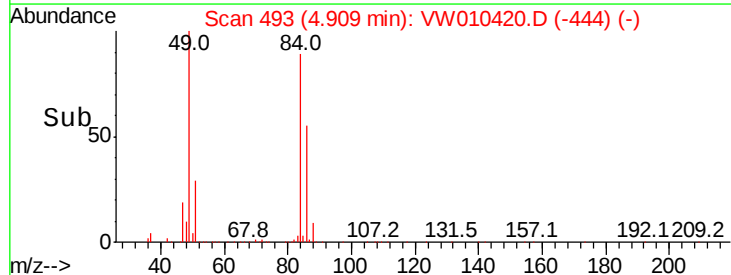
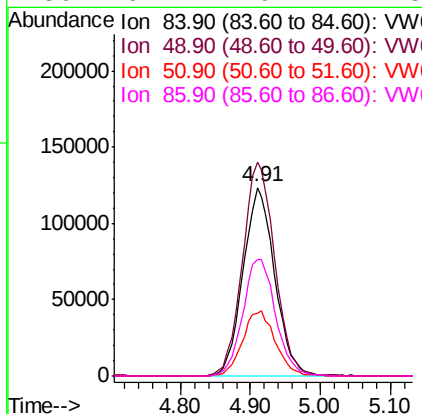
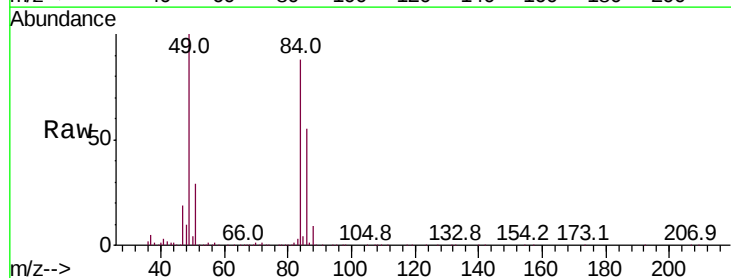
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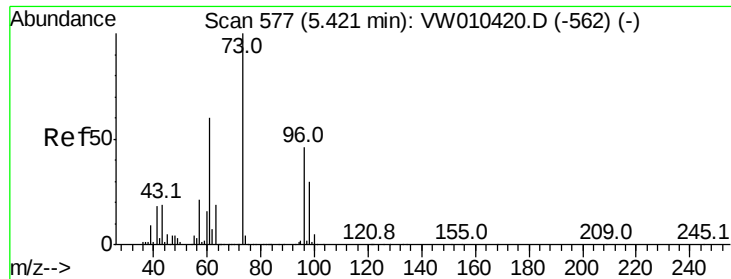
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#20
Methylene Chloride
Concen: 47.481 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 84 Resp: 386988
Ion Ratio Lower Upper
84 100
49 113.2 90.6 135.8
51 33.3 26.6 40.0
86 62.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 51.031 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 417644

Ion Ratio Lower Upper

96 100

61 129.9 103.9 155.9

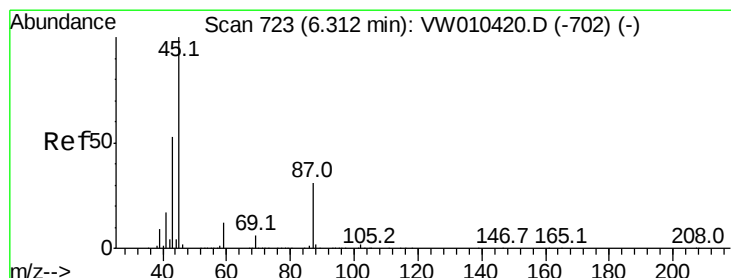
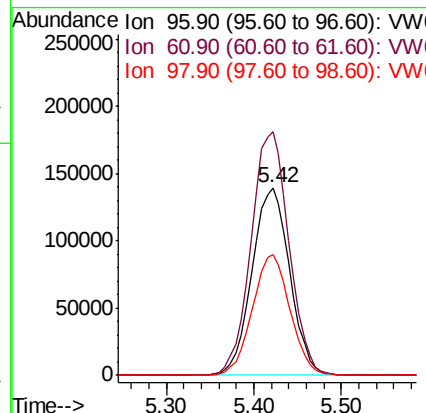
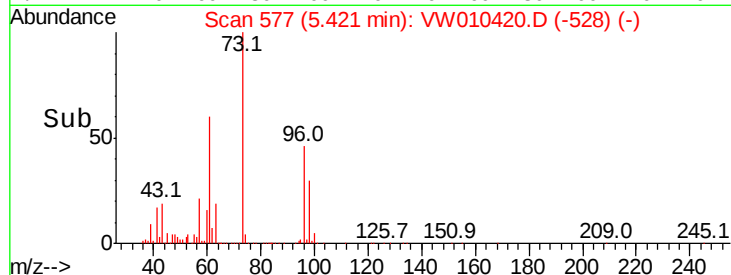
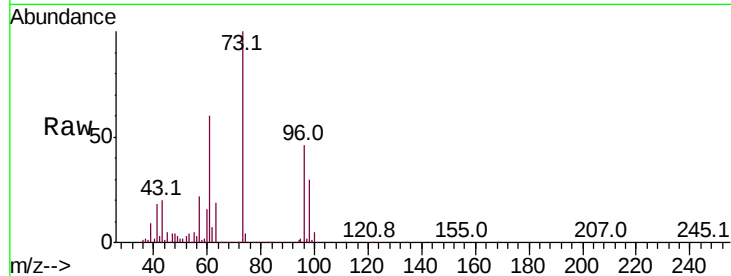
98 64.4 51.5 77.3

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#22

Diisopropyl ether

Concen: 53.482 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion: 45 Resp: 1214160

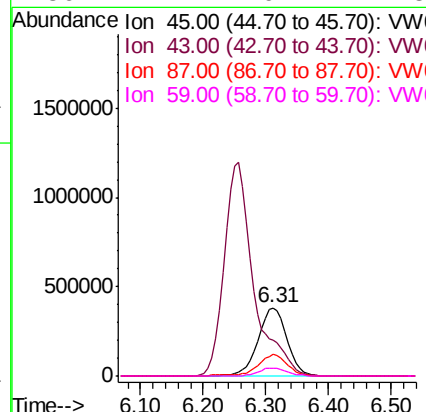
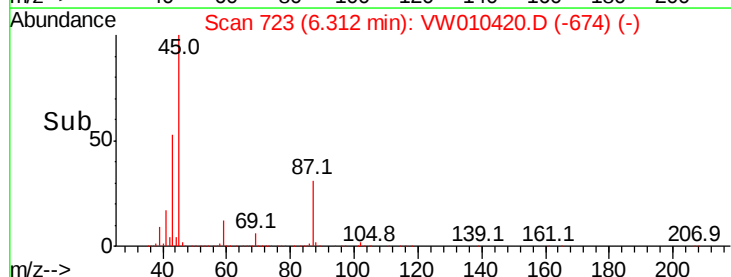
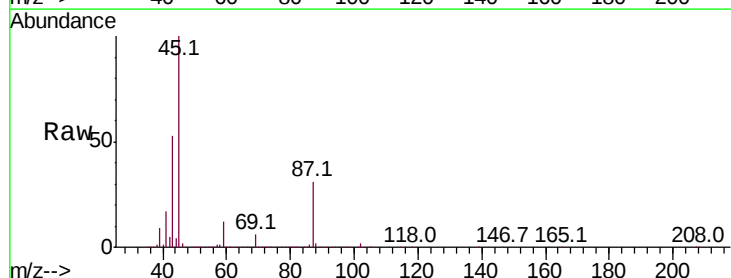
Ion Ratio Lower Upper

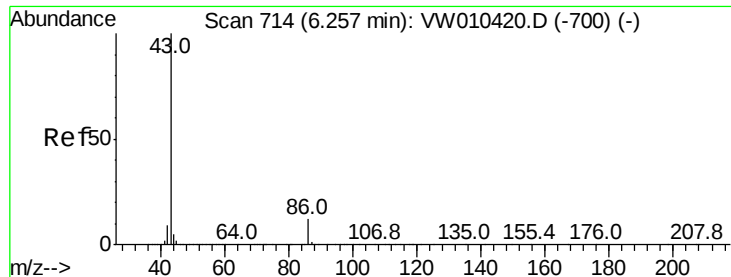
45 100

43 52.5 42.0 63.0

87 31.3 25.0 37.6

59 12.1 9.7 14.5





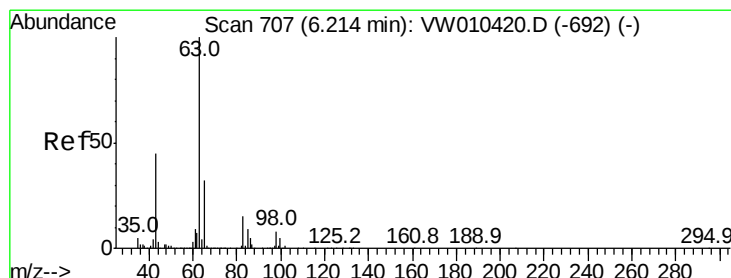
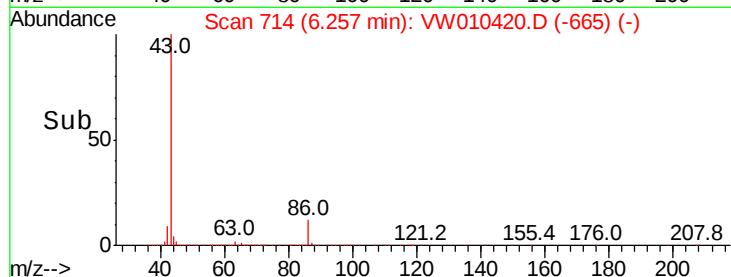
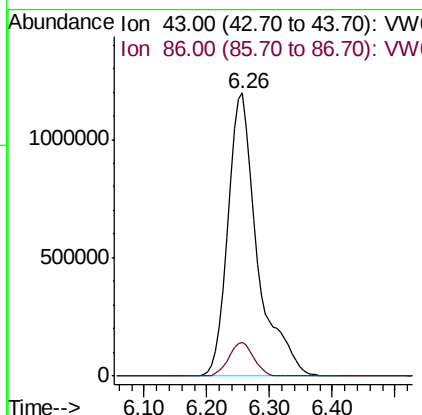
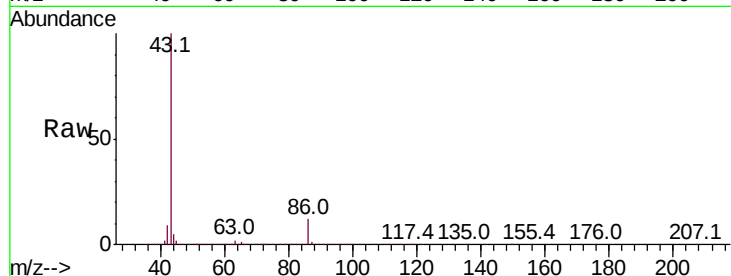
#23
 Vinyl Acetate
 Concen: 250.796 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3875895
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.7 14.5

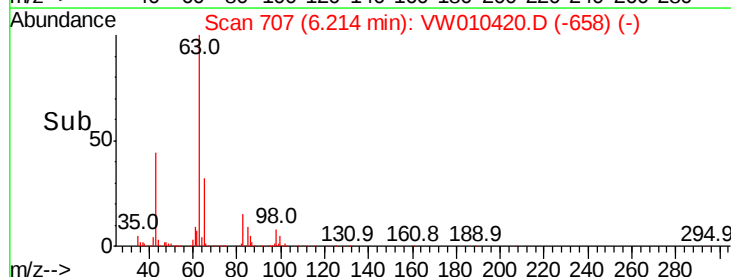
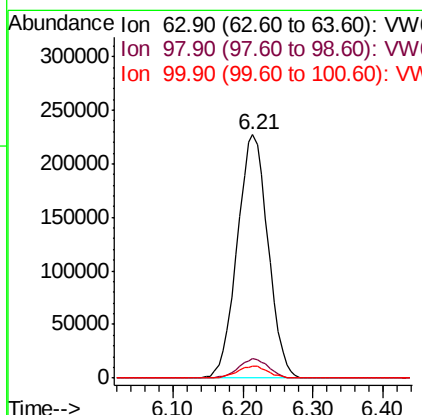
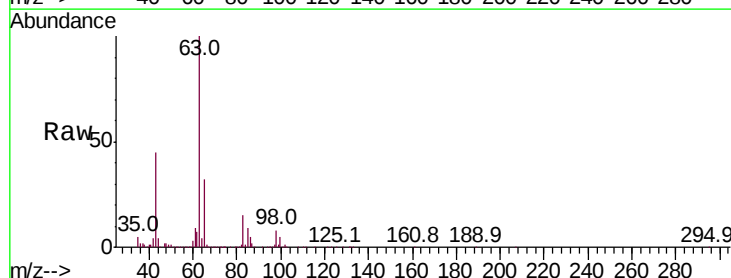
Manual Integrations
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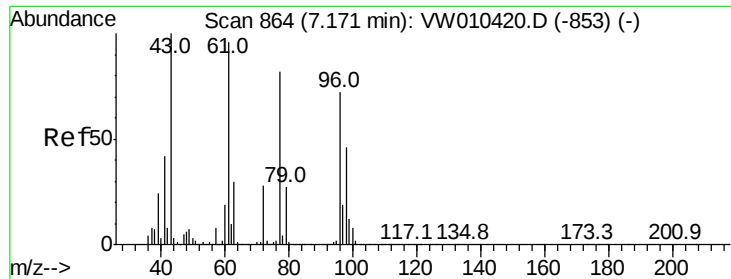
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.146 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 63 Resp: 694237
 Ion Ratio Lower Upper
 63 100
 98 8.0 4.0 12.0
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 238.536 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 623176

Ion Ratio Lower Upper

43 100

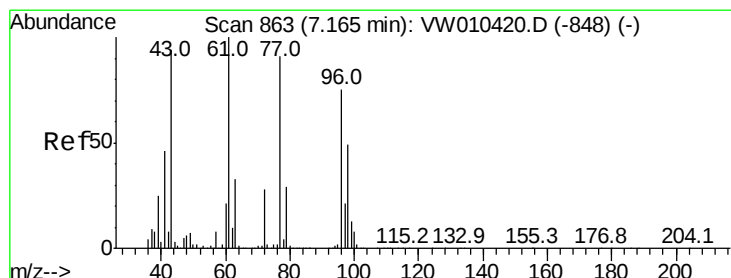
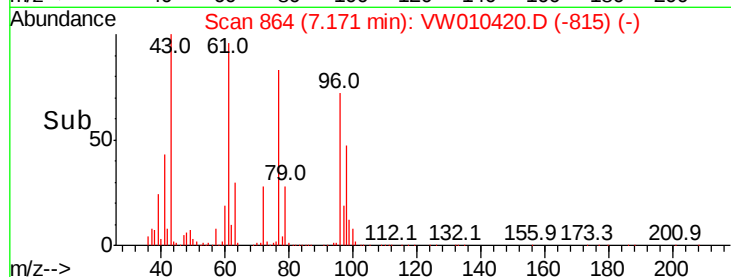
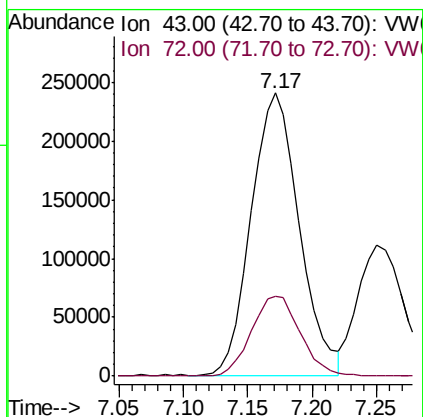
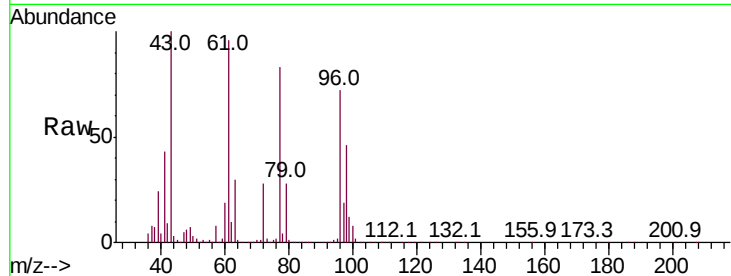
72 28.2 22.6 33.8

Manual Integrations

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5/20/2019 12:16:05 PM



#26

2,2-Dichloropropane

Concen: 77.913 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010420.D

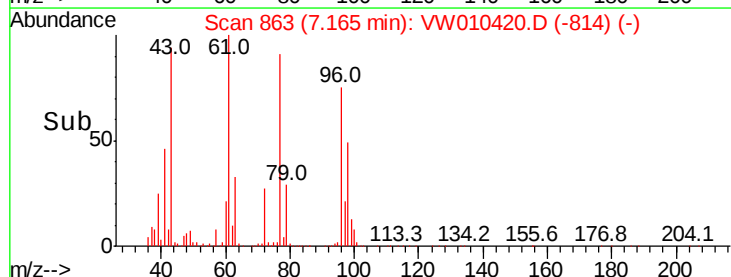
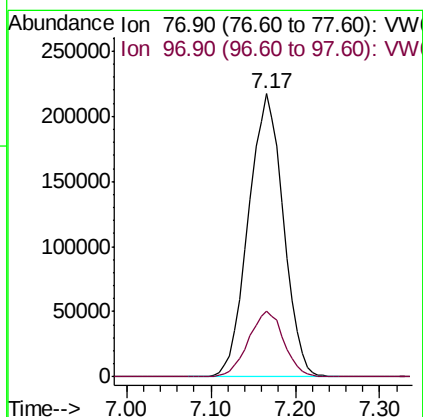
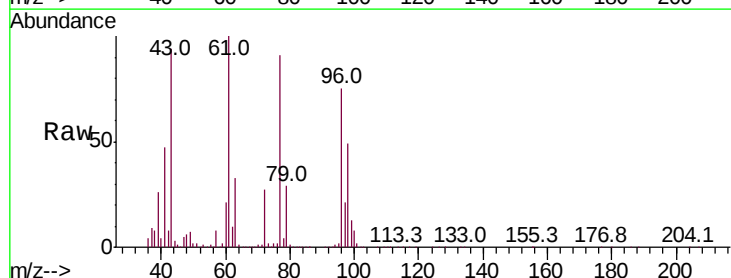
Acq: 17 May 2019 18:24

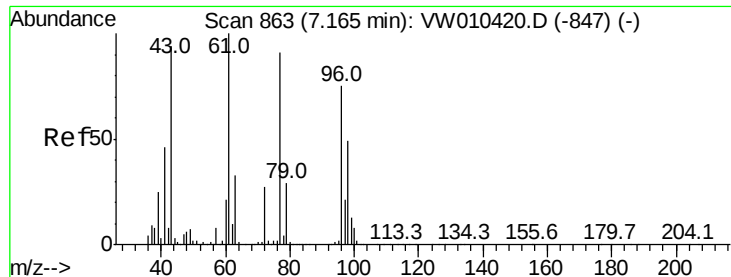
Tgt Ion: 77 Resp: 613963

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





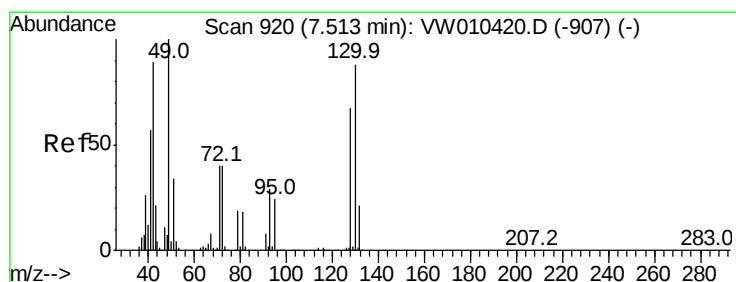
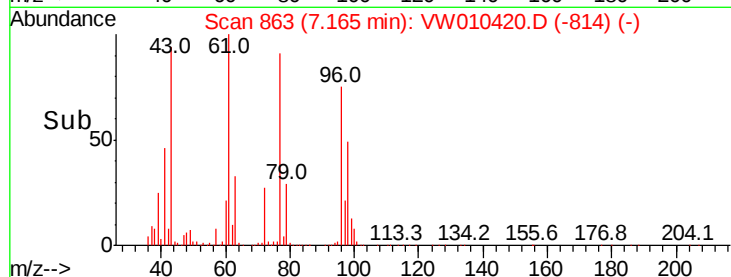
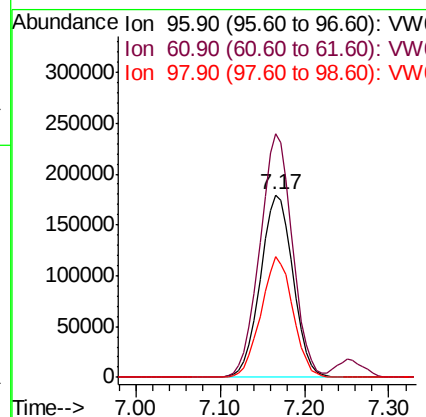
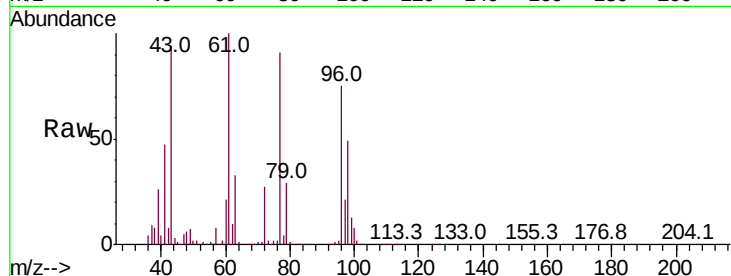
#27
 cis-1,2-Dichloroethene
 Concen: 50.269 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	266.4
98	64.8	0.0	129.6

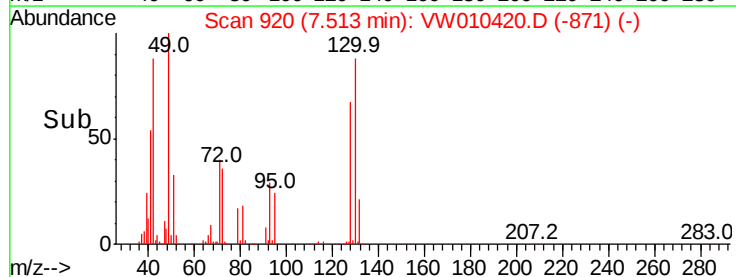
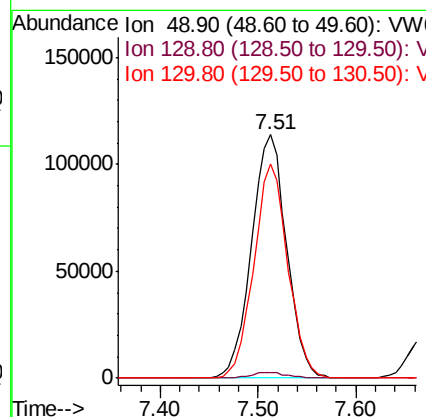
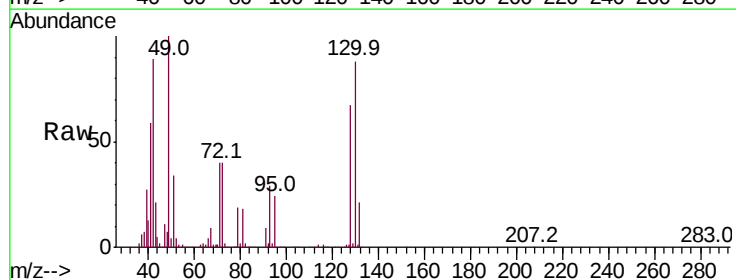
Manual Integrations
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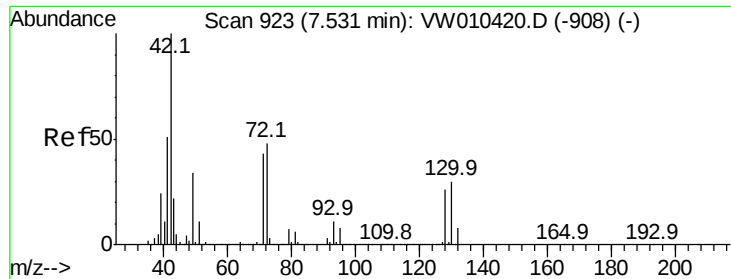
MMDadoda
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#28
 Bromochloromethane
 Concen: 49.283 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	85.3	68.2	102.4





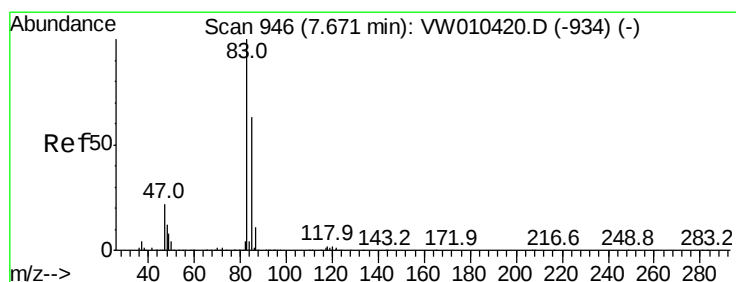
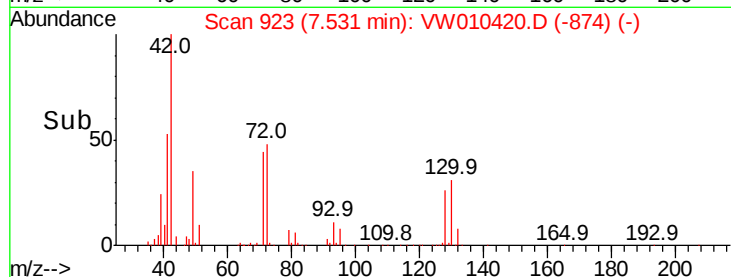
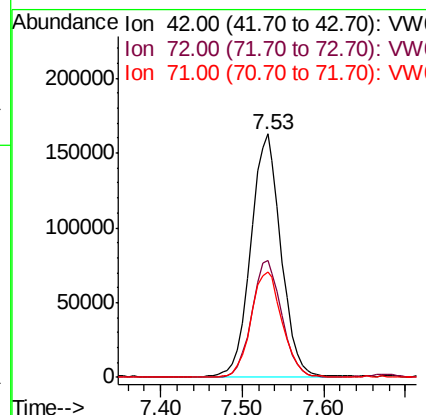
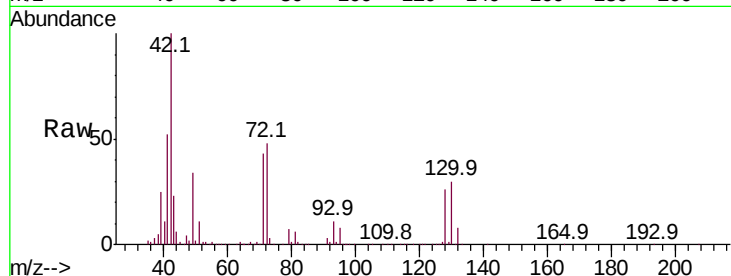
#29
Tetrahydrofuran
Concen: 238.559 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.2	57.2
71	45.0	36.0	54.0

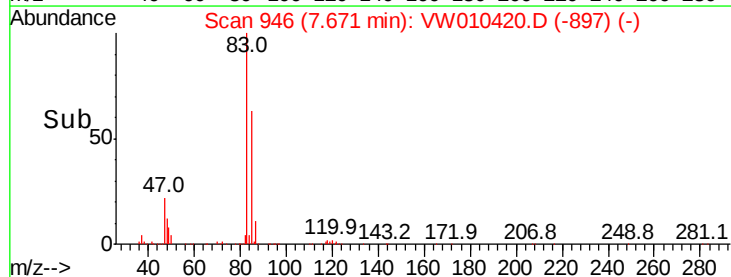
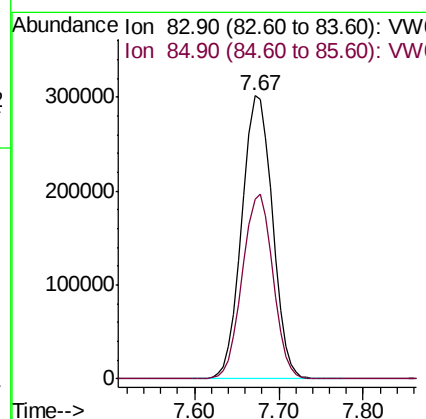
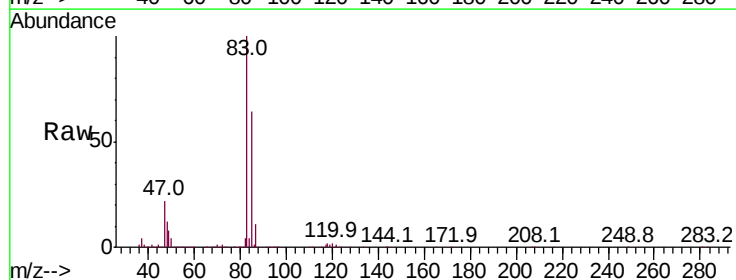
Manual Integrations
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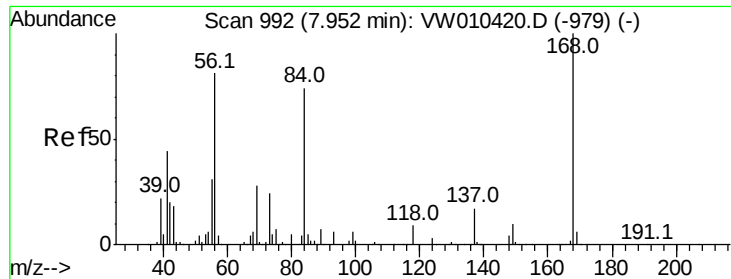
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#30
Chloroform
Concen: 51.029 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2





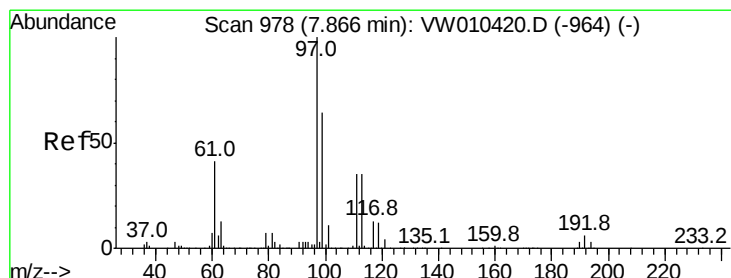
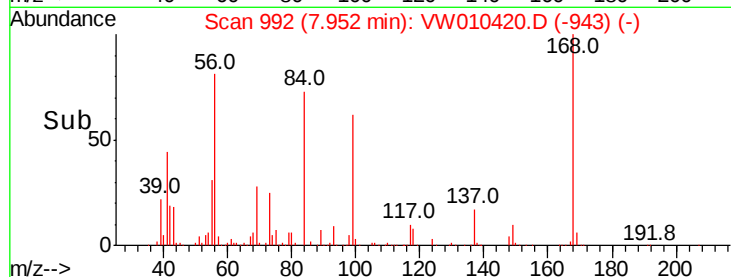
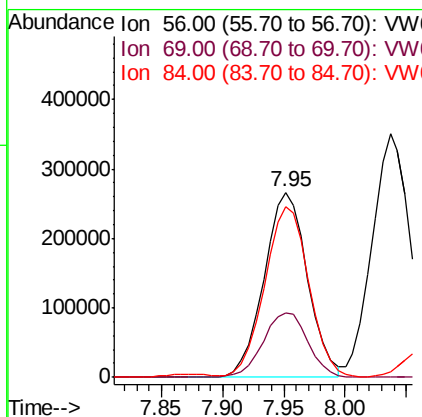
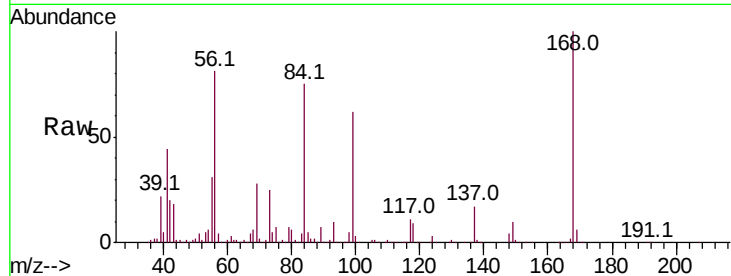
#31
Cyclohexane
Concen: 48.635 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.6	41.4
84	91.1	72.9	109.3

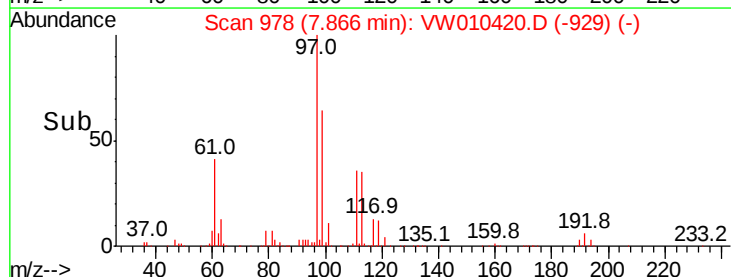
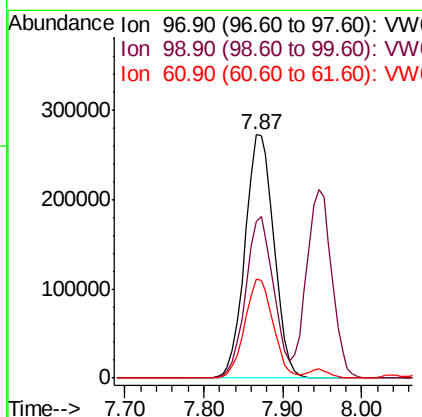
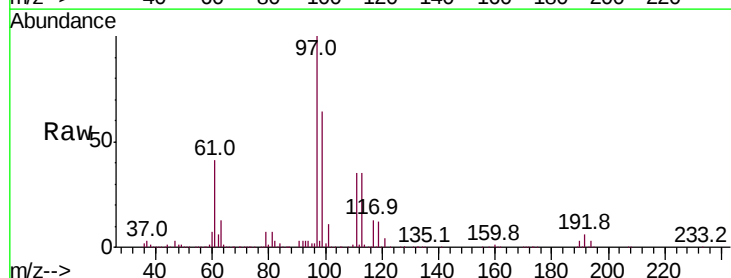
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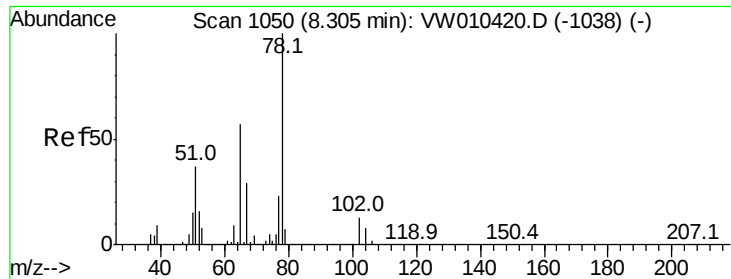
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#32
1,1,1-Trichloroethane
Concen: 59.130 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	40.0	32.0	48.0





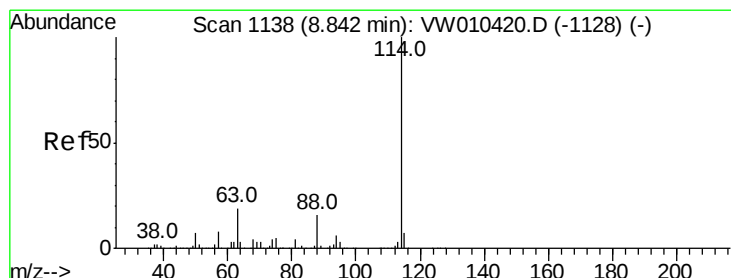
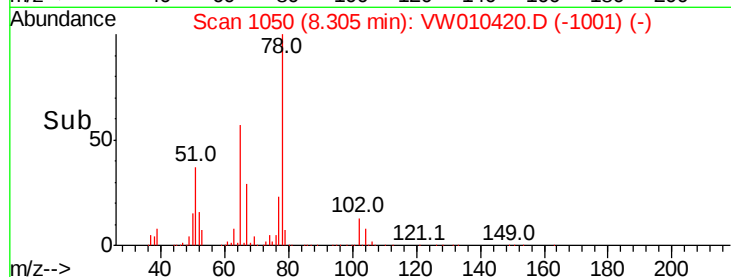
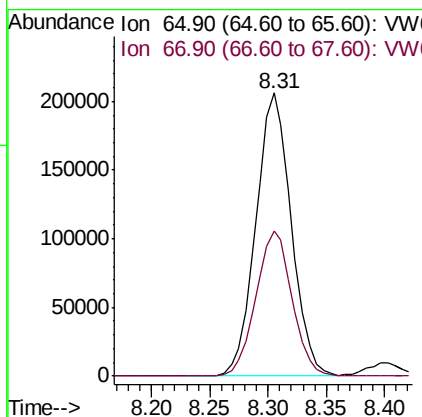
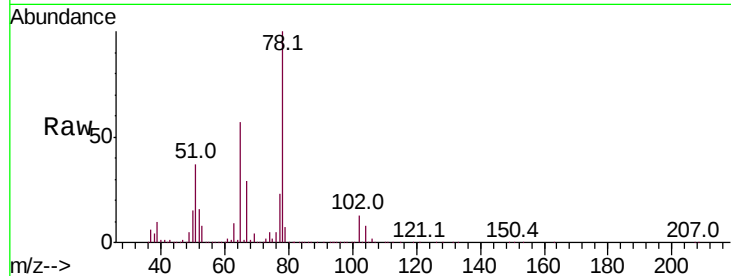
#33
 1,2-Dichloroethane-d4
 Concen: 56.113 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.2

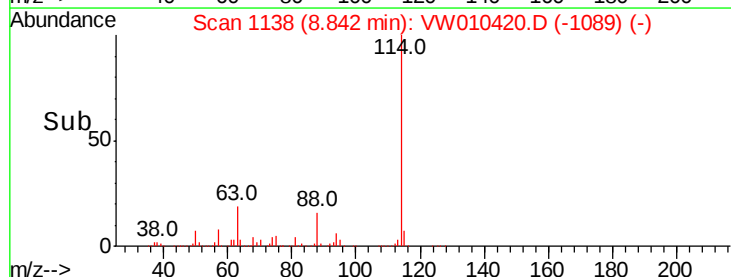
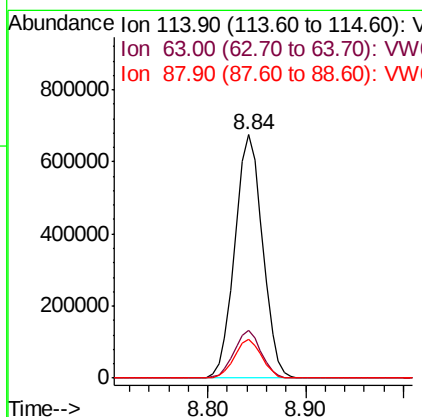
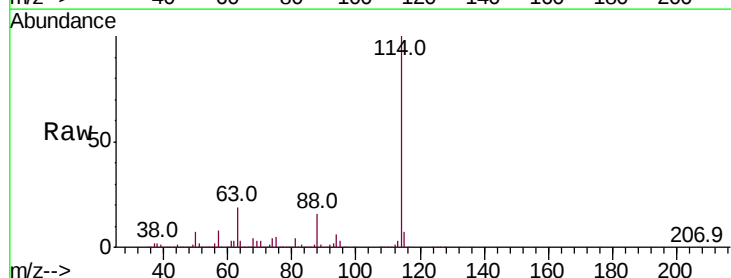
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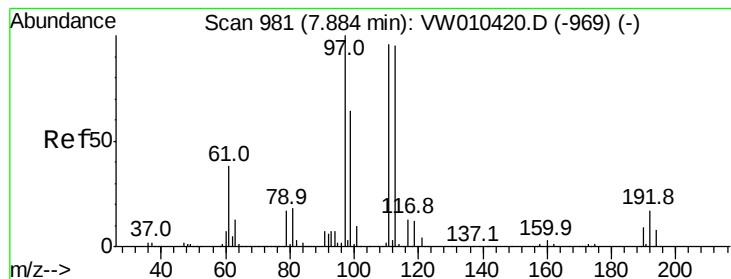
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.8
88	15.8	0.0	31.6





#35

Dibromofluoromethane

Concen: 54.408 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

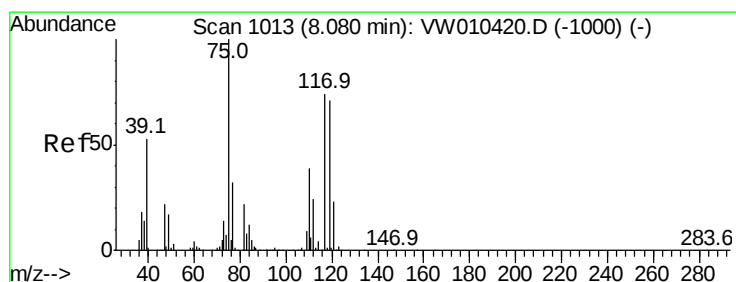
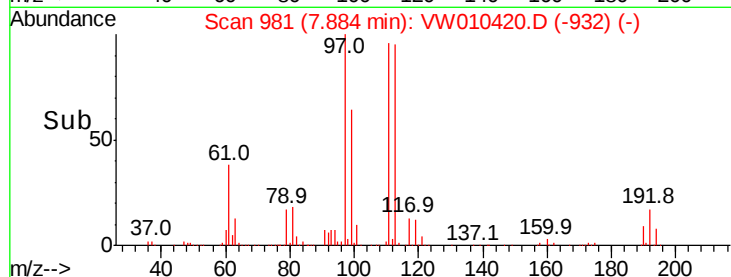
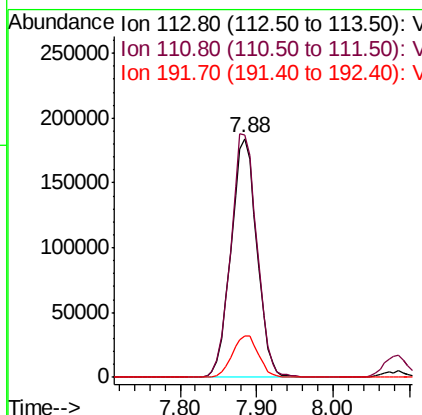
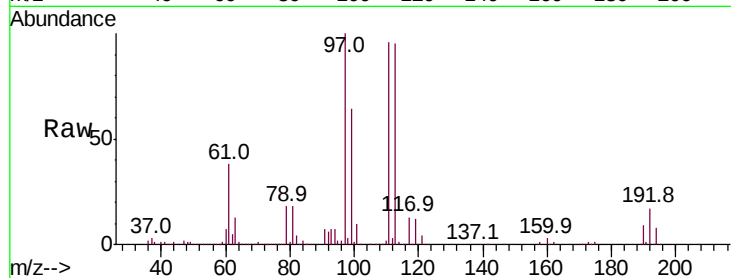
ClientSampled :

VSTDICCC050

Tot Ion:	113	Resp:	430518
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.5	123.7
192	17.8	14.2	21.4

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#36

1,1-Dichloropropene

Concen: 49.367 ug/l

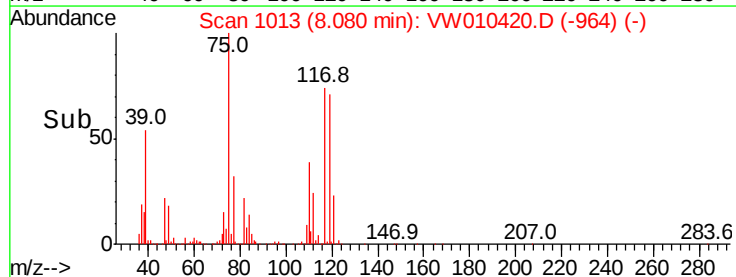
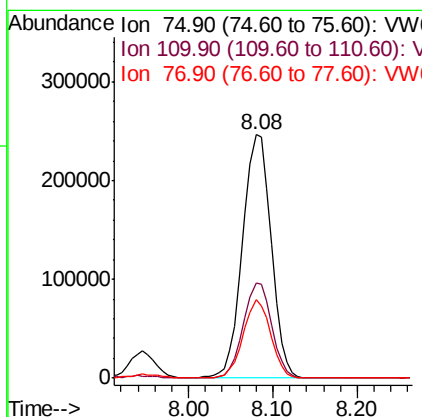
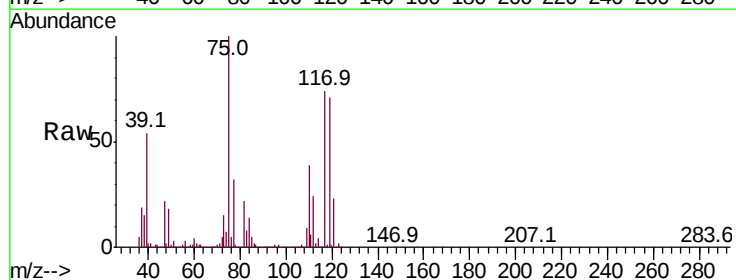
RT: 8.08 min Scan# 1013

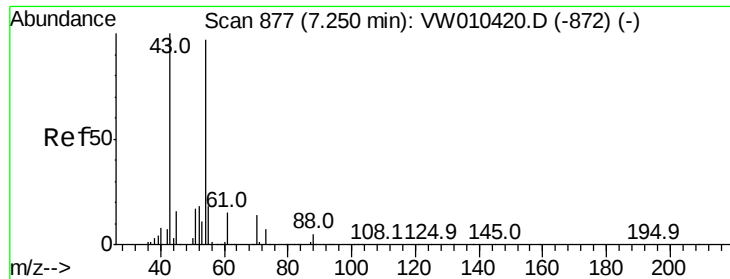
Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion:	75	Resp:	564255
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.4	58.1
77	30.9	24.7	37.1





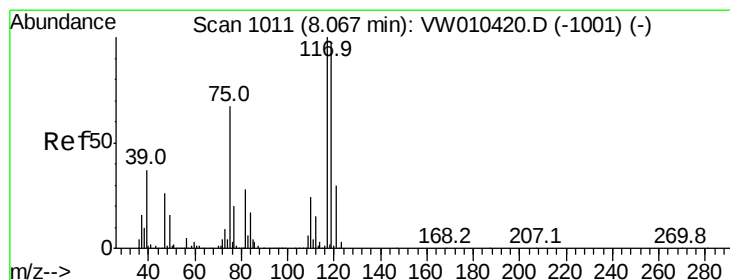
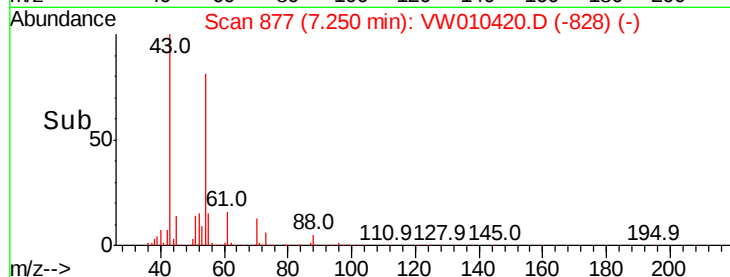
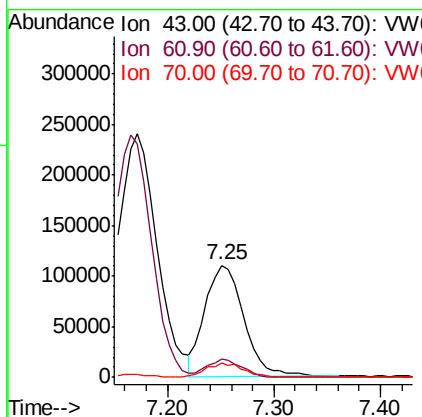
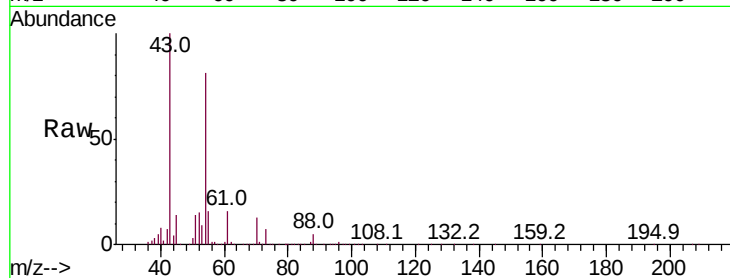
#37
Ethyl Acetate
Concen: 48.734 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.7	9.4	14.0

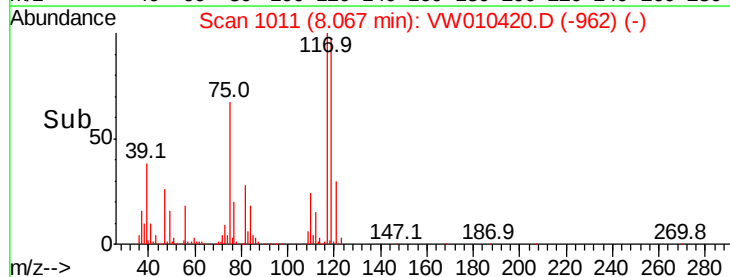
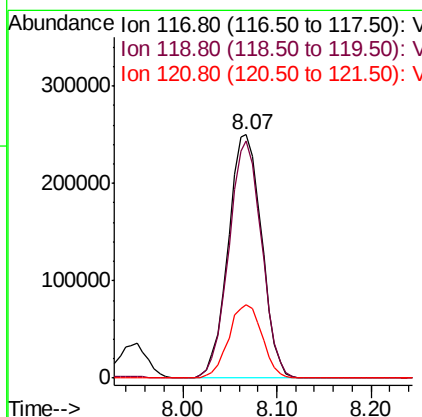
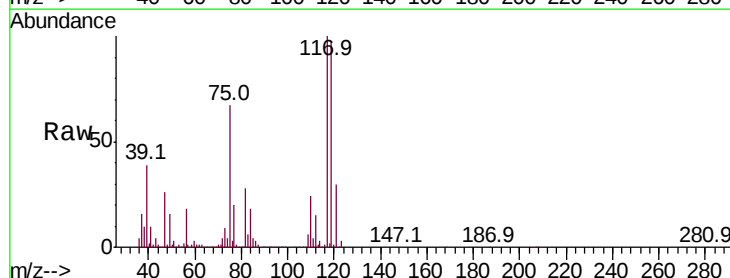
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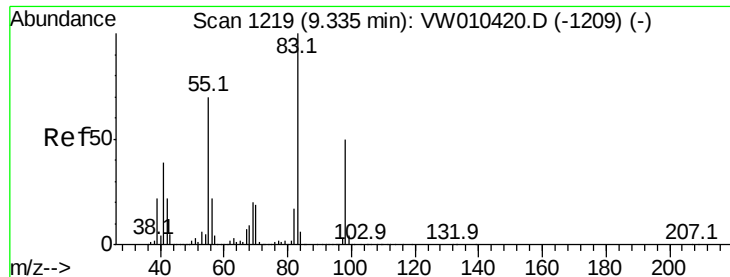
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#38
Carbon Tetrachloride
Concen: 52.582 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	30.2	24.2	36.2





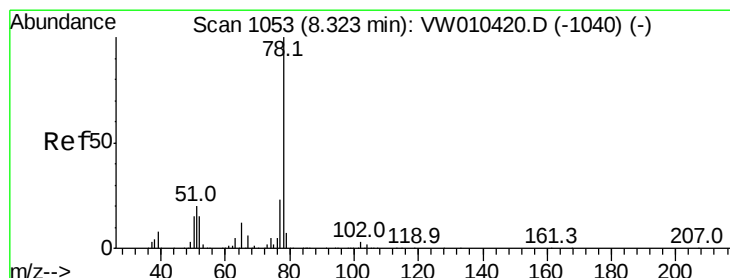
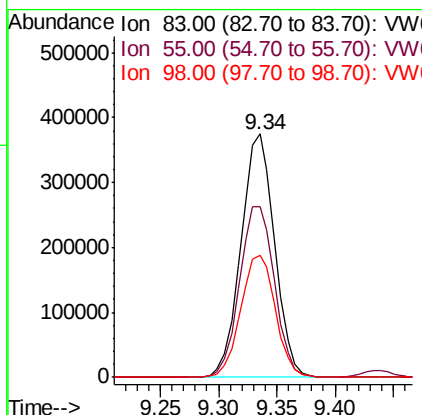
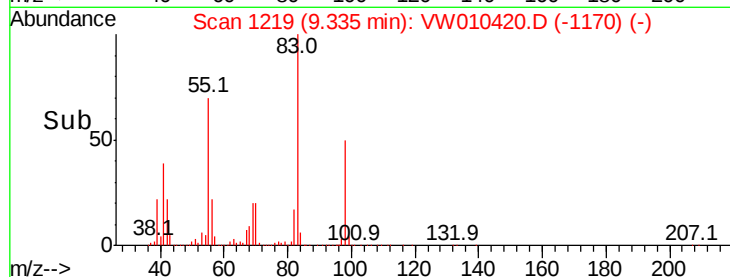
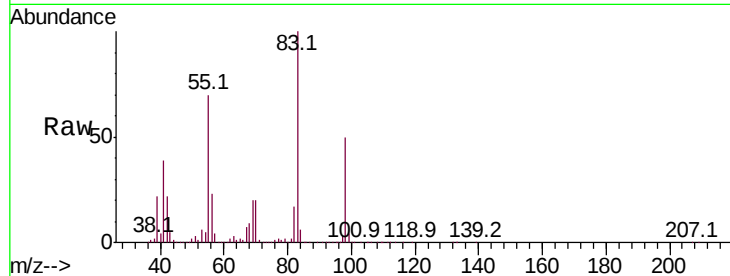
#39
Methvlcvclohexane
Concen: 49.779 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	55.7	83.5
98	50.3	40.2	60.4

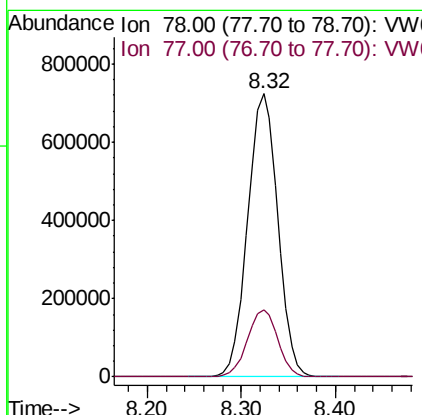
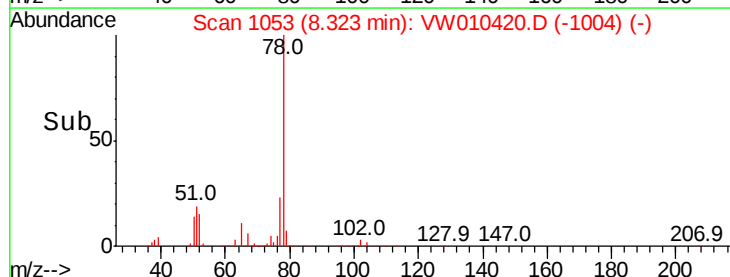
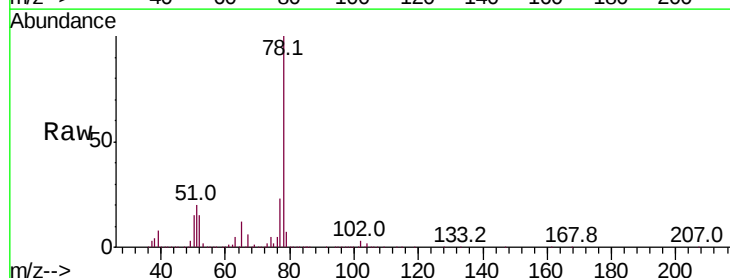
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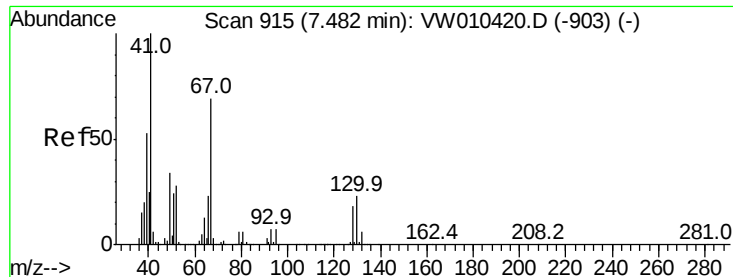
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#40
Benzene
Concen: 48.674 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





#41

Methacrylonitrile

Concen: 53.069 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 184792
Ion Ratio Lower Upper

41 100

39 47.6 38.1 57.1

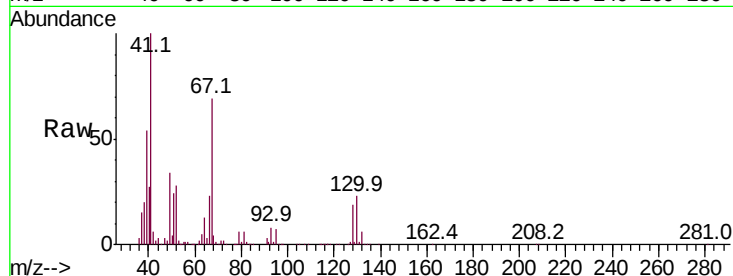
67 69.4 55.5 83.3

52 27.6 22.1 33.1

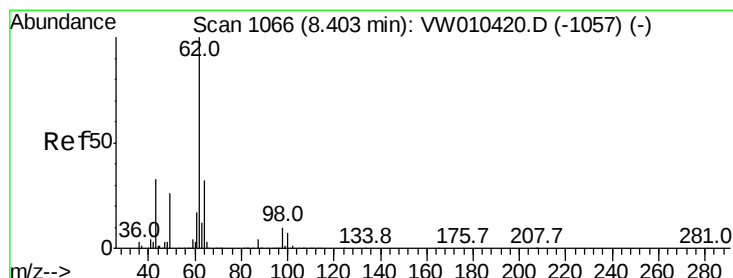
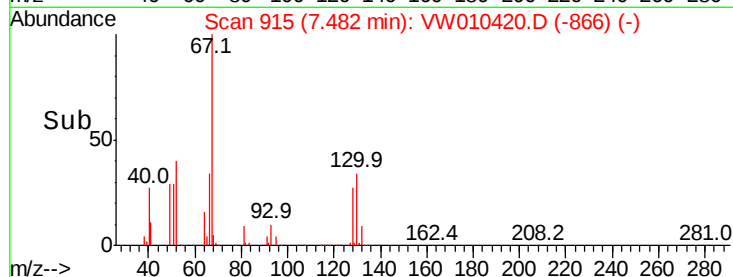
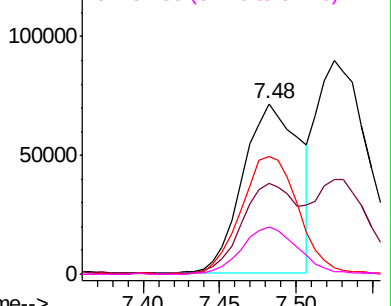
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 50.338 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

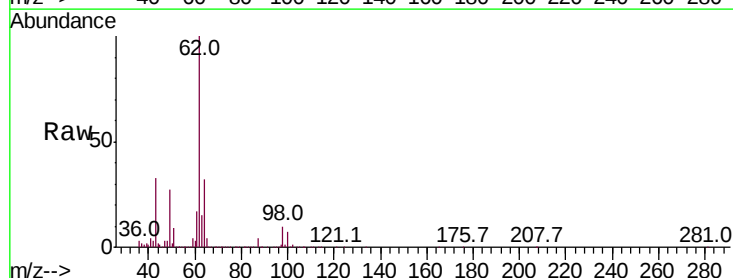
Lab File: VW010420.D

Acq: 17 May 2019 18:24

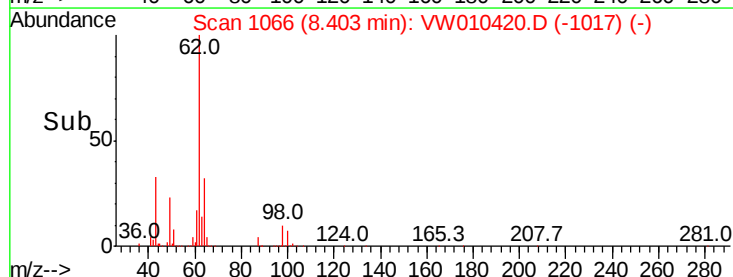
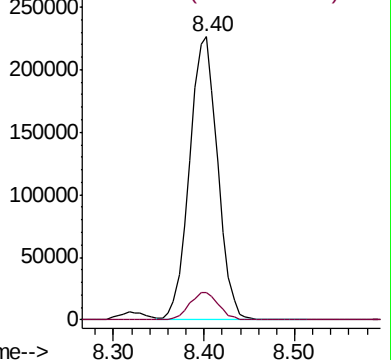
Tgt Ion: 62 Resp: 488025
Ion Ratio Lower Upper

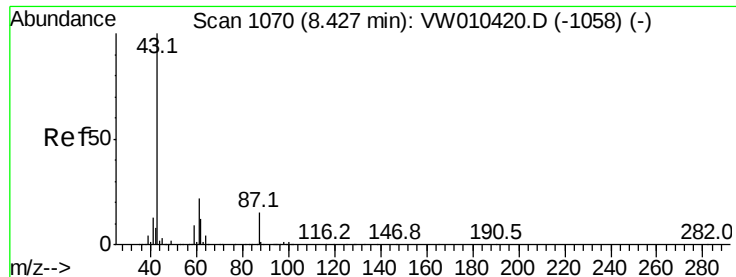
62 100

98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

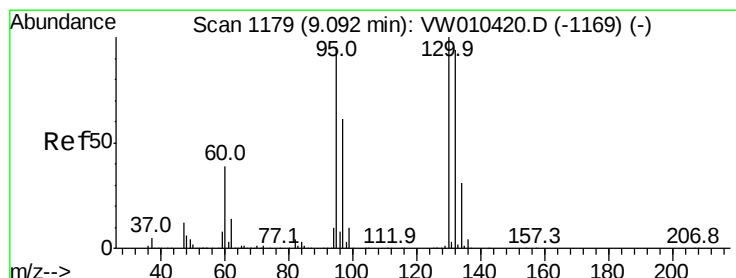
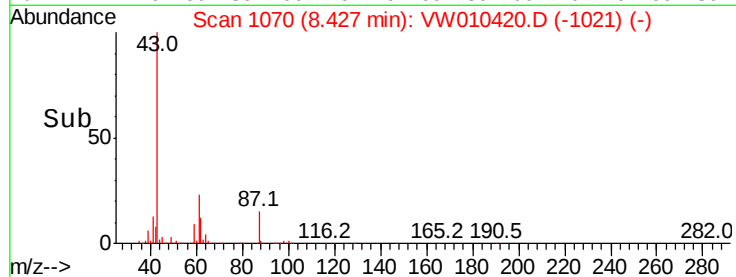
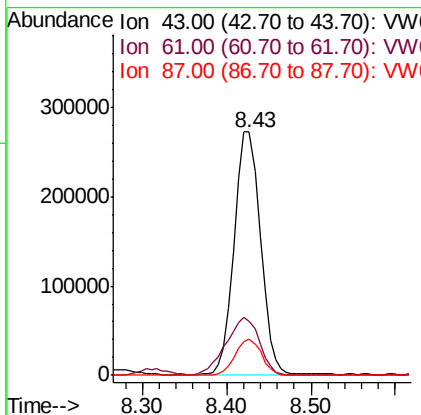
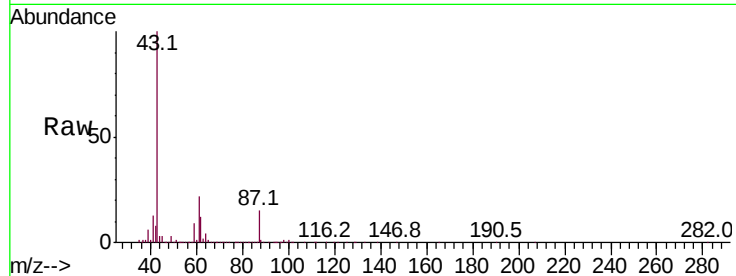
Isopropyl Acetate
 Concen: 48.640 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.4	36.6
87	14.8	11.8	17.8

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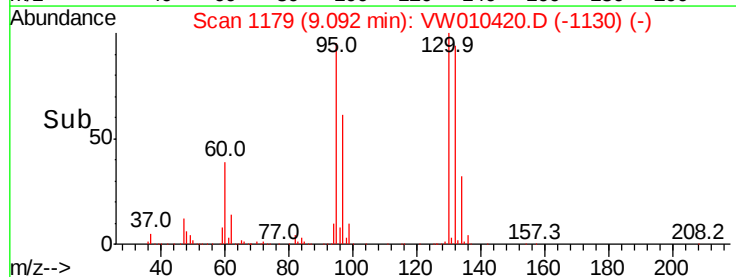
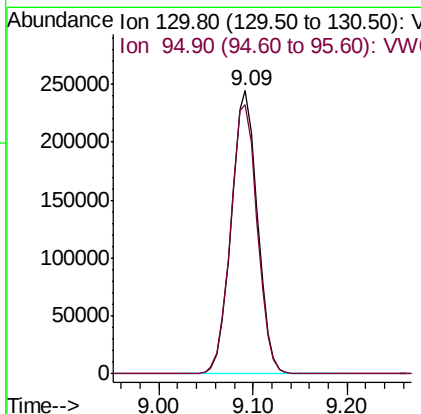
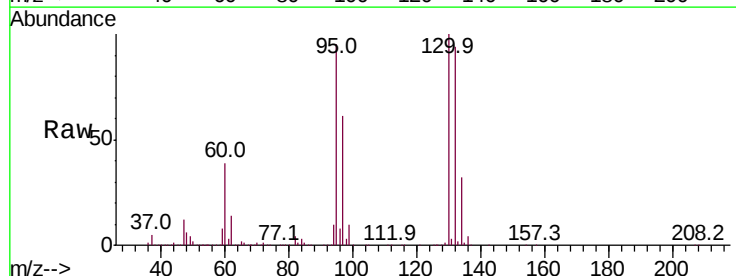
MMDadoda
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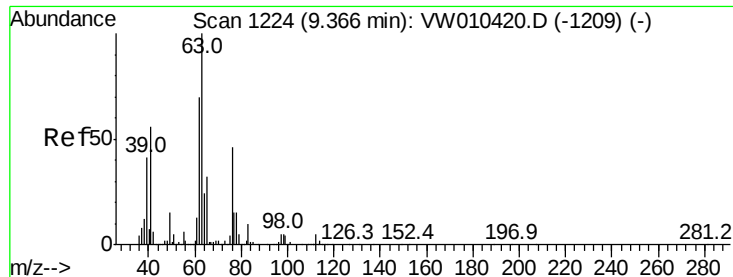


#44

Trichloroethene
 Concen: 49.512 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.4





#45

1,2-Dichloropropane

Concen: 48.966 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 403906

Ion Ratio Lower Upper

63 100

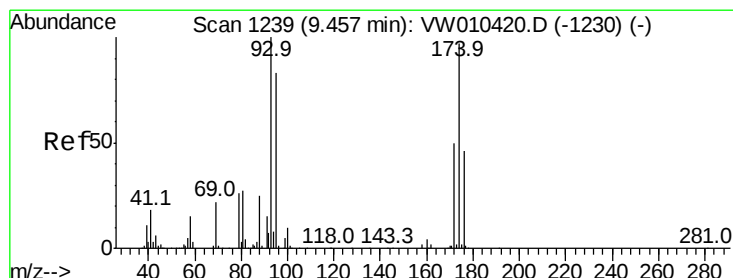
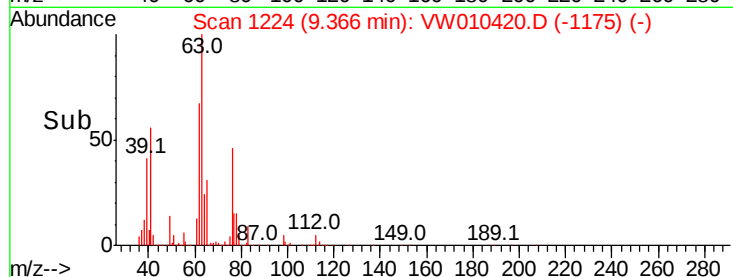
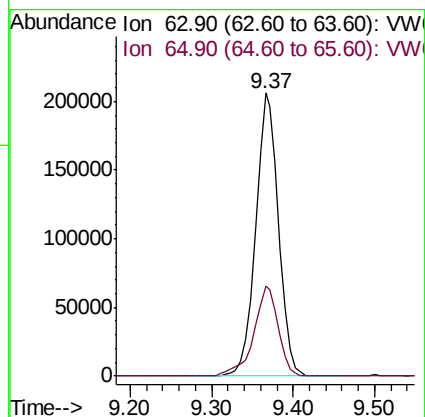
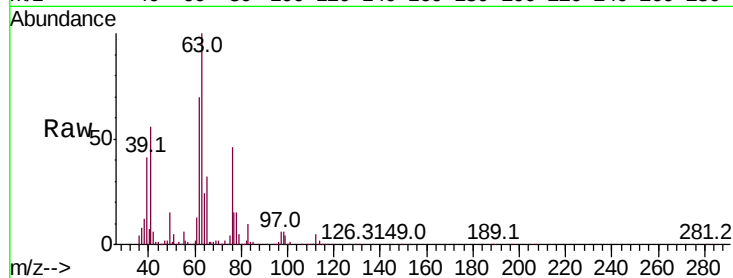
65 31.8 25.4 38.2

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#46

Dibromomethane

Concen: 50.230 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

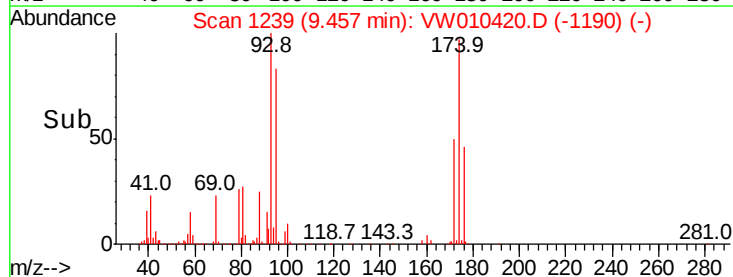
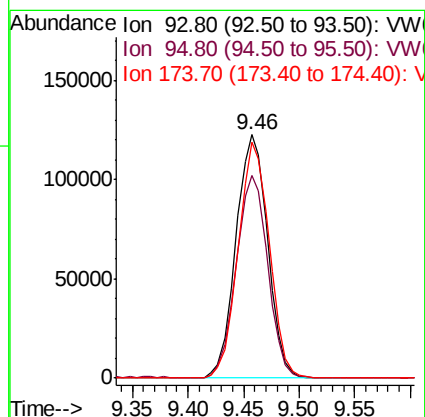
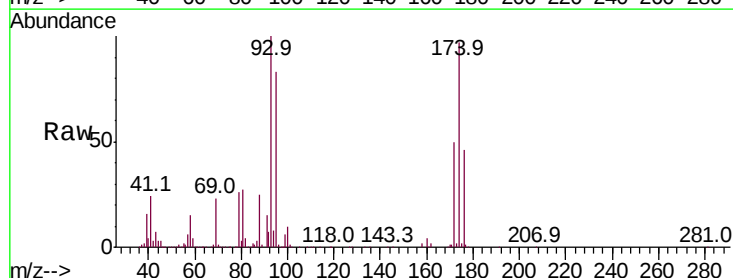
Tgt Ion: 93 Resp: 241257

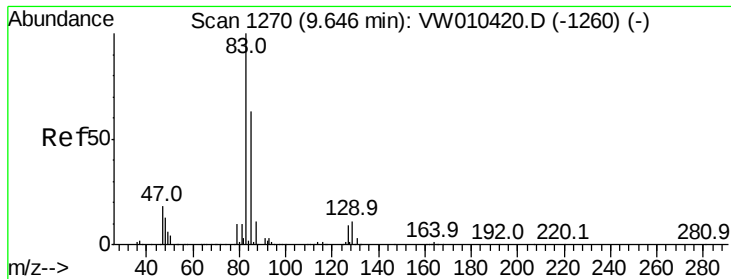
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 95.5 76.4 114.6





#47

Bromodichloromethane

Concen: 50.468 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

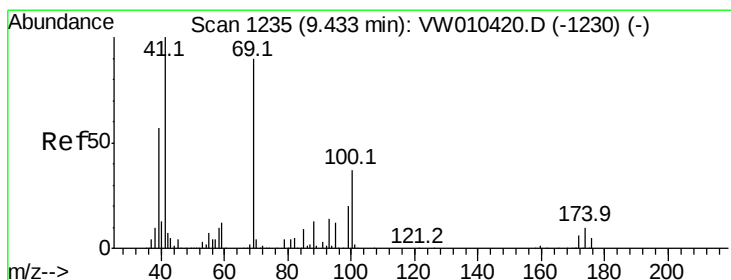
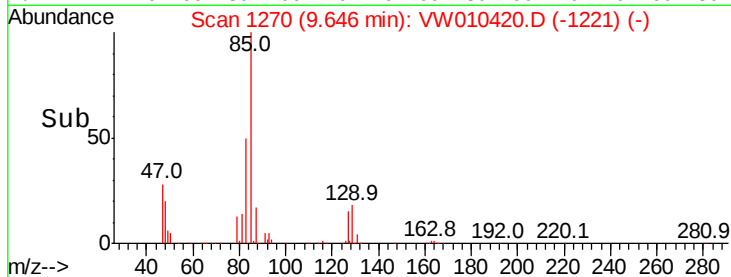
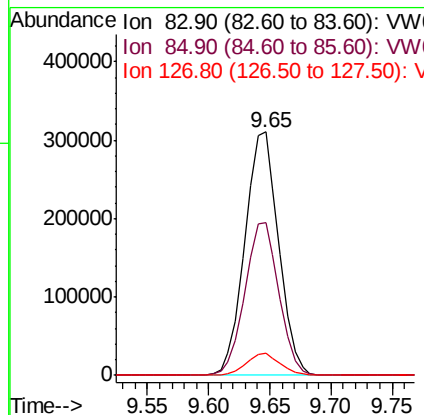
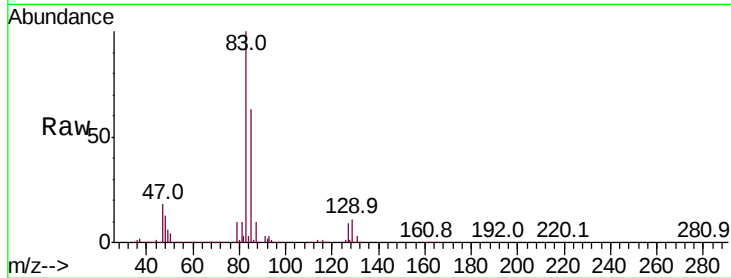
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	594437
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.0	75.0
127	9.1	7.3	10.9

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#48

Methyl methacrylate

Concen: 47.813 ug/l

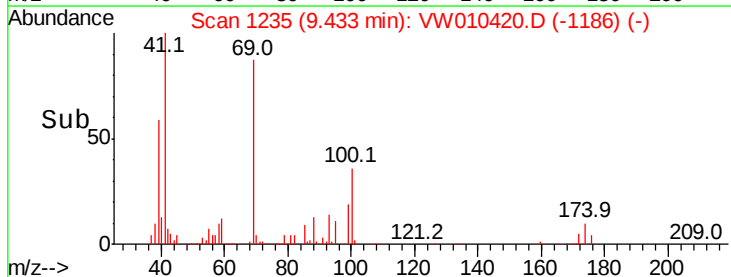
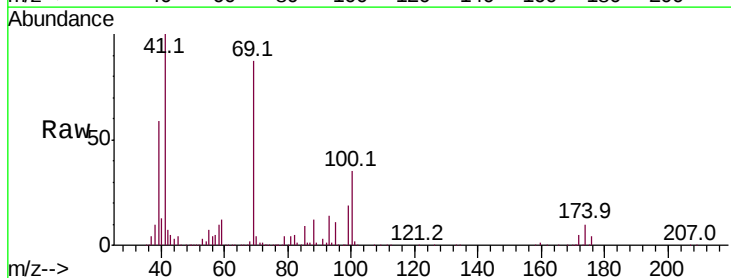
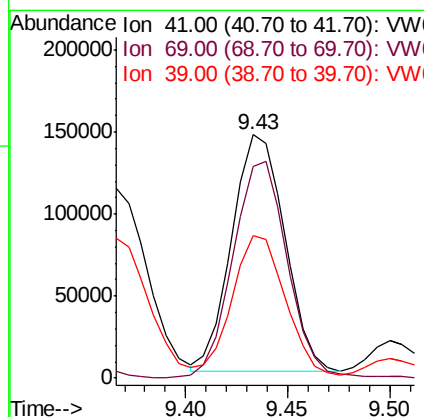
RT: 9.43 min Scan# 1235

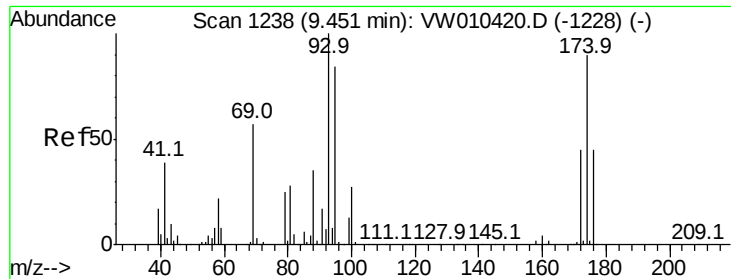
Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion:	41	Resp:	259479
Ion Ratio	Lower	Upper	
41	100		
69	94.0	75.2	112.8
39	58.5	46.8	70.2





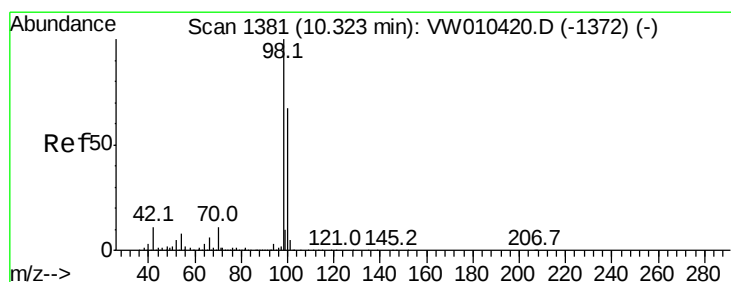
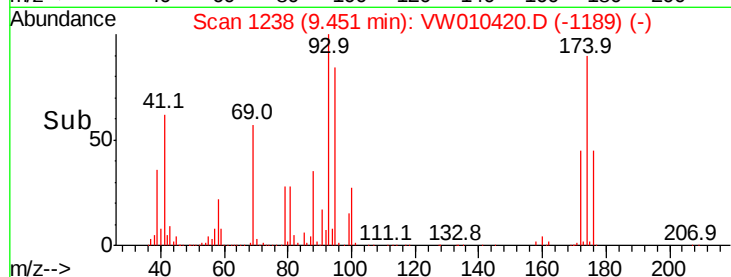
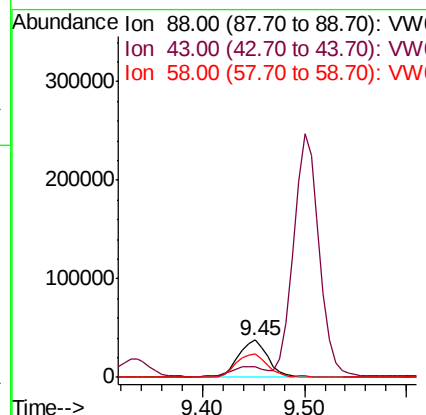
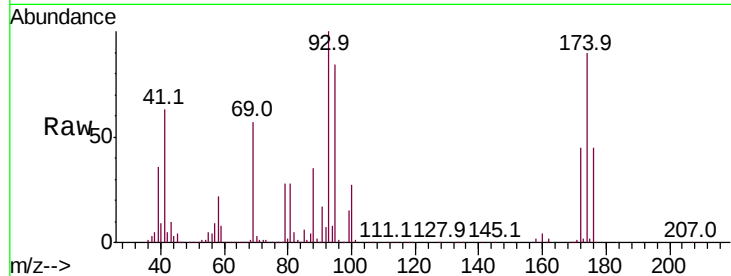
#49
1,4-Dioxane
Concen: 903.250 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.9	37.3
58	68.8	55.0	82.6

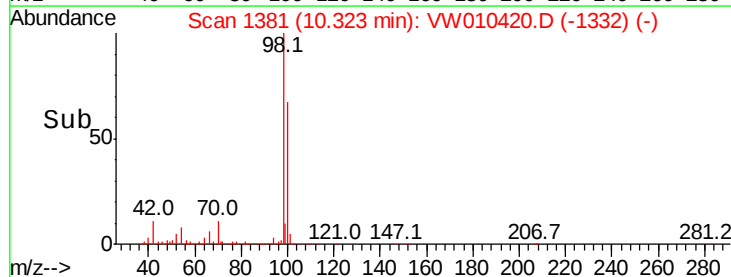
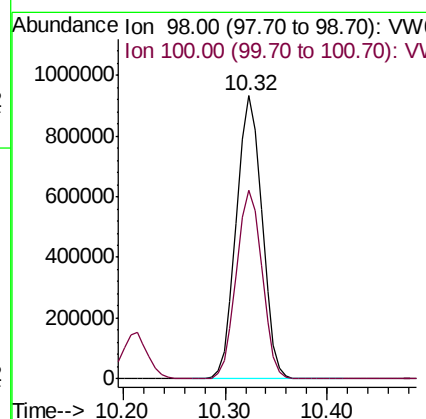
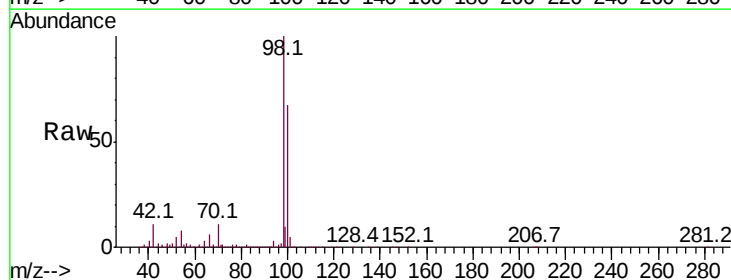
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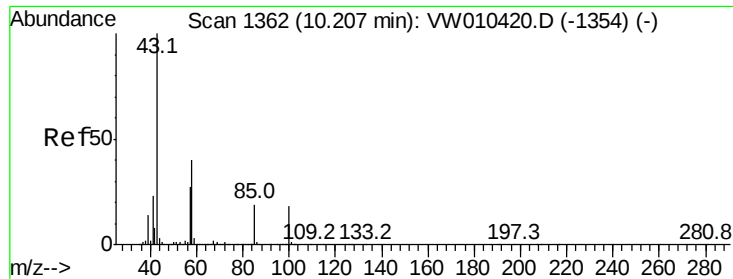
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#50
Toluene-d8
Concen: 54.212 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 236.840 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1447700

Ion Ratio Lower Upper

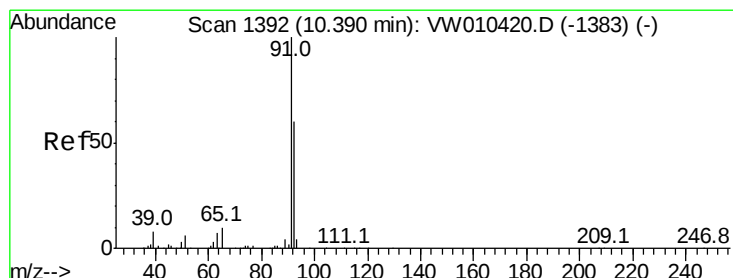
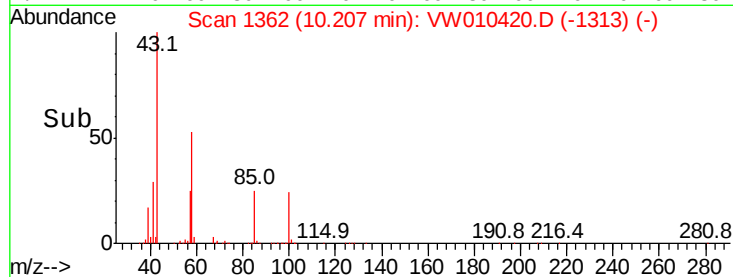
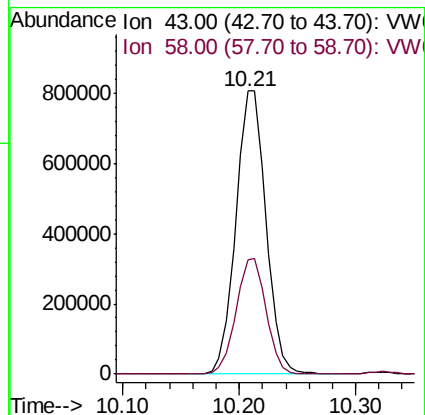
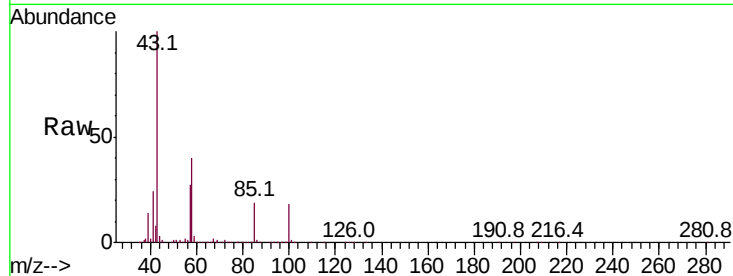
43 100

58 40.9 32.7 49.1

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#52

Toluene

Concen: 48.546 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010420.D

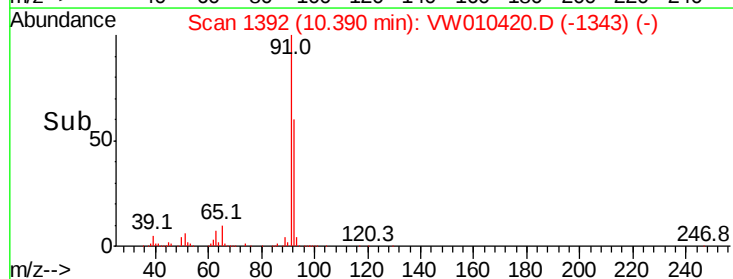
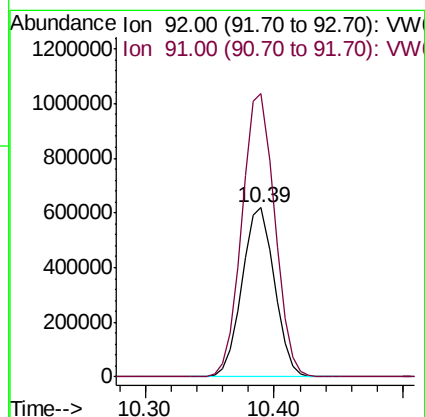
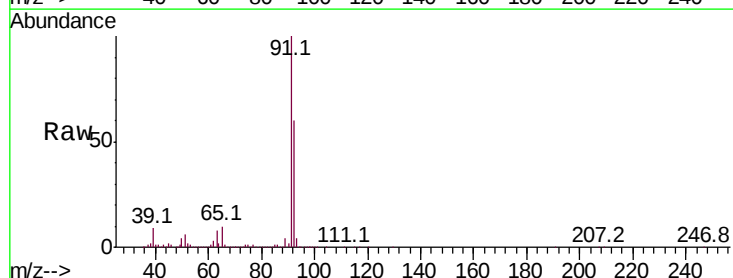
Acq: 17 May 2019 18:24

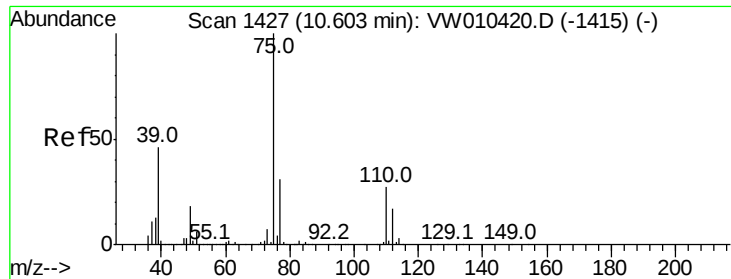
Tgt Ion: 92 Resp: 1075642

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0





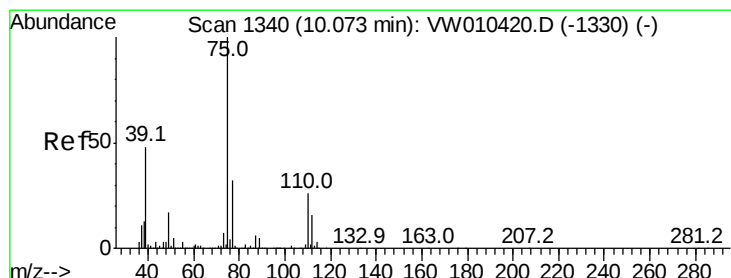
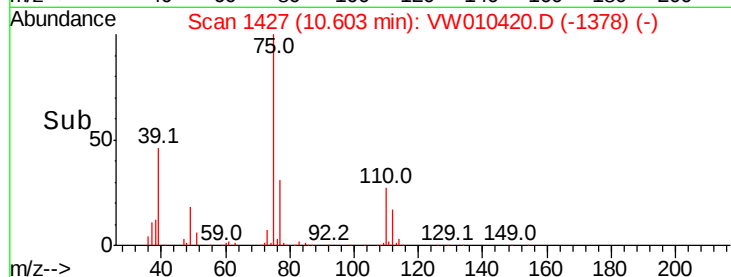
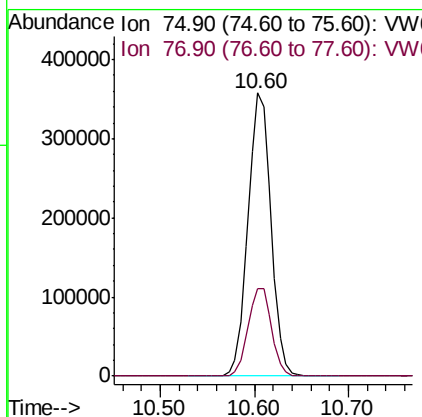
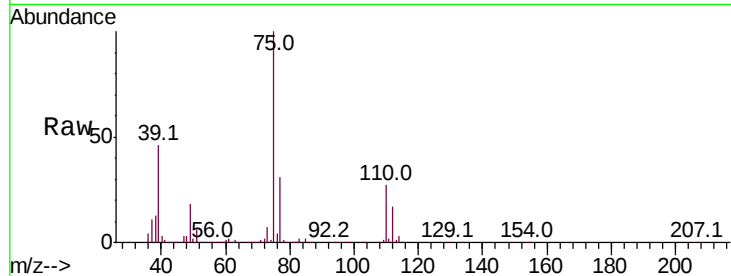
#53
 t-1,3-Dichloropropene
 Concen: 49.461 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 613663
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0

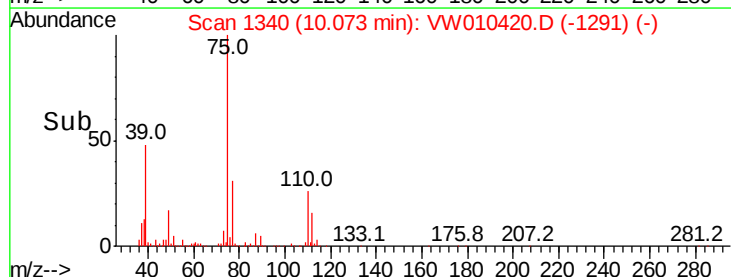
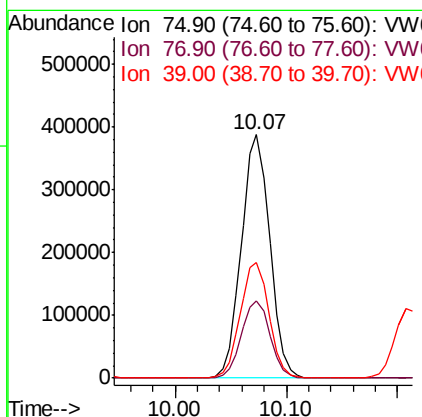
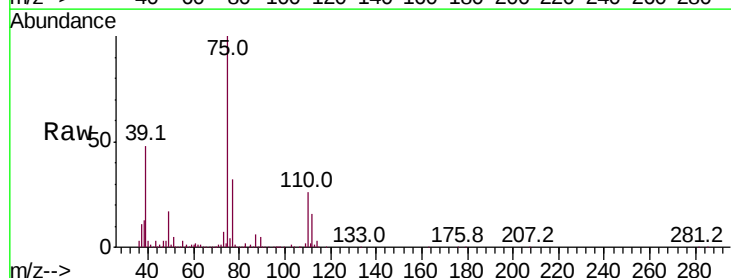
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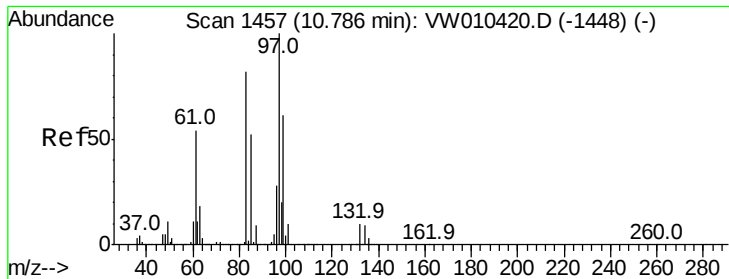
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#54
 cis-1,3-Dichloropropene
 Concen: 49.132 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 75 Resp: 689158
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 47.6 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 49.955 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

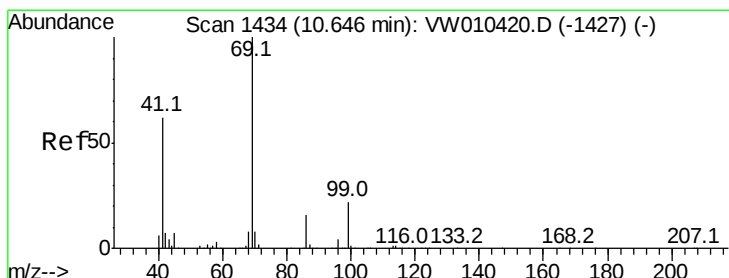
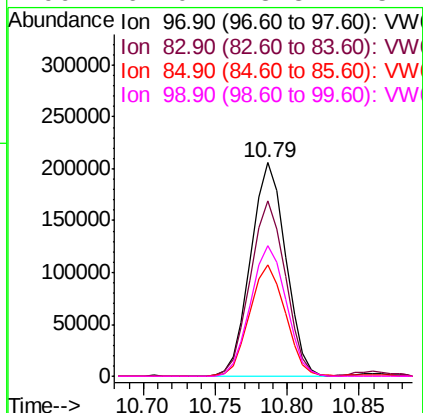
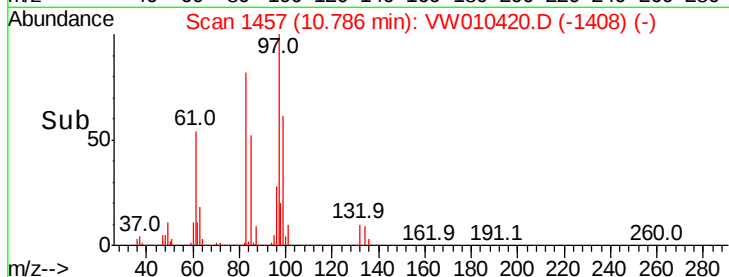
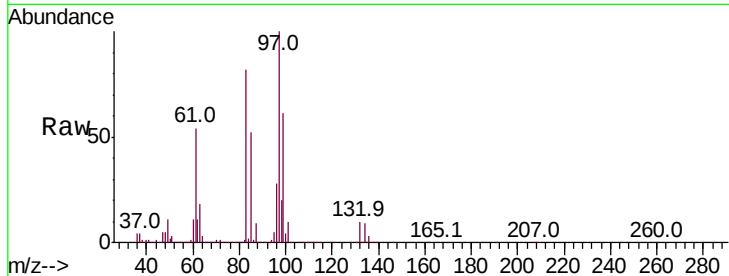
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		346943		
83	82.0	65.6	98.4		
85	52.0	41.6	62.4		
99	61.0	48.8	73.2		

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#56

Ethyl methacrylate

Concen: 48.213 ug/l

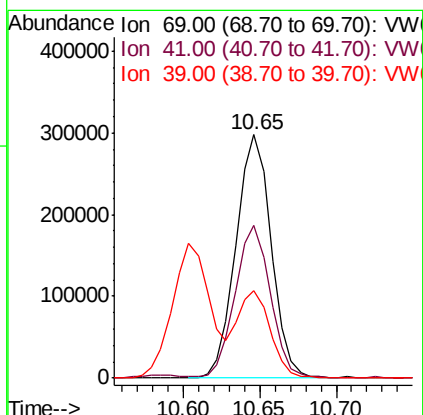
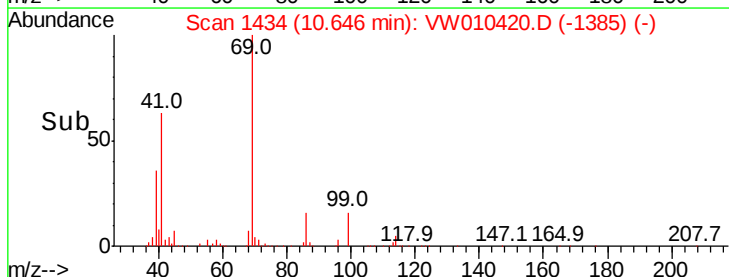
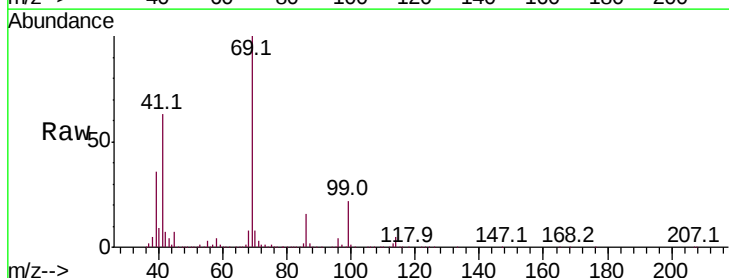
RT: 10.65 min Scan# 1434

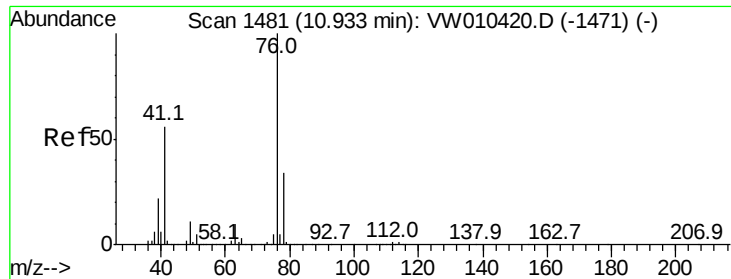
Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		475460		
41	62.5	50.0	75.0		
39	33.1	26.5	39.7		





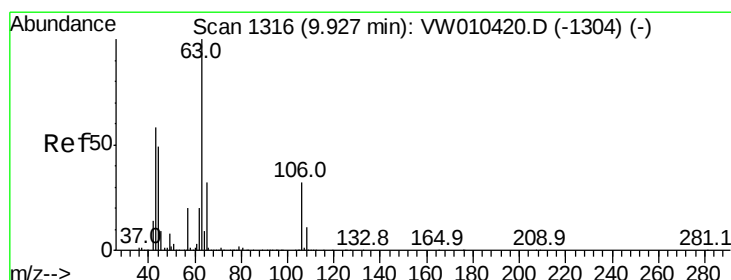
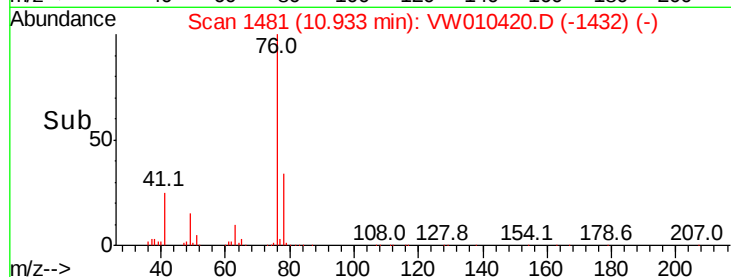
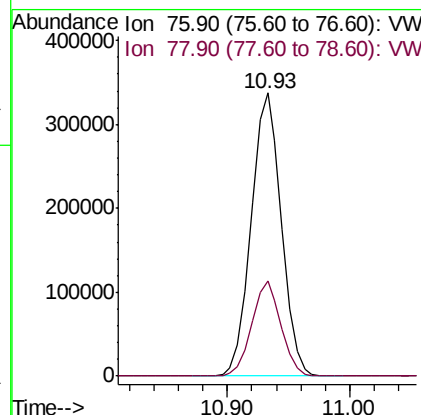
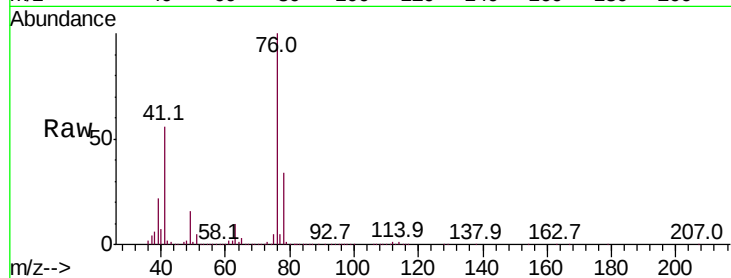
#57
 1,3-Dichloropropane
 Concen: 49.735 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 577764
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

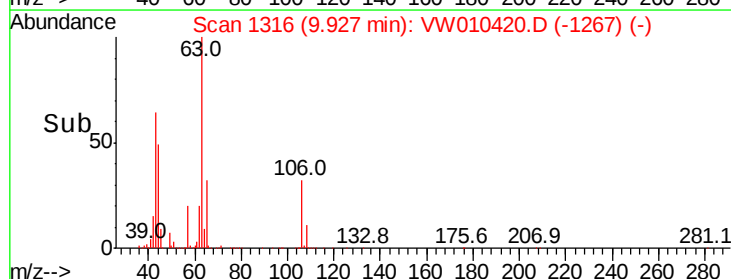
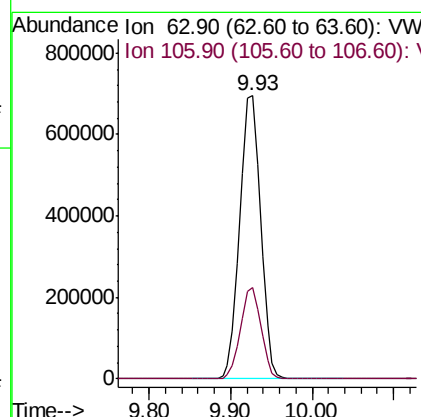
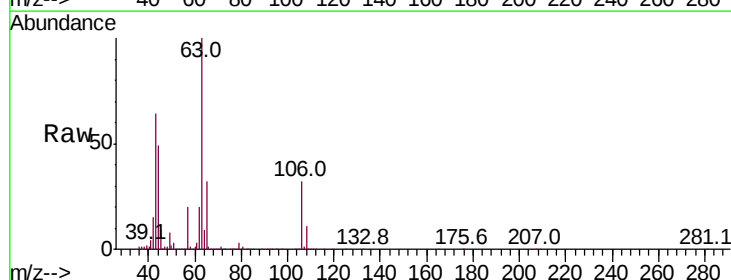
Manual Integrations
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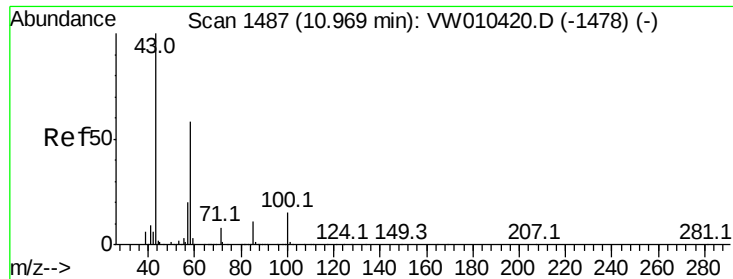
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#58
 2-Chloroethyl Vinyl ether
 Concen: 283.760 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 63 Resp: 1226512
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.2 37.8





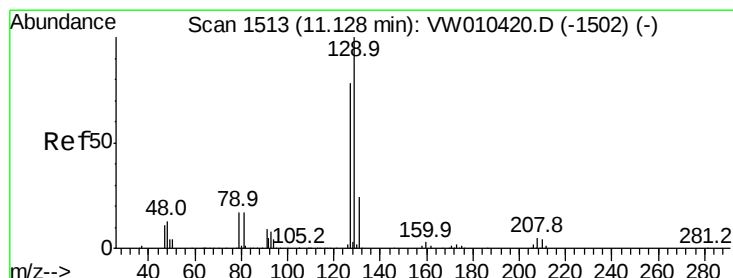
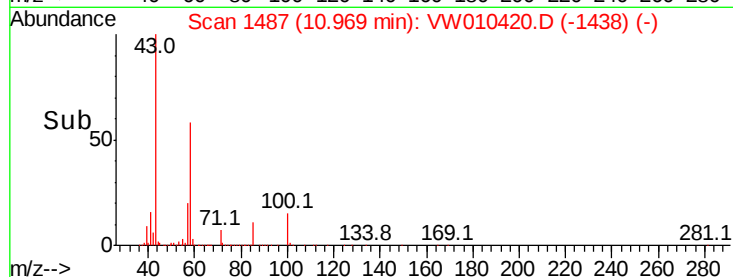
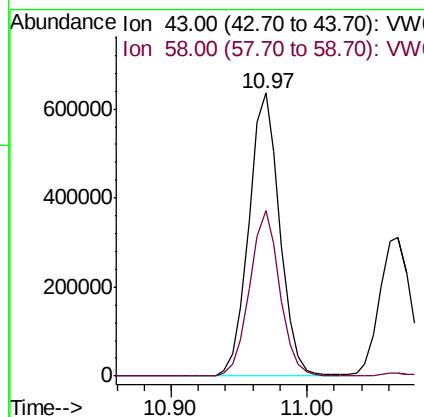
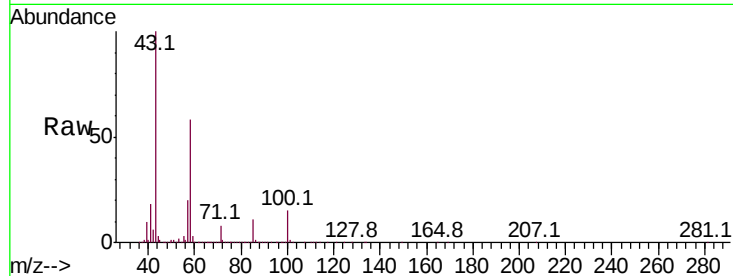
#59
2-Hexanone
Concen: 234.280 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1010089
Ion Ratio Lower Upper
43 100
58 57.1 28.5 85.6

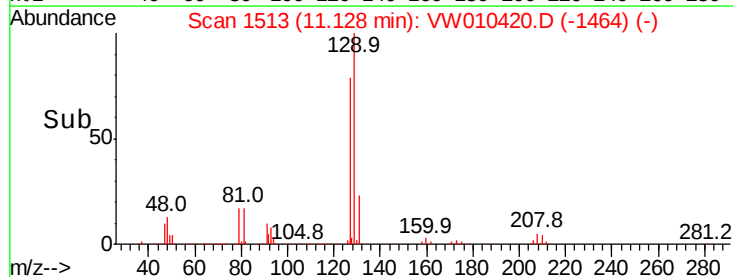
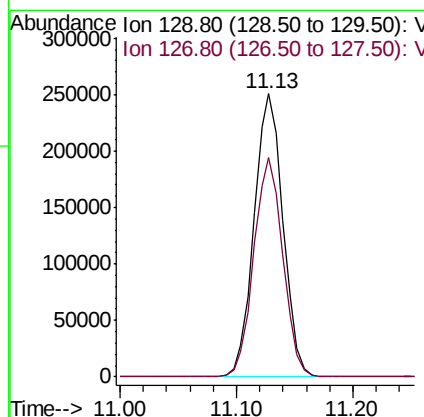
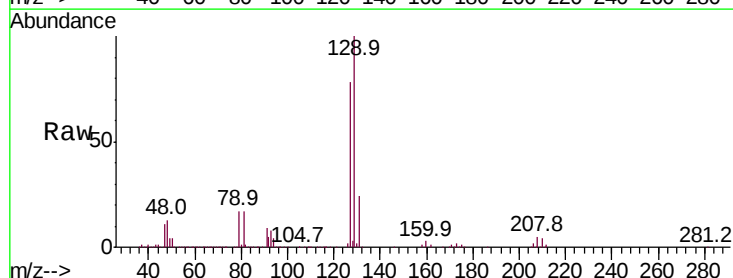
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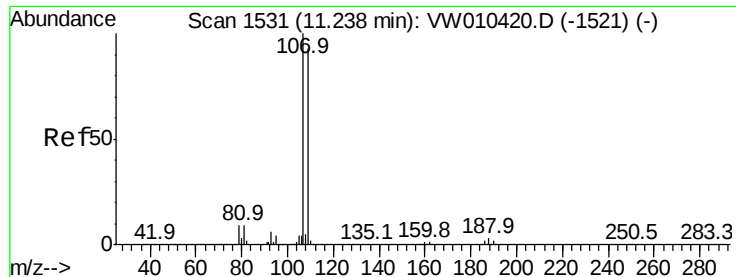
MMDadoda
5/20/2019 12:16:05 PM



#60
Dibromochloromethane
Concen: 50.067 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 129 Resp: 434340
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





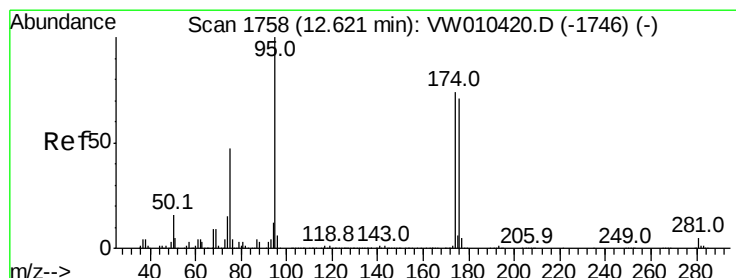
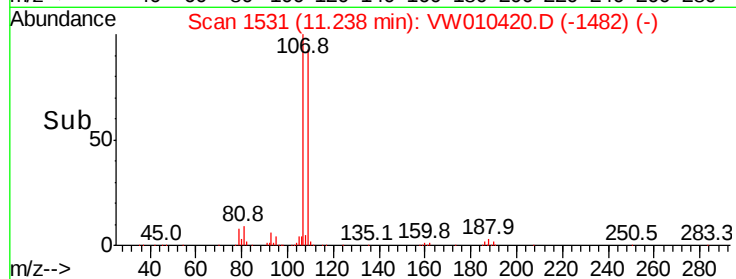
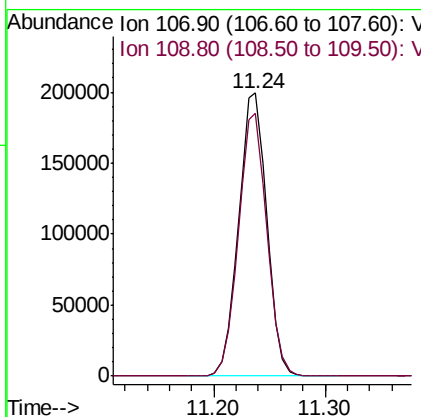
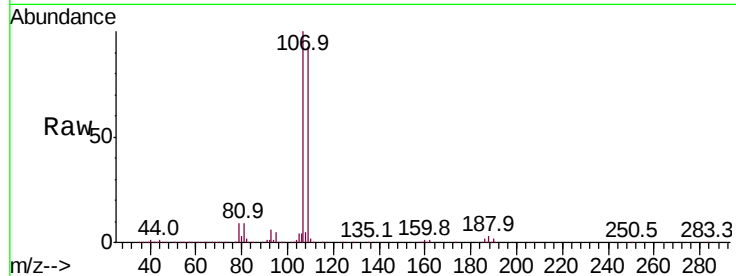
#61
 1,2-Dibromoethane
 Concen: 49.878 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	349568		
109	93.5	74.8	112.2	

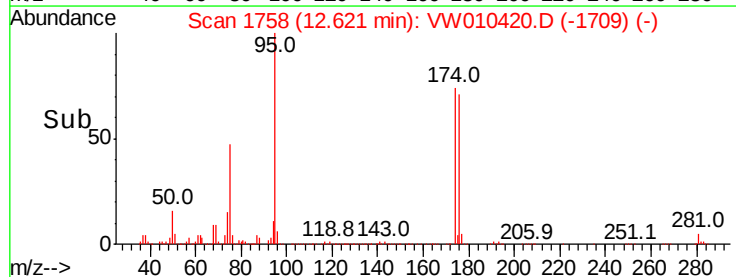
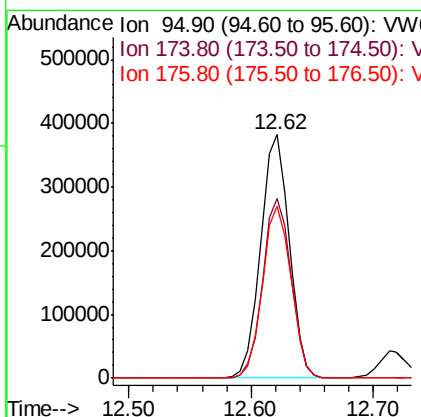
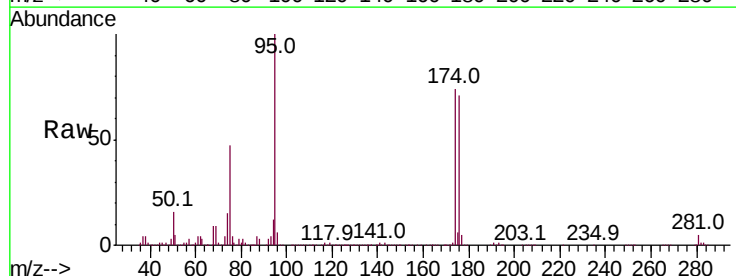
Manual Integrations
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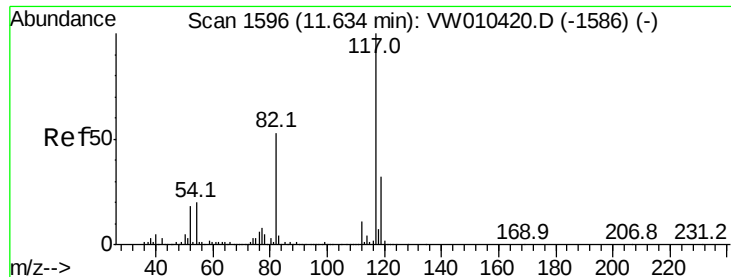
MMDadoda
 5/20/2019 12:16:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.890 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	623085		
174	73.3	0.0	146.6	
176	70.7	0.0	141.4	





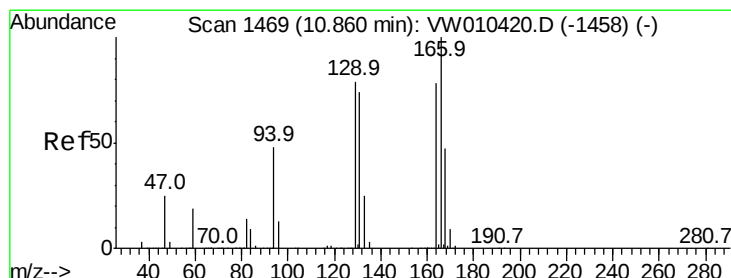
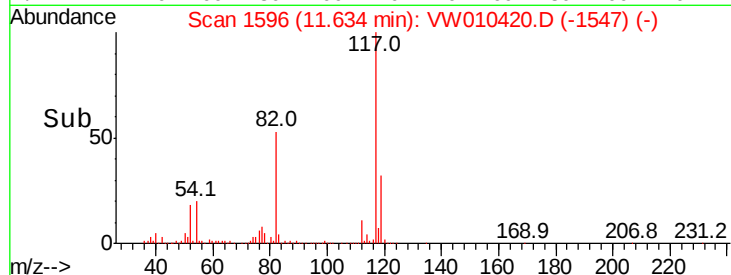
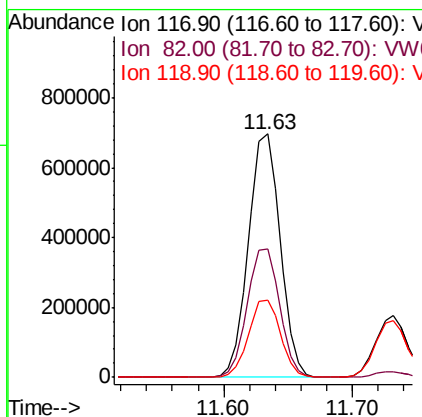
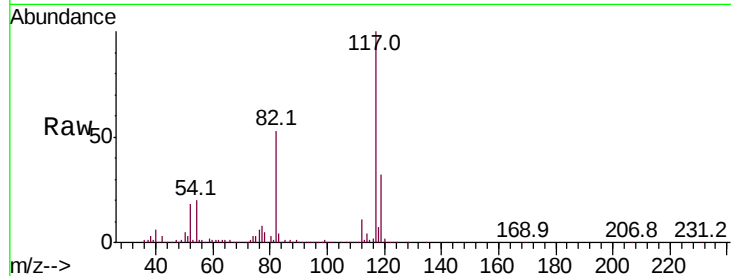
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1184896
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.0 25.6 38.4

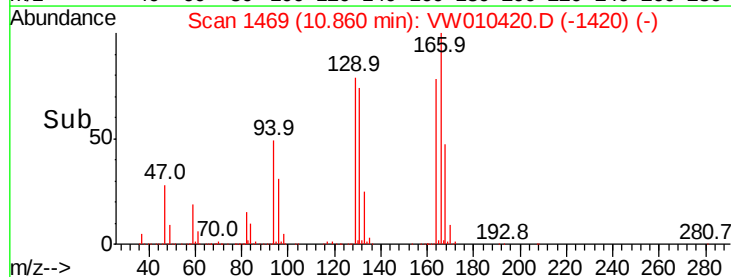
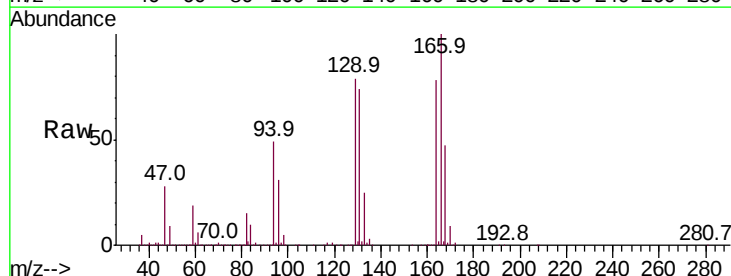
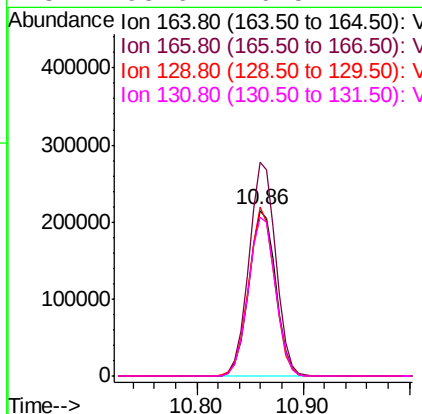
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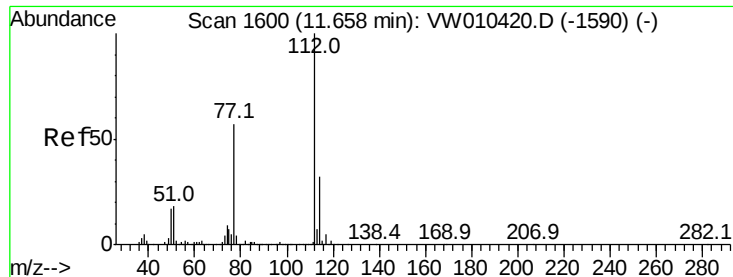
MMDadoda
5/20/2019 12:16:05 PM



#64
Tetrachloroethene
Concen: 48.516 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion:164 Resp: 379984
Ion Ratio Lower Upper
164 100
166 129.0 103.2 154.8
129 102.0 81.6 122.4
131 95.6 76.5 114.7





#65

Chlorobenzene

Concen: 50.020 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 1176030

Ion Ratio Lower Upper

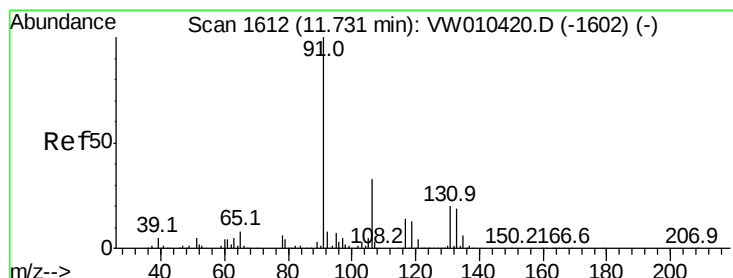
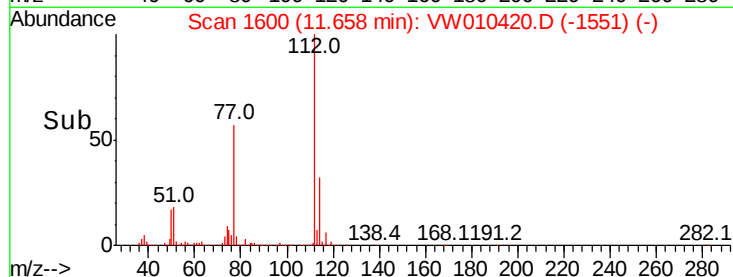
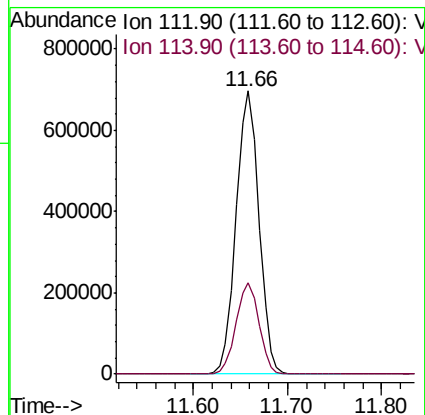
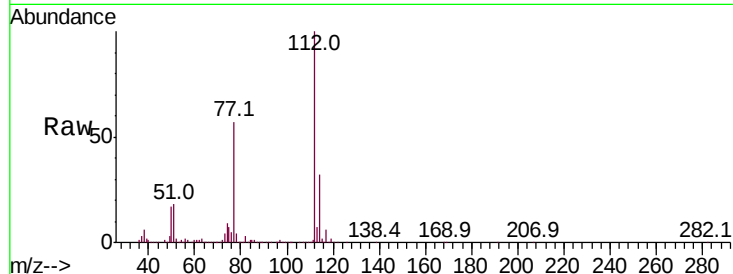
112 100

114 32.2 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 49.764 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

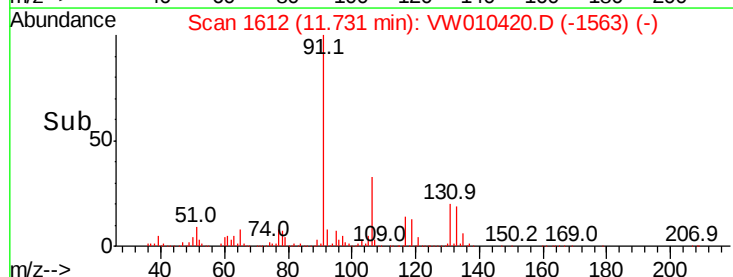
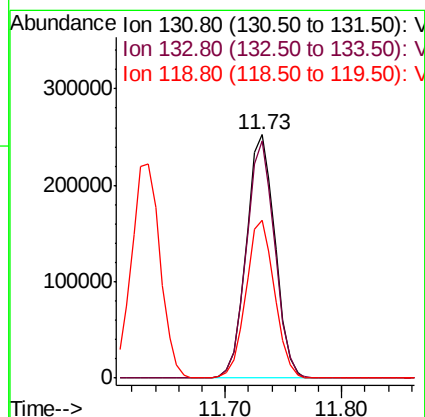
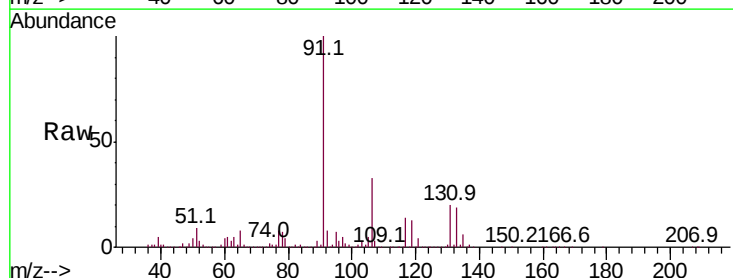
Tgt Ion:131 Resp: 433264

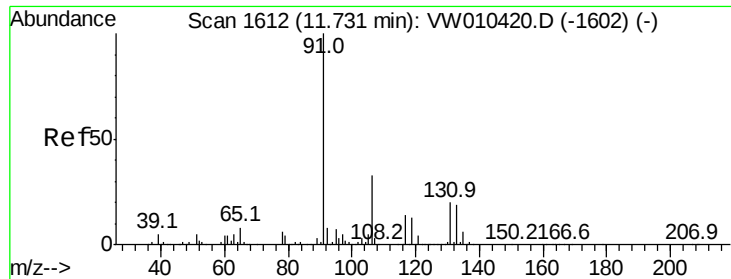
Ion Ratio Lower Upper

131 100

133 96.5 48.3 144.8

119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 49.220 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2055144

Ion Ratio Lower Upper

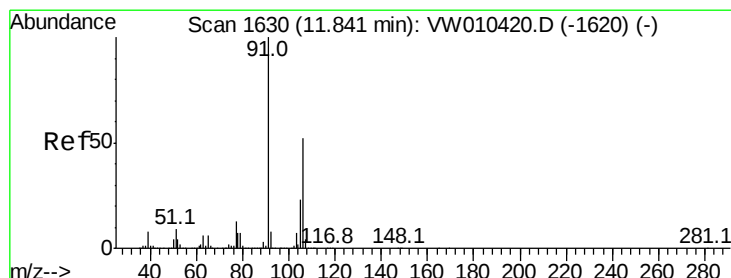
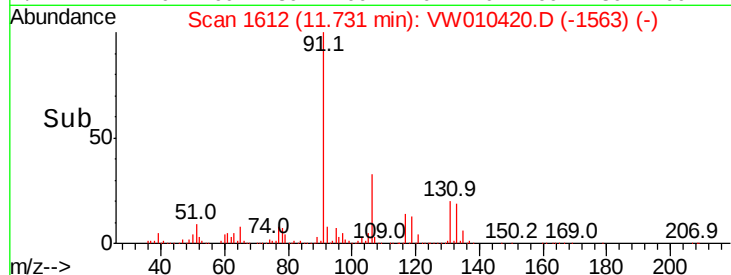
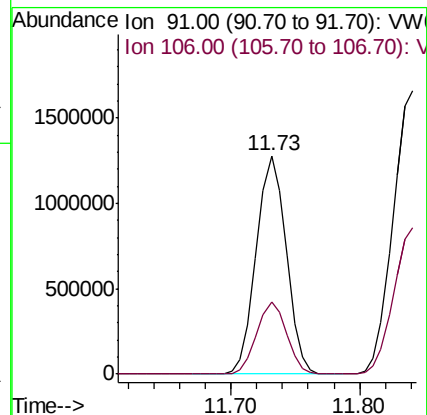
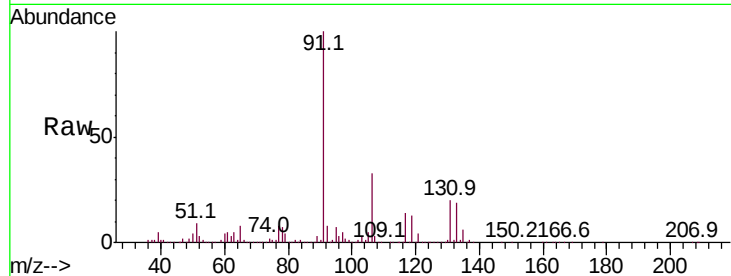
91 100

106 33.1 26.5 39.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 98.523 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010420.D

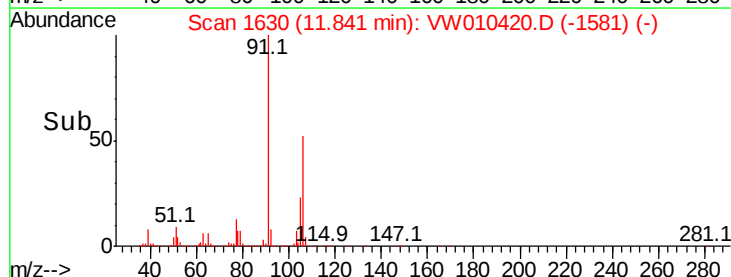
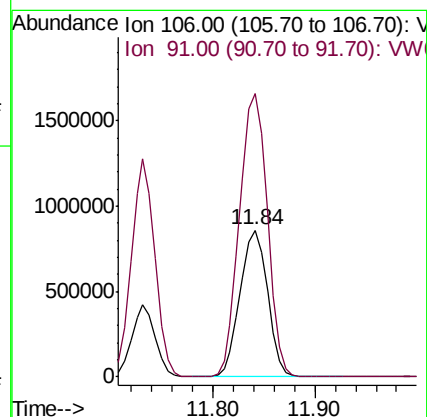
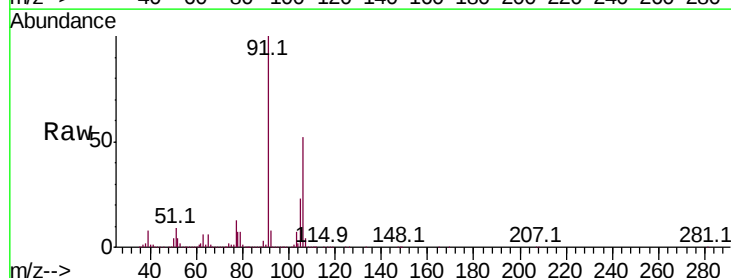
Acq: 17 May 2019 18:24

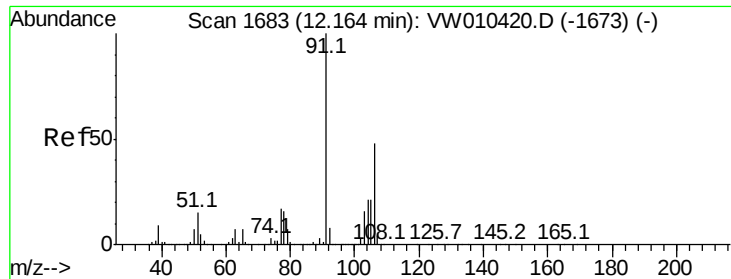
Tgt Ion:106 Resp: 1609640

Ion Ratio Lower Upper

106 100

91 195.2 156.2 234.2





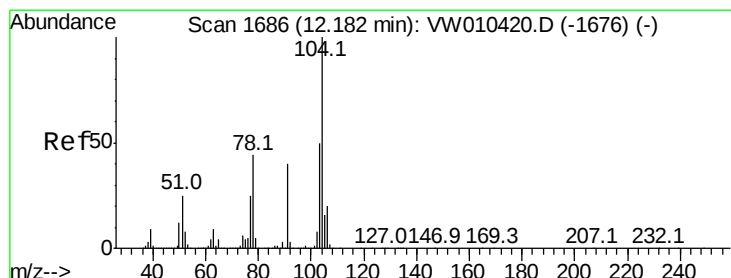
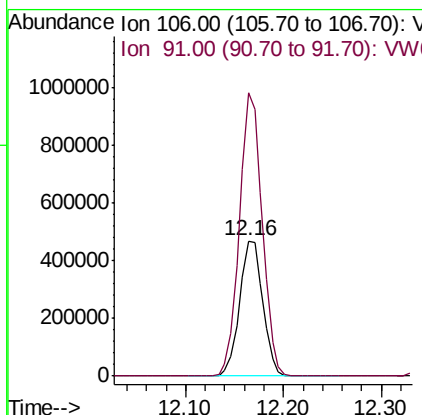
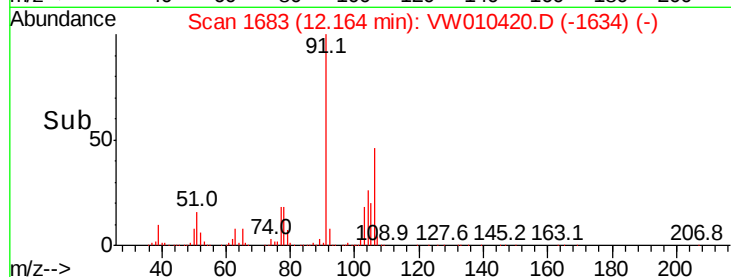
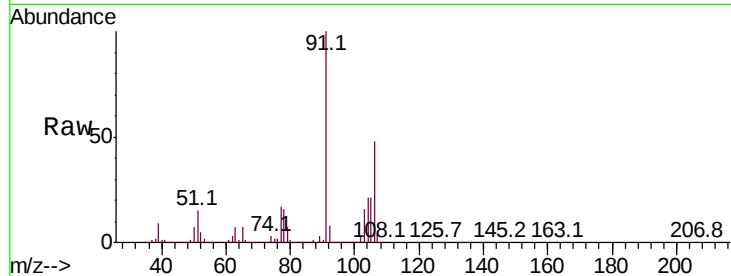
#69
o-Xylene
Concen: 48.970 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 771099
Ion Ratio Lower Upper
106 100
91 205.0 102.5 307.5

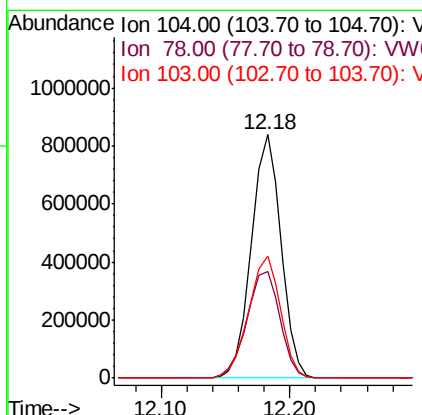
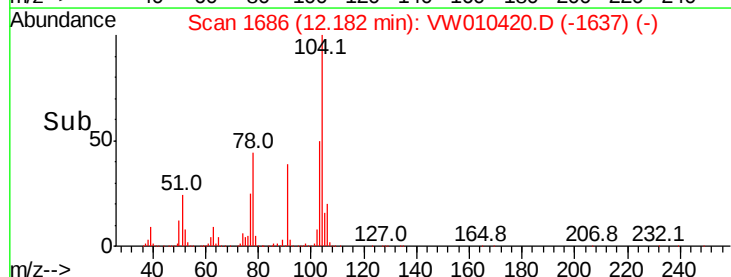
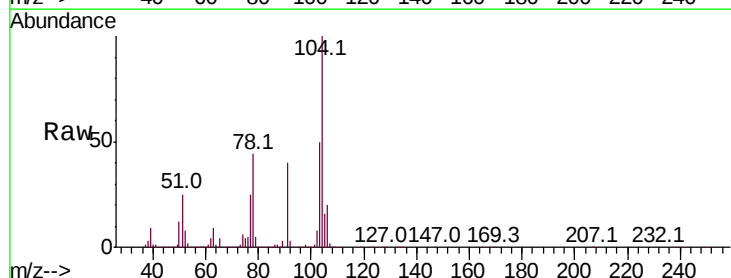
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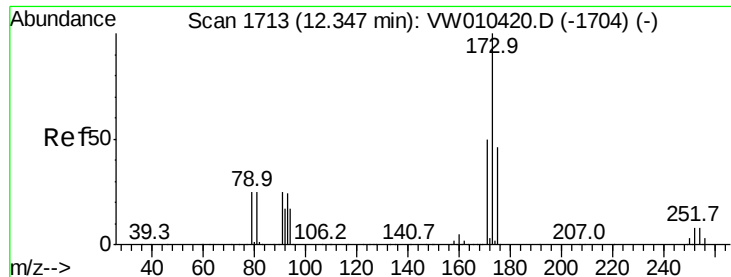
MMDadoda
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#70
Styrene
Concen: 48.475 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion:104 Resp: 1326876
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.0
103 54.2 43.4 65.0





#71

Bromoform

Concen: 50.938 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 257163

Ion Ratio Lower Upper

173 100

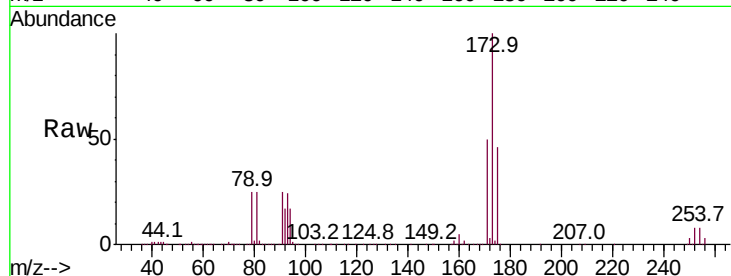
175 47.5 23.8 71.2

254 0.2 0.2 0.2

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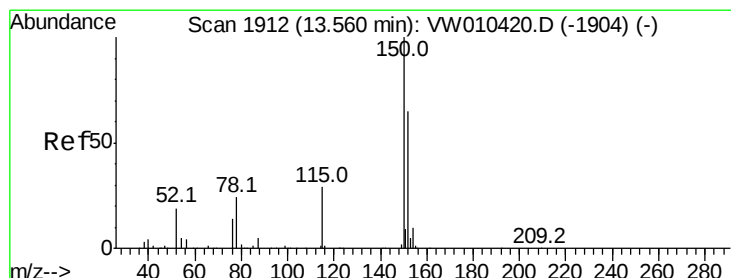
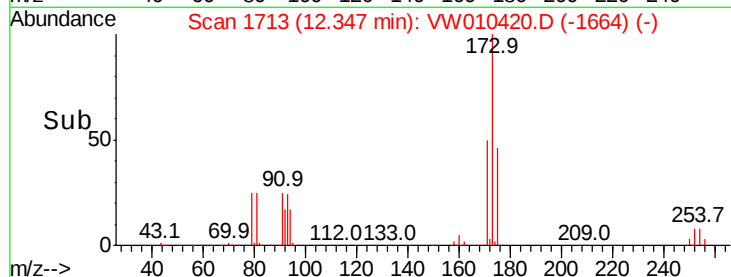
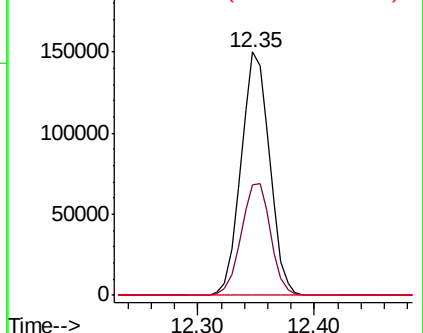
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

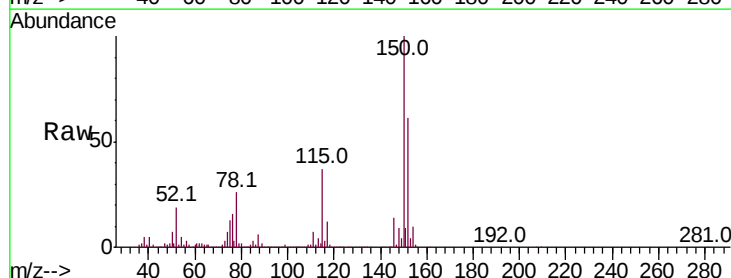
Tgt Ion:152 Resp: 574099

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.1

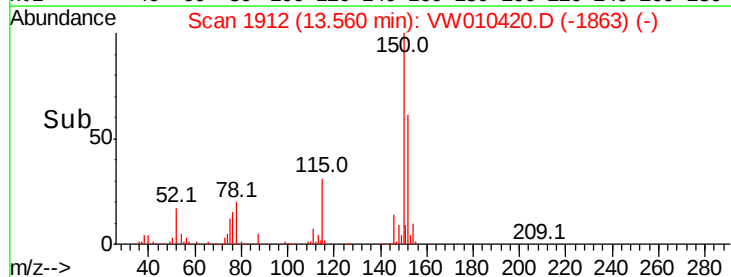
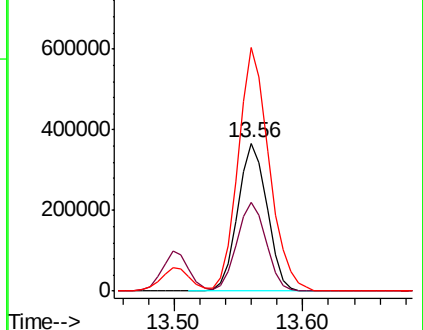
150 175.1 0.0 350.2

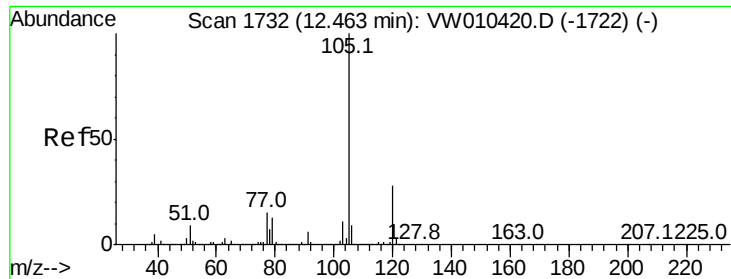


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.319 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 2065643

Ion Ratio Lower Upper

105 100

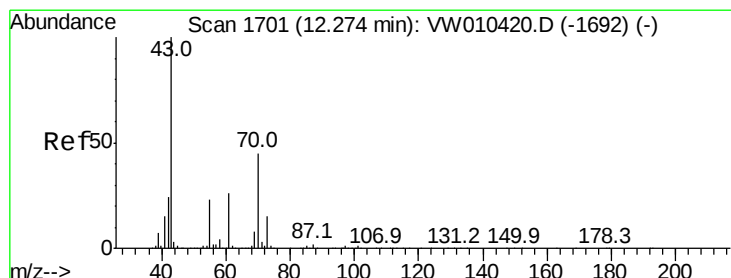
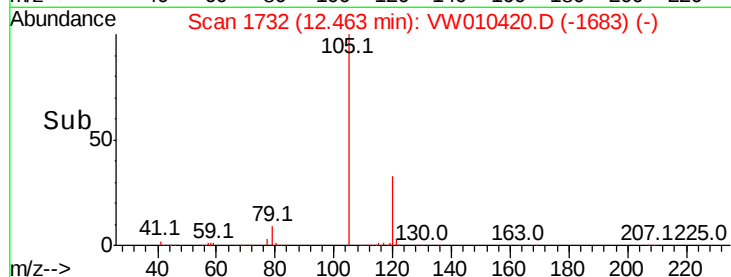
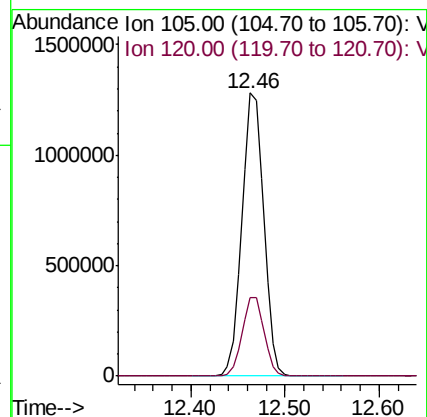
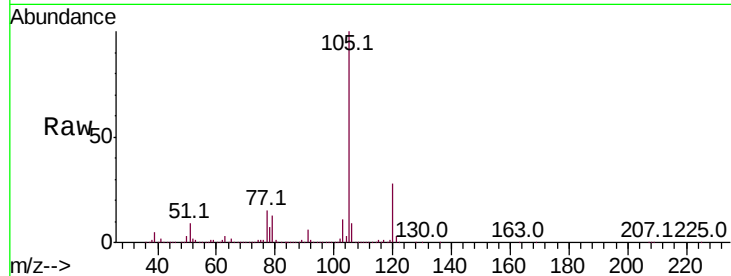
120 27.7 13.9 41.6

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#74

N-ethyl acetate

Concen: 46.199 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion: 43 Resp: 535750

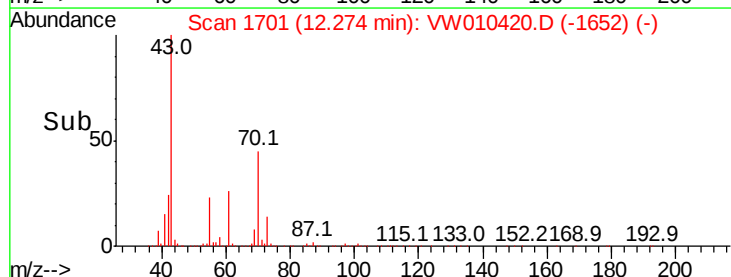
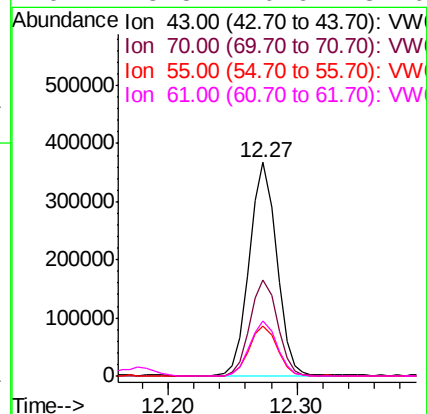
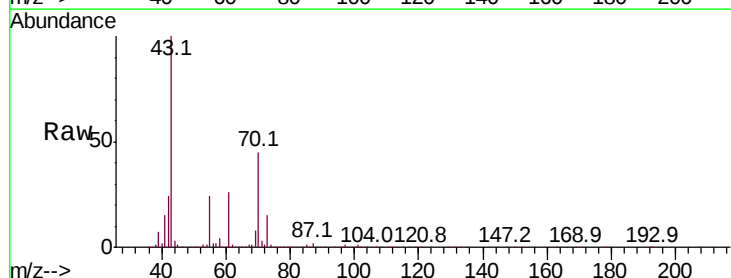
Ion Ratio Lower Upper

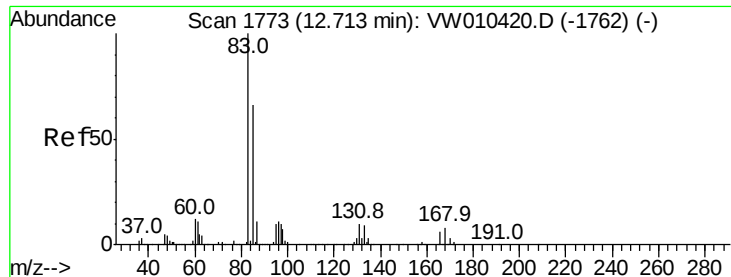
43 100

70 45.5 36.4 54.6

55 23.8 19.0 28.6

61 25.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.443 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 415217
Ion Ratio Lower Upper

83 100

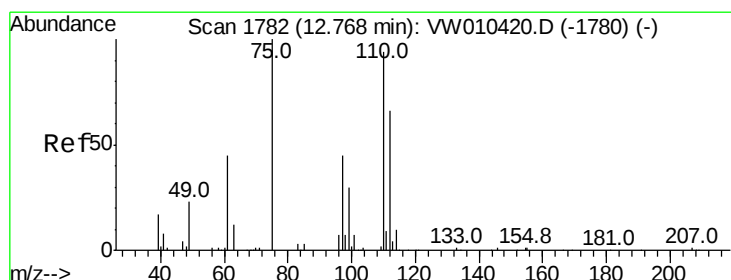
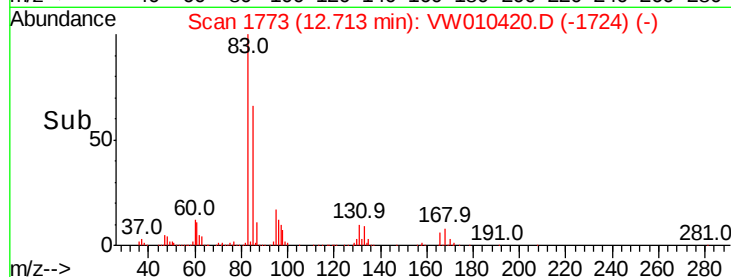
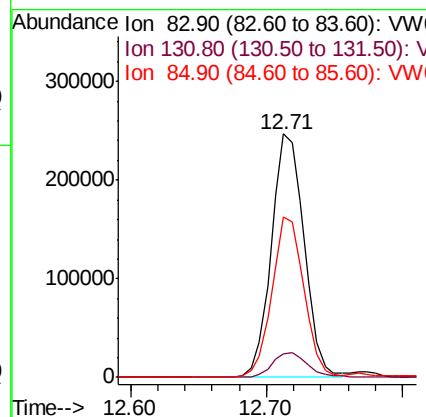
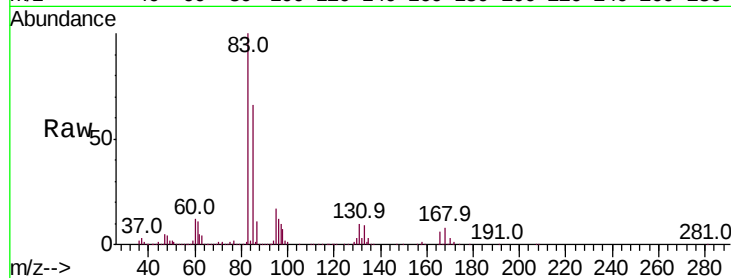
131 10.9 5.5 16.4

85 64.6 32.3 96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.273 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

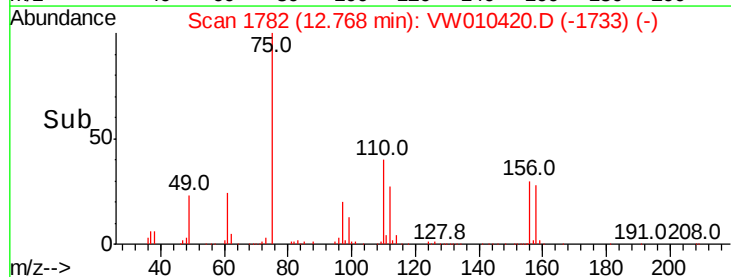
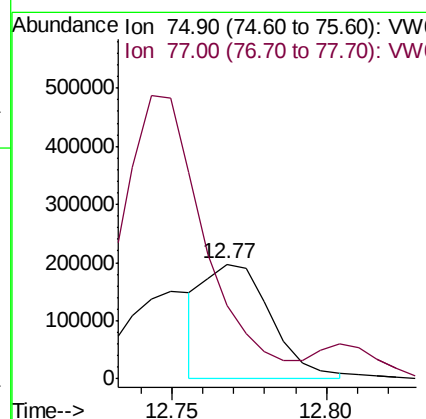
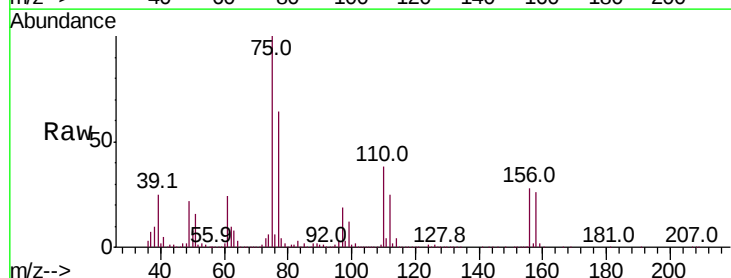
Lab File: VW010420.D

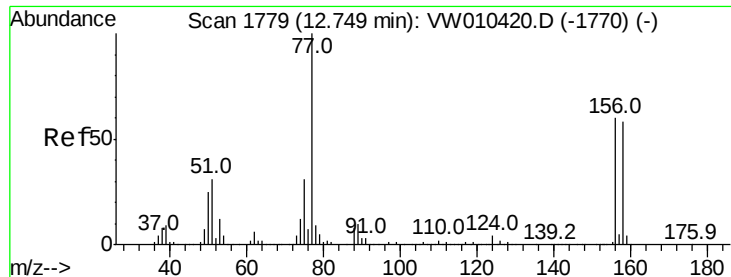
Acq: 17 May 2019 18:24

Tgt Ion: 75 Resp: 295309
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.156 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 475019

Ion Ratio Lower Upper

156 100

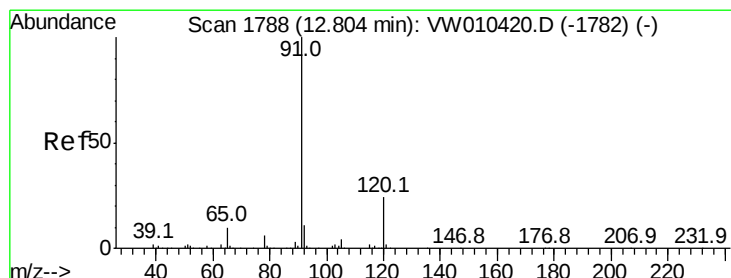
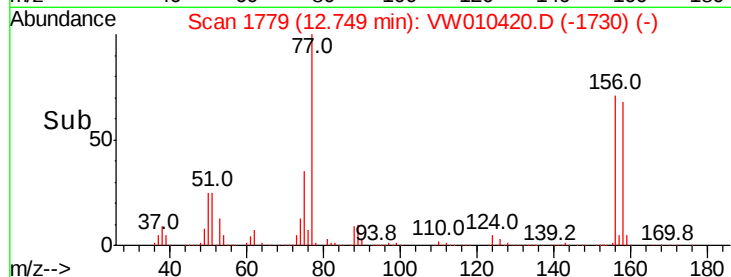
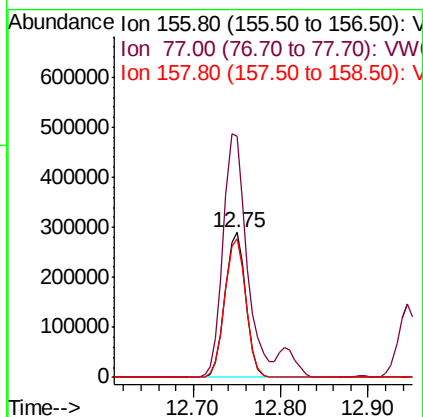
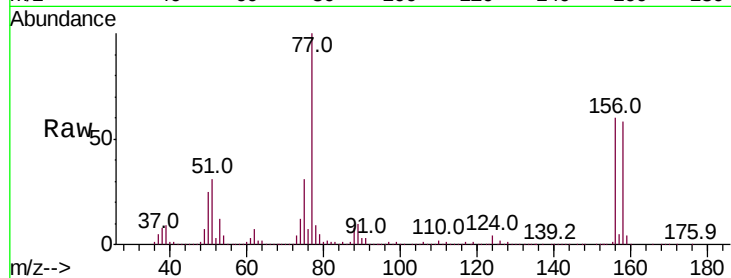
77 191.3 95.7 286.9

158 97.8 48.9 146.7

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#78

n-propylbenzene

Concen: 49.431 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010420.D

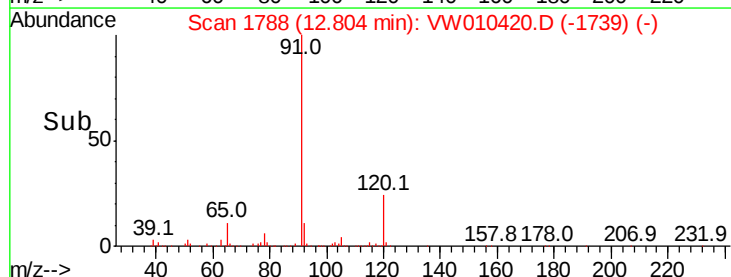
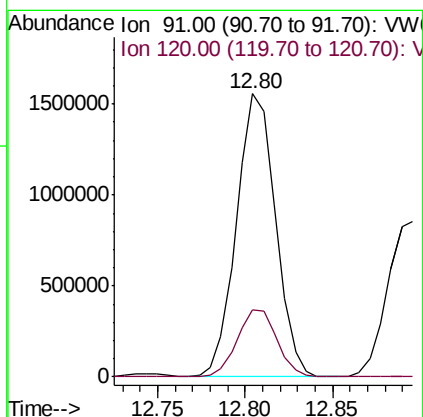
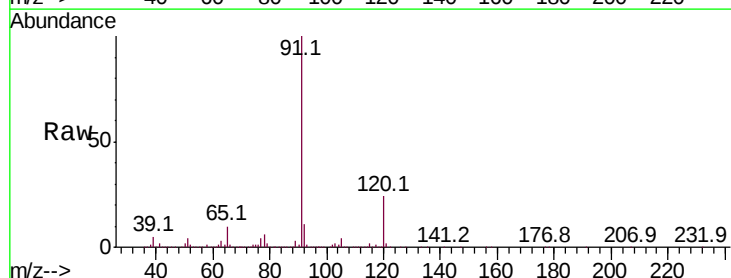
Acq: 17 May 2019 18:24

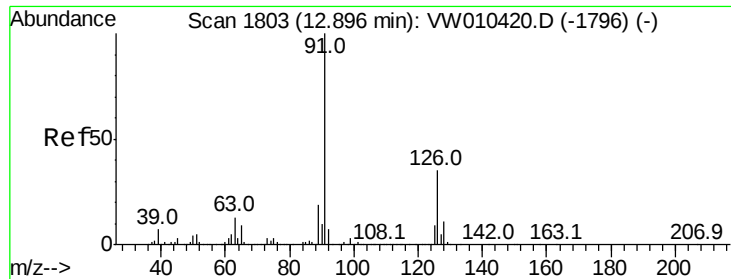
Tgt Ion: 91 Resp: 2421069

Ion Ratio Lower Upper

91 100

120 24.1 12.0 36.1





#79

2-Chlorotoluene

Concen: 49.419 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1407426

Ion Ratio Lower Upper

91 100

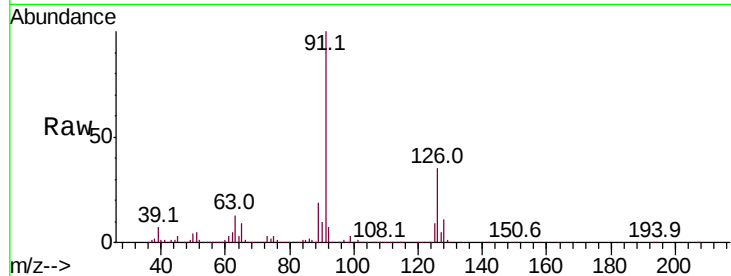
126 34.7 17.3 52.0

Manual Integrations

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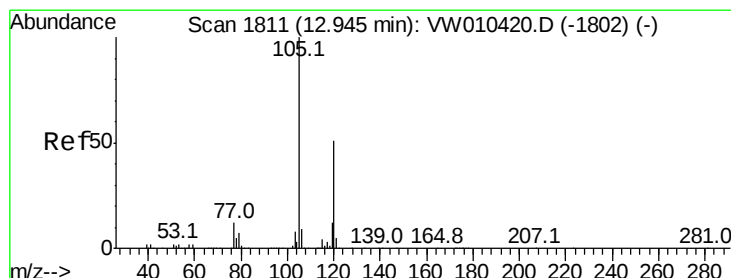
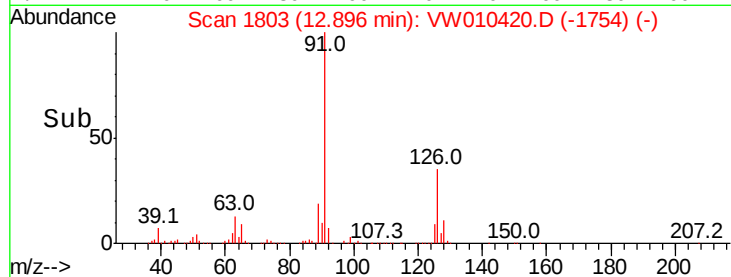
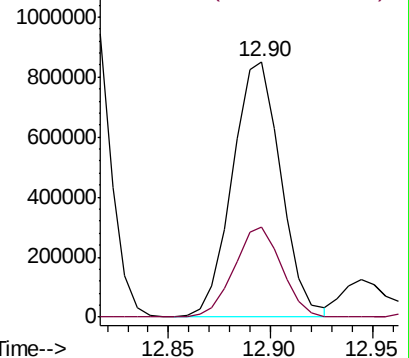
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.320 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010420.D

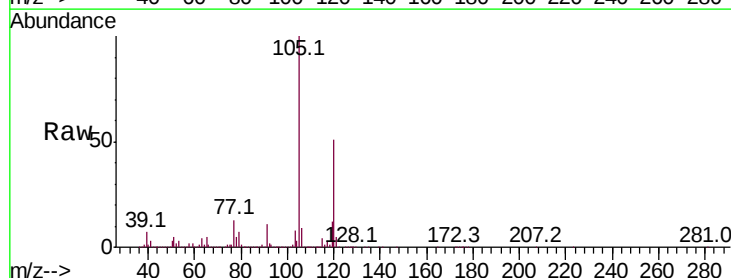
Acq: 17 May 2019 18:24

Tgt Ion:105 Resp: 1780132

Ion Ratio Lower Upper

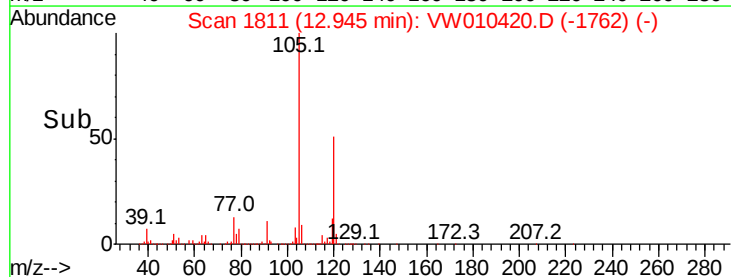
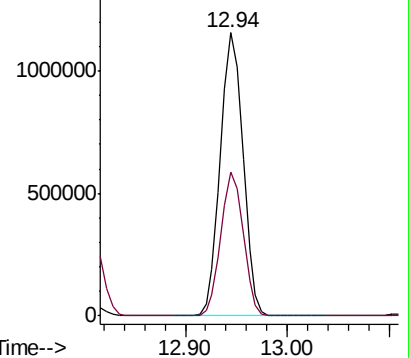
105 100

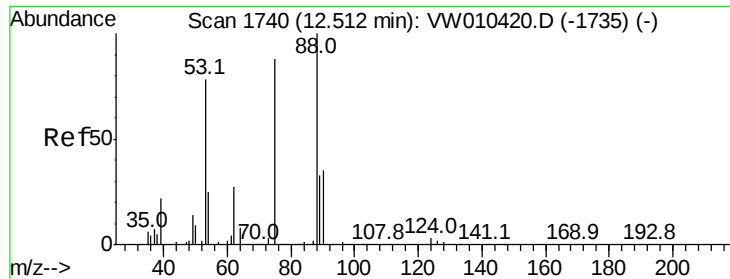
120 50.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





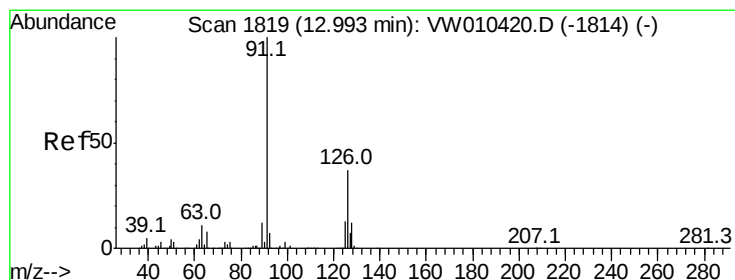
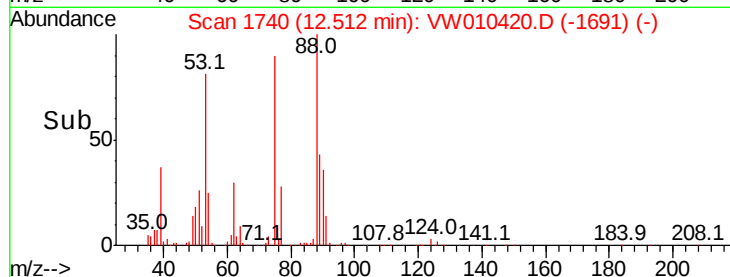
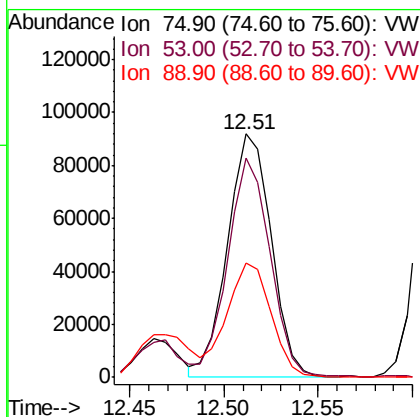
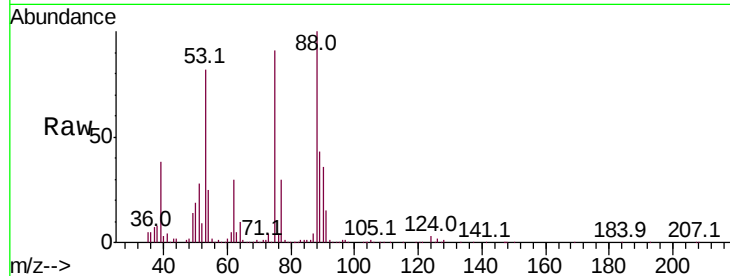
#81
trans-1,4-Dichloro-2-butene
Concen: 48.745 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	70.7	106.1
89	48.3	38.6	58.0

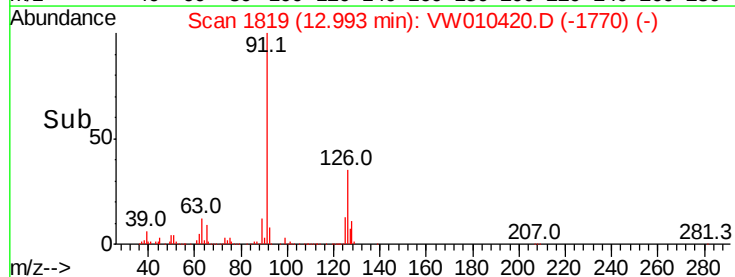
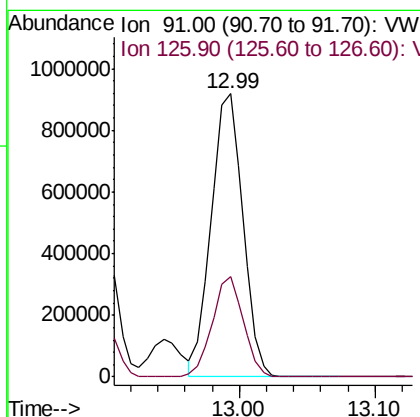
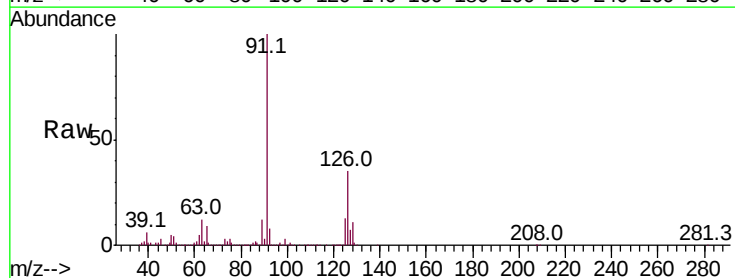
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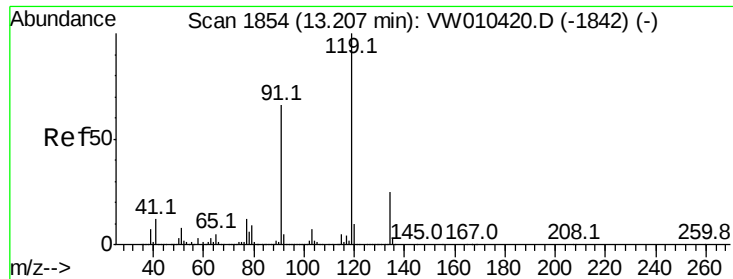
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#82
4-Chlorotoluene
Concen: 49.538 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.2





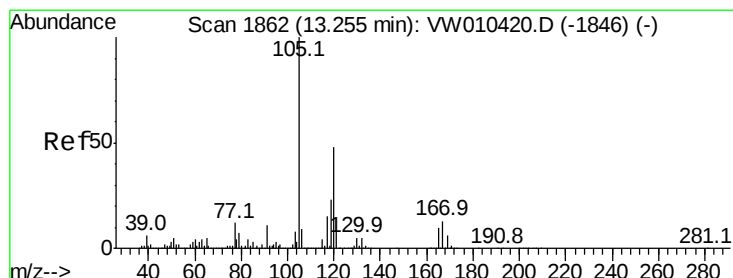
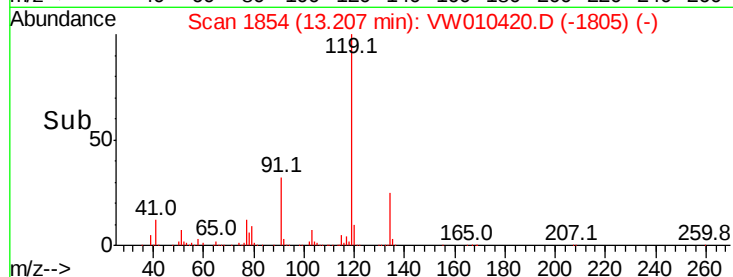
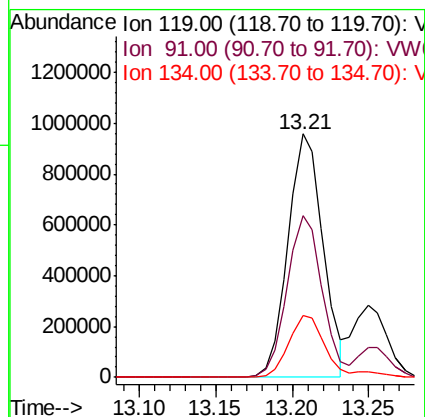
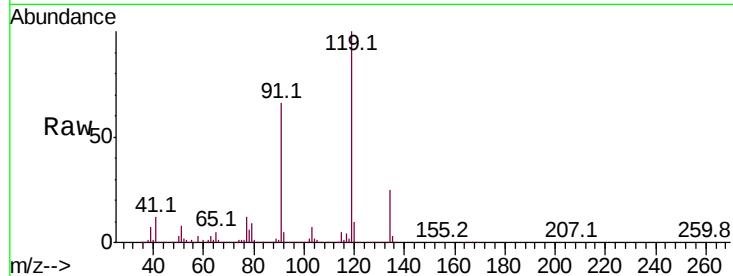
#83
 tert-Butylbenzene
 Concen: 49.974 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.5	100.5
134	27.6	13.8	41.4

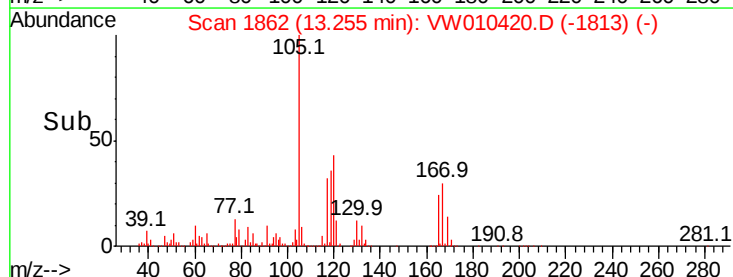
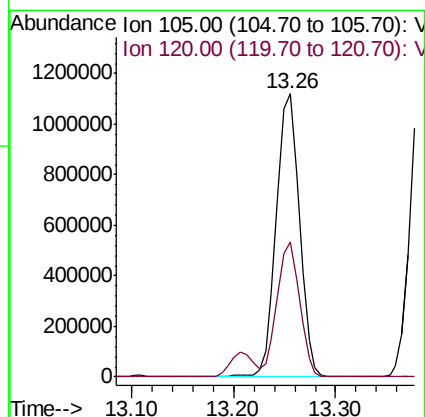
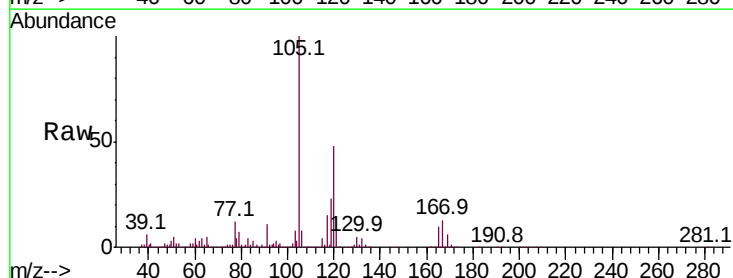
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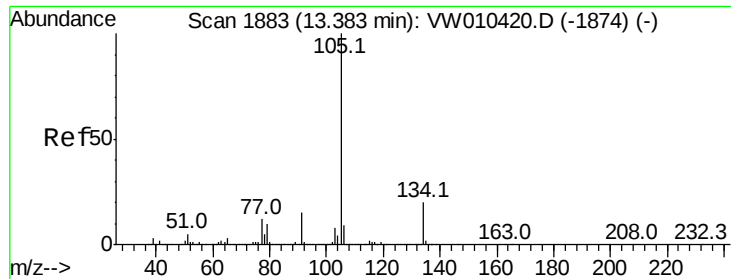
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.711 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





#85

sec-Butylbenzene

Concen: 49.810 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 2143872

Ion Ratio Lower Upper

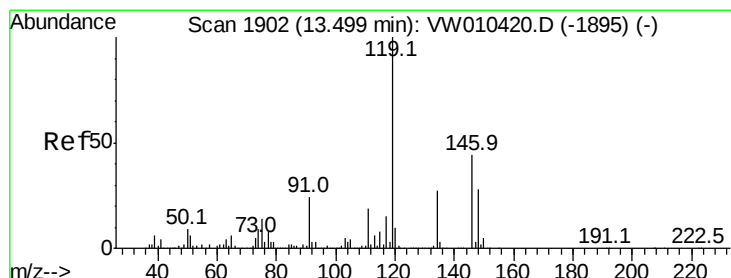
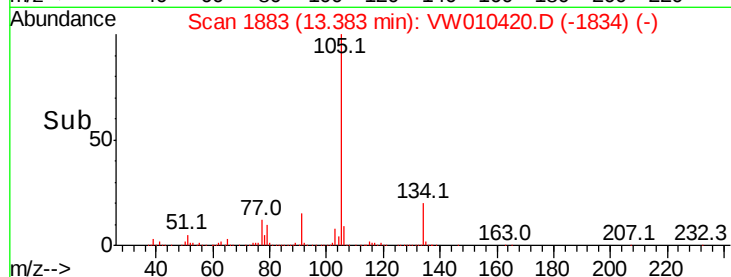
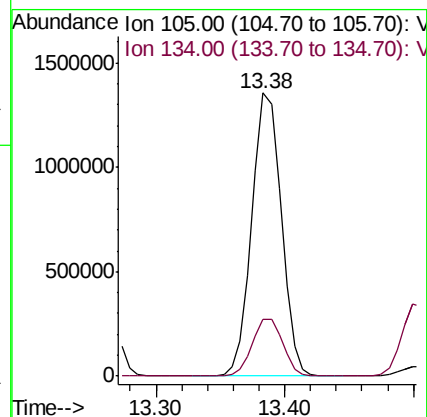
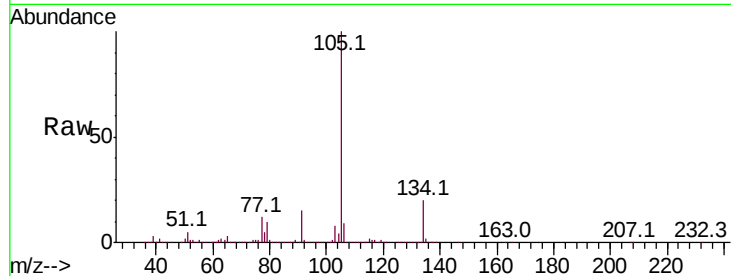
105 100

134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 49.423 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

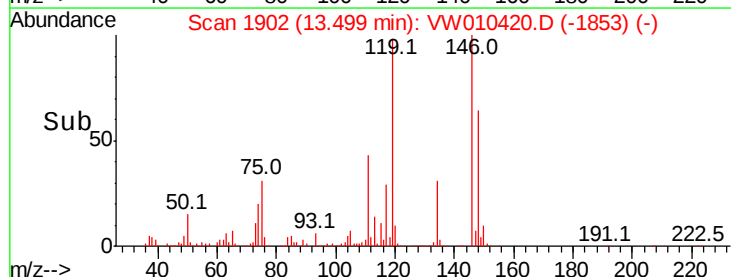
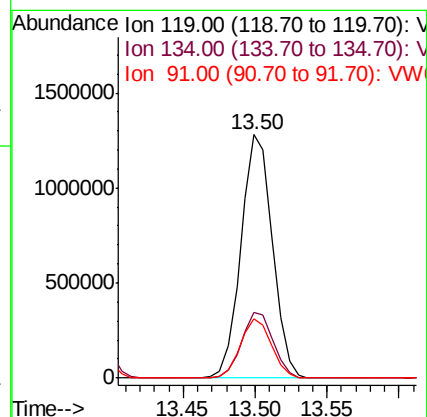
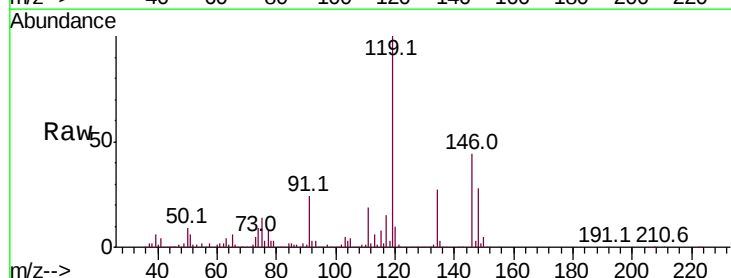
Tgt Ion:119 Resp: 1935538

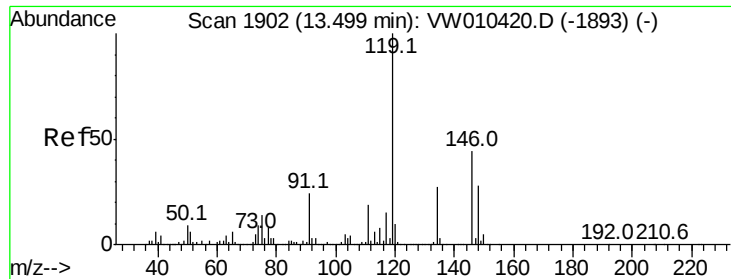
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 24.3 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 49.330 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

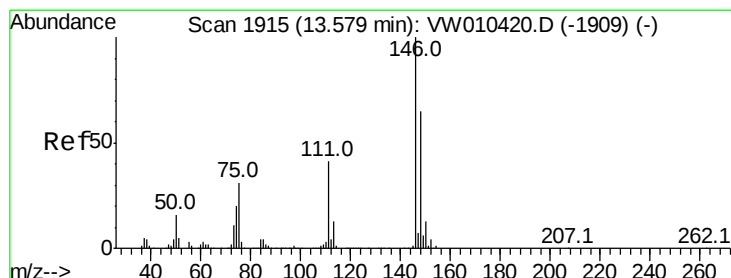
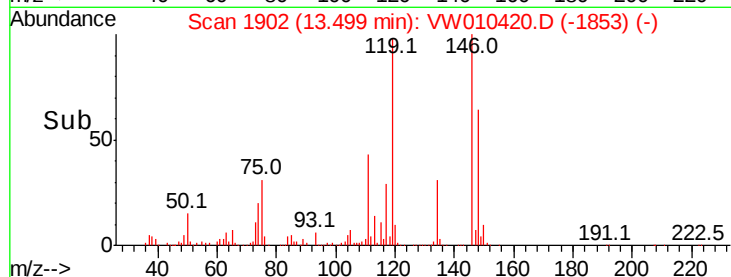
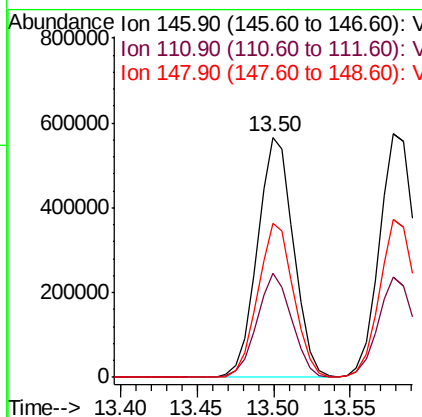
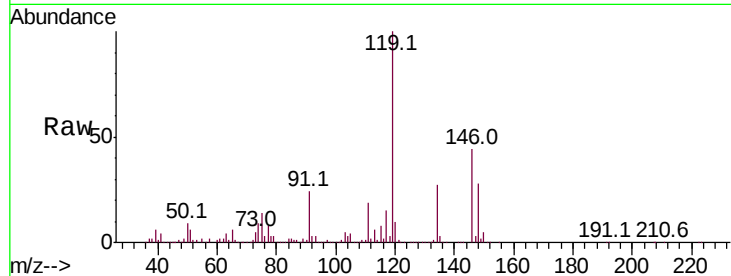
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	927042
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.8	62.4
148	63.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 49.496 ug/l

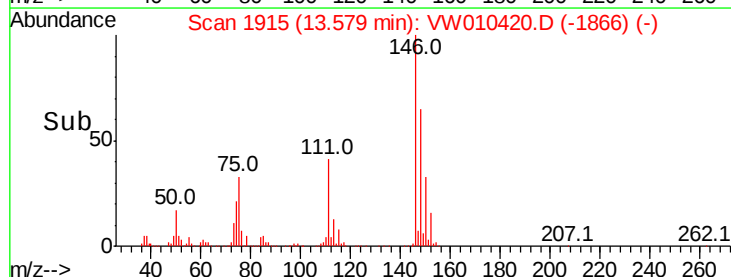
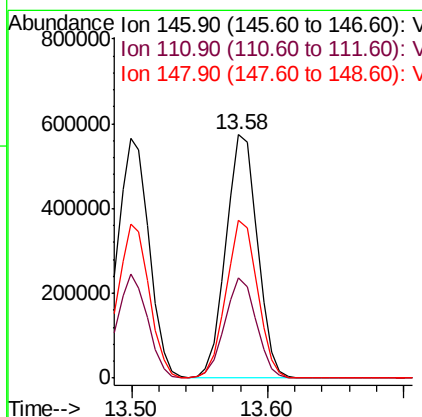
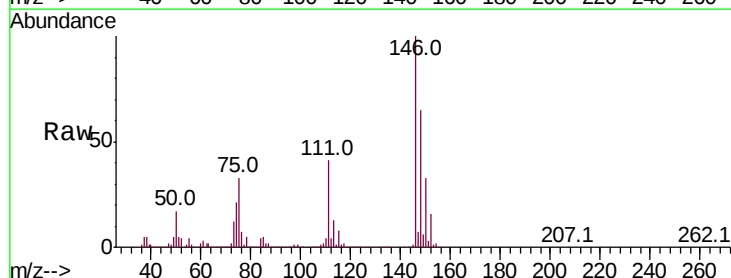
RT: 13.58 min Scan# 1915

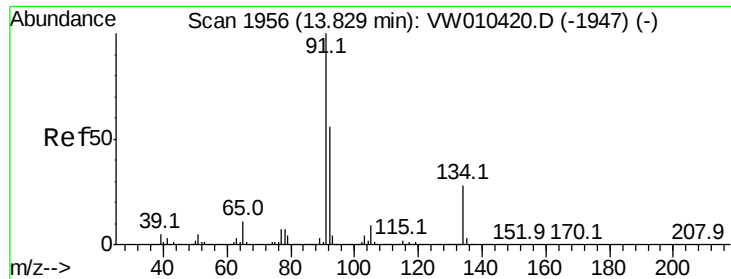
Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion:	146	Resp:	928353
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.4	61.3
148	64.6	32.3	96.9





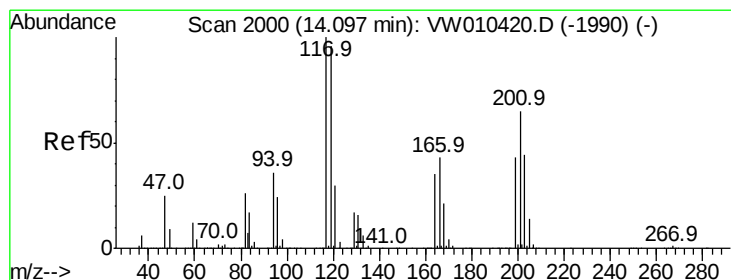
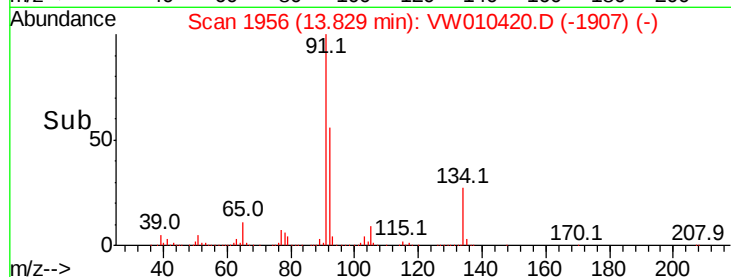
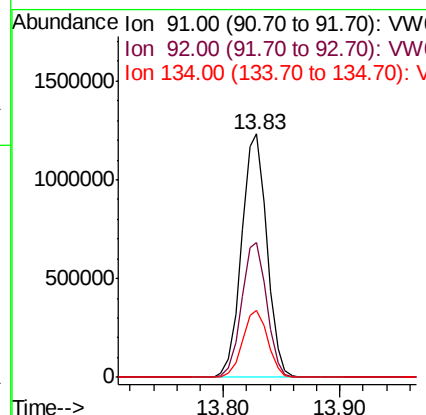
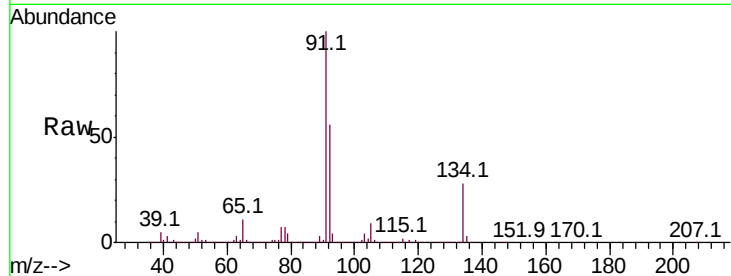
#89
n-Butylbenzene
Concen: 49.829 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1862537
Ion Ratio Lower Upper
91 100
92 55.3 27.7 83.0
134 27.5 13.8 41.3

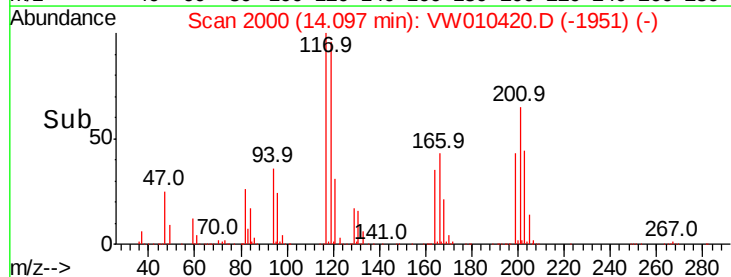
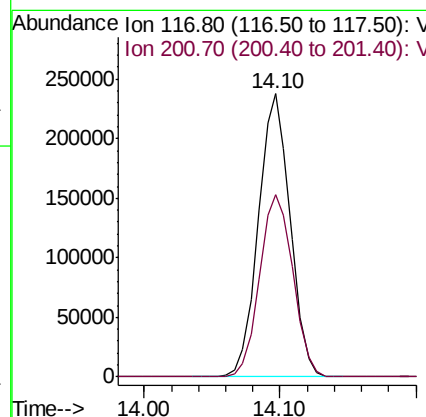
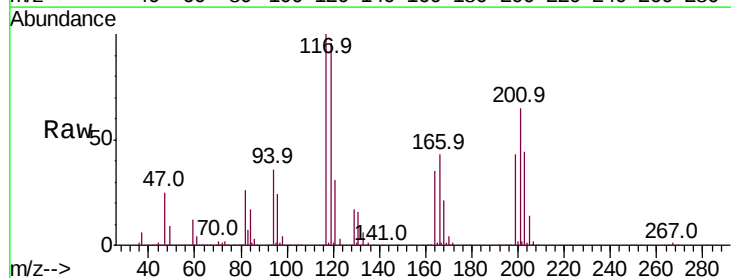
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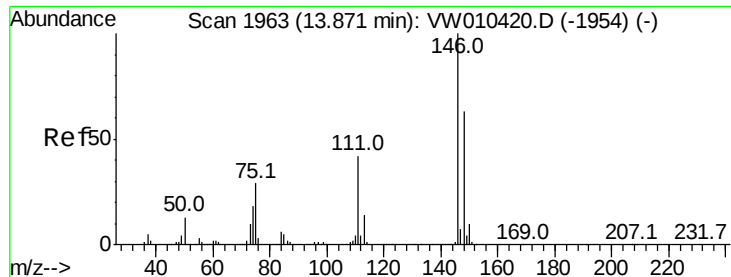
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#90
Hexachloroethane
Concen: 50.122 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 117 Resp: 388625
Ion Ratio Lower Upper
117 100
201 67.6 33.8 101.4





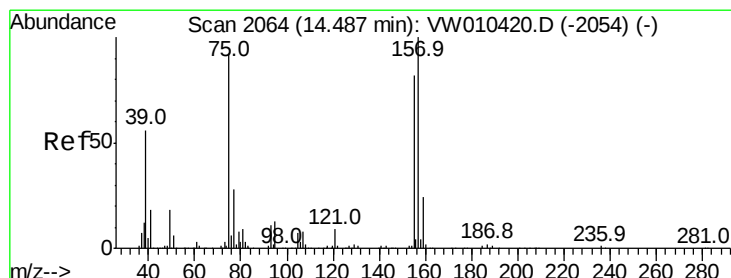
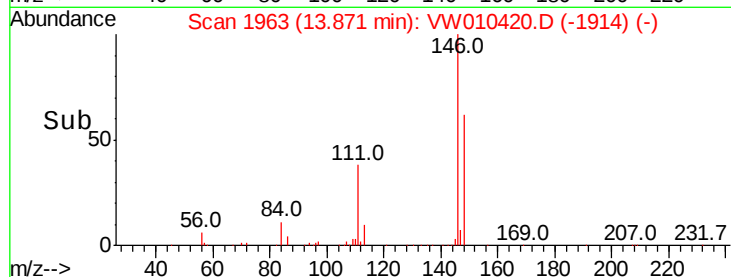
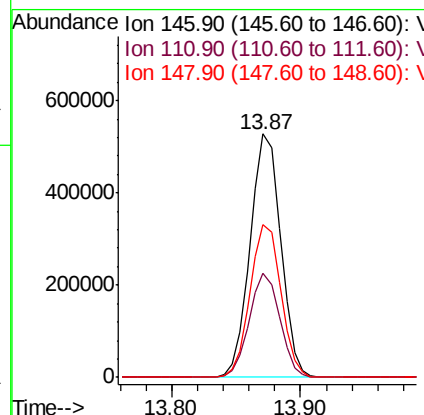
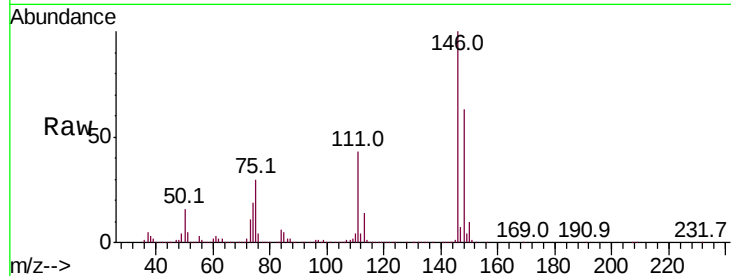
#91
 1,2-Dichlorobenzene
 Concen: 50.018 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.3	31.6	95.0

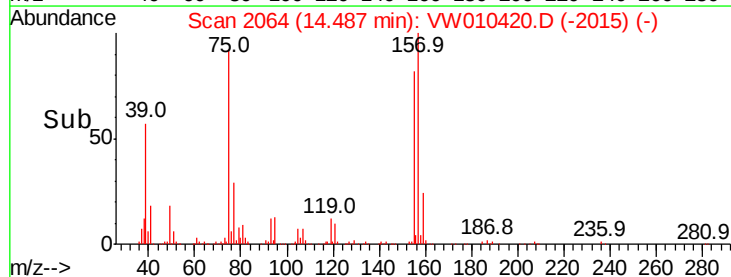
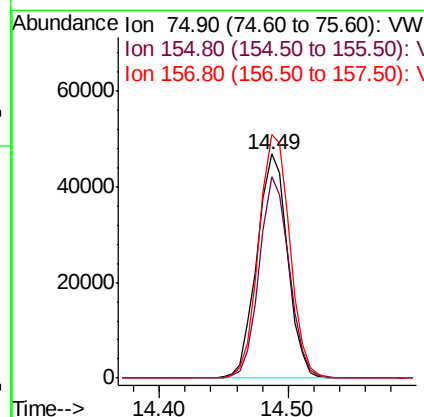
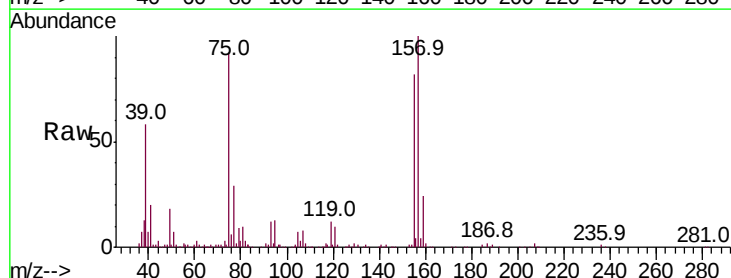
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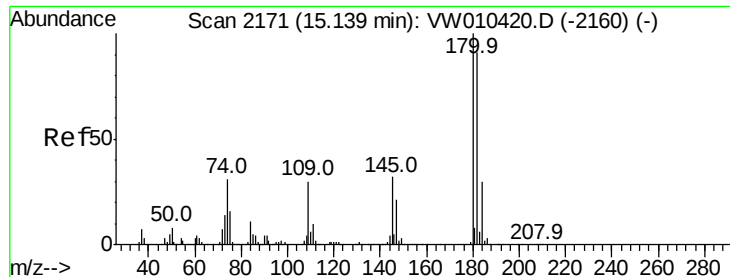
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.453 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	43.5	130.7
157	109.6	54.8	164.4





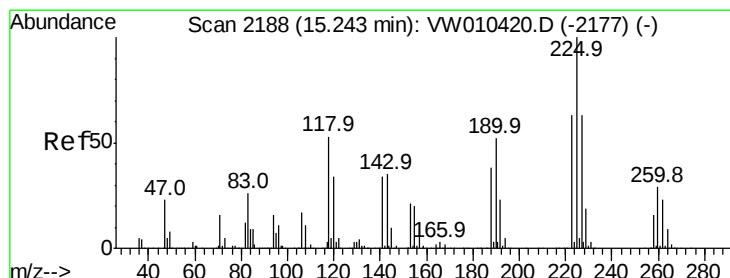
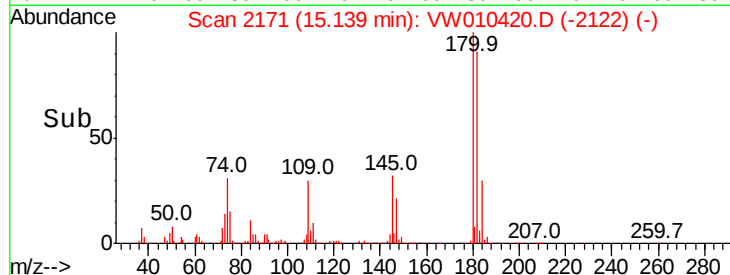
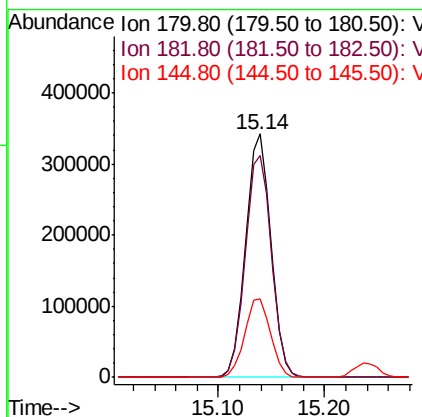
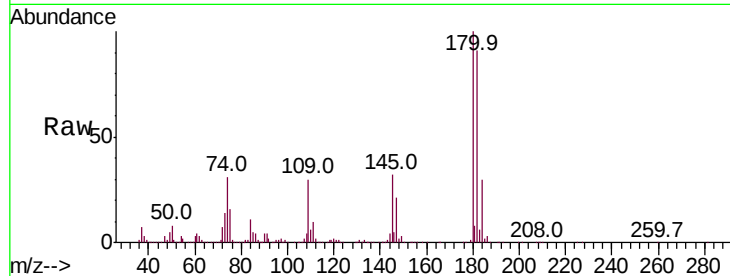
#93
 1,2,4-Trichlorobenzene
 Concen: 48.253 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	572201		
182	94.1	47.0	141.2	
145	33.1	16.6	49.7	

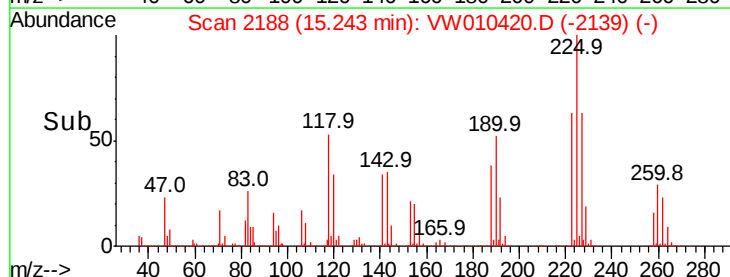
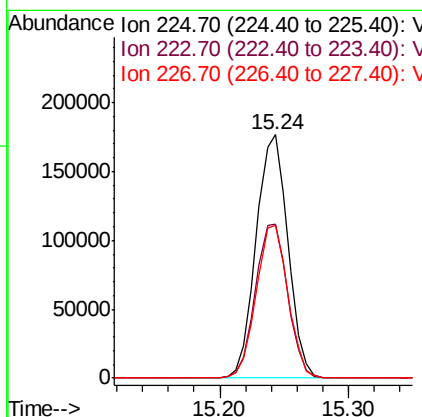
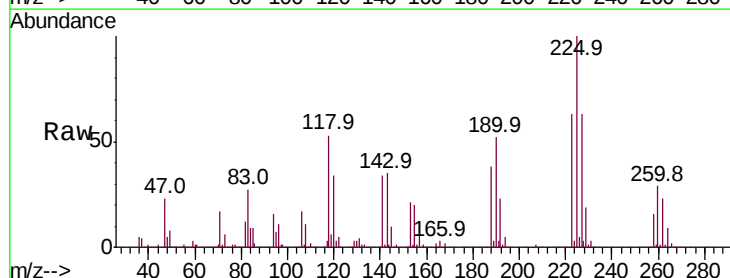
Manual Integrations
 APPROVED

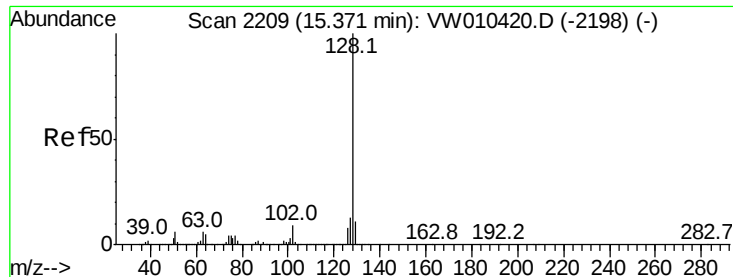
MMDadoda
 5/20/2019 12:16:05 PM



#94
 Hexachlorobutadiene
 Concen: 49.618 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	300577		
223	64.1	32.0	96.2	
227	62.7	31.4	94.0	





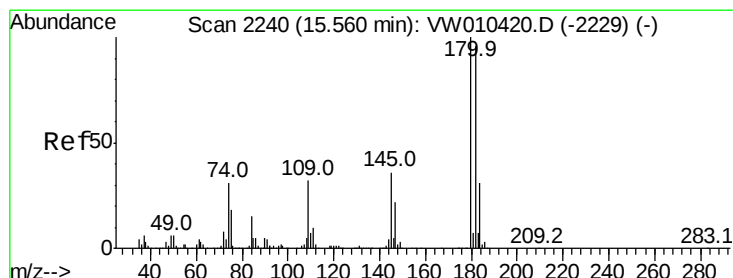
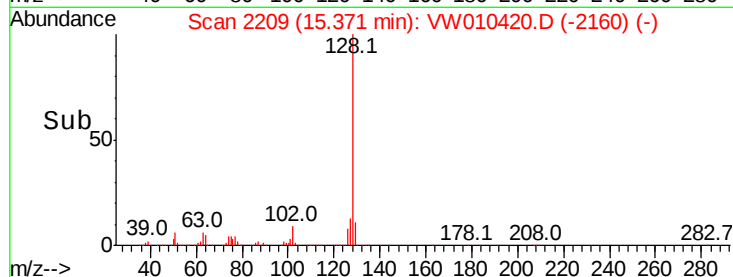
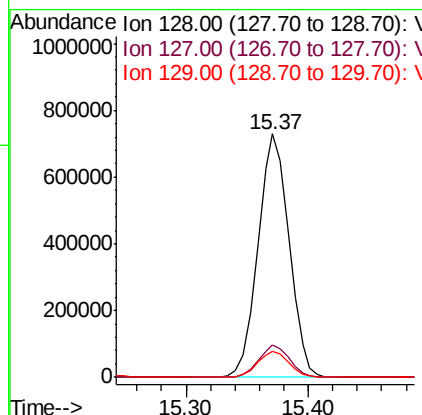
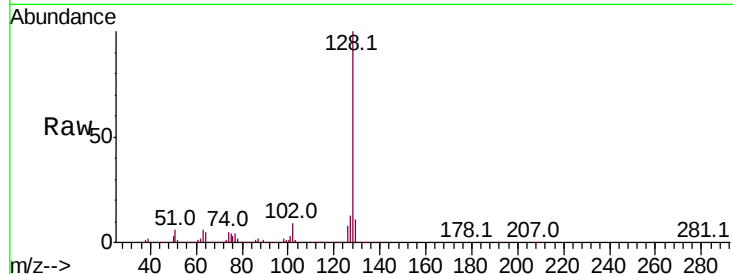
#95
Naphthalene
Concen: 48.779 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:16:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.662 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.9
145	35.7	17.8	53.5

