

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052119\
 Data File : VW010477.D
 Acq On : 21 May 2019 10:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:55:00 AM

Quant Time: May 22 06:49:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	153125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	266263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	77142	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	81668	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.32	98	316659	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.62	95	118202	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	71347	52.314	ug/l	99
3) Chloromethane	2.21	50	82270	51.136	ug/l	99
4) Vinyl Chloride	2.35	62	89614	48.088	ug/l	99
5) Bromomethane	2.77	94	75456	58.856	ug/l	98
6) Chloroethane	2.92	64	59592	49.814	ug/l	100
7) Trichlorofluoromethane	3.26	101	144138	52.389	ug/l	97
8) Diethyl Ether	3.68	74	41182	47.219	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	88406	52.177	ug/l	99
10) Methyl Iodide	4.27	142	95855	49.496	ug/l	99
11) Tert butyl alcohol	5.19	59	25202	177.272	ug/l	99
12) 1,1-Dichloroethene	4.04	96	83629	51.706	ug/l	98
13) Acrolein	3.90	56	18406	219.466	ug/l	99
14) Allyl chloride	4.67	41	119324	50.967	ug/l	98
15) Acrylonitrile	5.37	53	75928	207.878	ug/l	99
16) Acetone	4.14	43	69887	216.625	ug/l	98
17) Carbon Disulfide	4.38	76	253528	52.553	ug/l	98
18) Methyl Acetate	4.68	43	31235	39.587	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	191534	46.452	ug/l	97
20) Methylene Chloride	4.92	84	83965	43.719	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	96474	52.002	ug/l	98
22) Diisopropyl ether	6.31	45	234308	48.809	ug/l	99
23) Vinyl Acetate	6.26	43	679970	237.125	ug/l	99
24) 1,1-Dichloroethane	6.21	63	148096	51.696	ug/l	99
25) 2-Butanone	7.17	43	98255	212.814	ug/l	97
26) 2,2-Dichloropropane	7.16	77	146165	53.564	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	103573	51.352	ug/l	100
28) Bromochloromethane	7.51	49	53384	52.048	ug/l	95
29) Tetrahydrofuran	7.53	42	61472	196.762	ug/l	99
30) Chloroform	7.68	83	159077	51.481	ug/l	98
31) Cyclohexane	7.95	56	146151	48.704	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	153984	52.138	ug/l	99
36) 1,1-Dichloropropene	8.08	75	128239	51.701	ug/l	100
37) Ethyl Acetate	7.25	43	43159	40.918	ug/l	99
38) Carbon Tetrachloride	8.07	117	140978	52.689	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171504	51.610	ug/l	99
40) Benzene	8.32	78	356757	51.748	ug/l	99
41) Methacrylonitrile	7.48	41	28091	44.822	ug/l	92
42) 1,2-Dichloroethane	8.40	62	96448	48.949	ug/l	100
43) Isopropyl Acetate	8.42	43	90401	42.901	ug/l	98
44) Trichloroethene	9.09	130	106041	51.811	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82258	50.239	ug/l	99
46) Dibromomethane	9.46	93	46615	48.682	ug/l	100
47) Bromodichloromethane	9.65	83	120205	49.955	ug/l	99
48) Methyl methacrylate	9.43	41	41570	43.121	ug/l	97
49) 1,4-Dioxane	9.46	88	11676	746.450	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	217862	204.035	ug/l	99
52) Toluene	10.39	92	237416	51.279	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	118699	48.706	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	141565	50.864	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66030	47.954	ug/l	99
56) Ethyl methacrylate	10.65	69	83688	44.068	ug/l	99
57) 1,3-Dichloropropane	10.93	76	109831	47.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	193262	229.761	ug/l	99
59) 2-Hexanone	10.97	43	163938	215.229	ug/l	100
60) Dibromochloromethane	11.13	129	84252	48.346	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65507	46.964	ug/l	98
64) Tetrachloroethene	10.86	164	82273	50.969	ug/l	99
65) Chlorobenzene	11.66	112	255167	51.705	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91100	51.532	ug/l	99
67) Ethyl Benzene	11.73	91	452087	51.886	ug/l	100
68) m/p-Xylenes	11.84	106	350969	102.697	ug/l	100
69) o-Xylene	12.17	106	164425	50.781	ug/l	100
70) Styrene	12.18	104	279424	50.861	ug/l	100
71) Bromoform	12.35	173	44522	45.733	ug/l #	99
73) Isopropylbenzene	12.47	105	453363	52.026	ug/l	100
74) N-amyl acetate	12.27	43	85333	42.733	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	70660	44.581	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	48987m	43.947	ug/l	
77) Bromobenzene	12.75	156	100391	51.481	ug/l	98
78) n-propylbenzene	12.80	91	520680	51.272	ug/l	100
79) 2-Chlorotoluene	12.90	91	298789	50.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	377681	51.174	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	24024	44.980	ug/l	100
82) 4-Chlorotoluene	12.99	91	310201	50.746	ug/l	100
83) tert-Butylbenzene	13.21	119	335798	52.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	369188	50.226	ug/l	100
85) sec-Butylbenzene	13.38	105	456912	50.645	ug/l	100
86) p-Isopropyltoluene	13.50	119	409668	50.168	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	190253	49.728	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193845	50.499	ug/l	99
89) n-Butylbenzene	13.83	91	387934	49.945	ug/l	99
90) Hexachloroethane	14.10	117	81837	51.776	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	171772	49.275	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12033	40.829	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	111649	47.073	ug/l	99
94) Hexachlorobutadiene	15.24	225	61915	48.864	ug/l	98
95) Naphthalene	15.37	128	214526	43.088	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	94005	46.061	ug/l	98

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

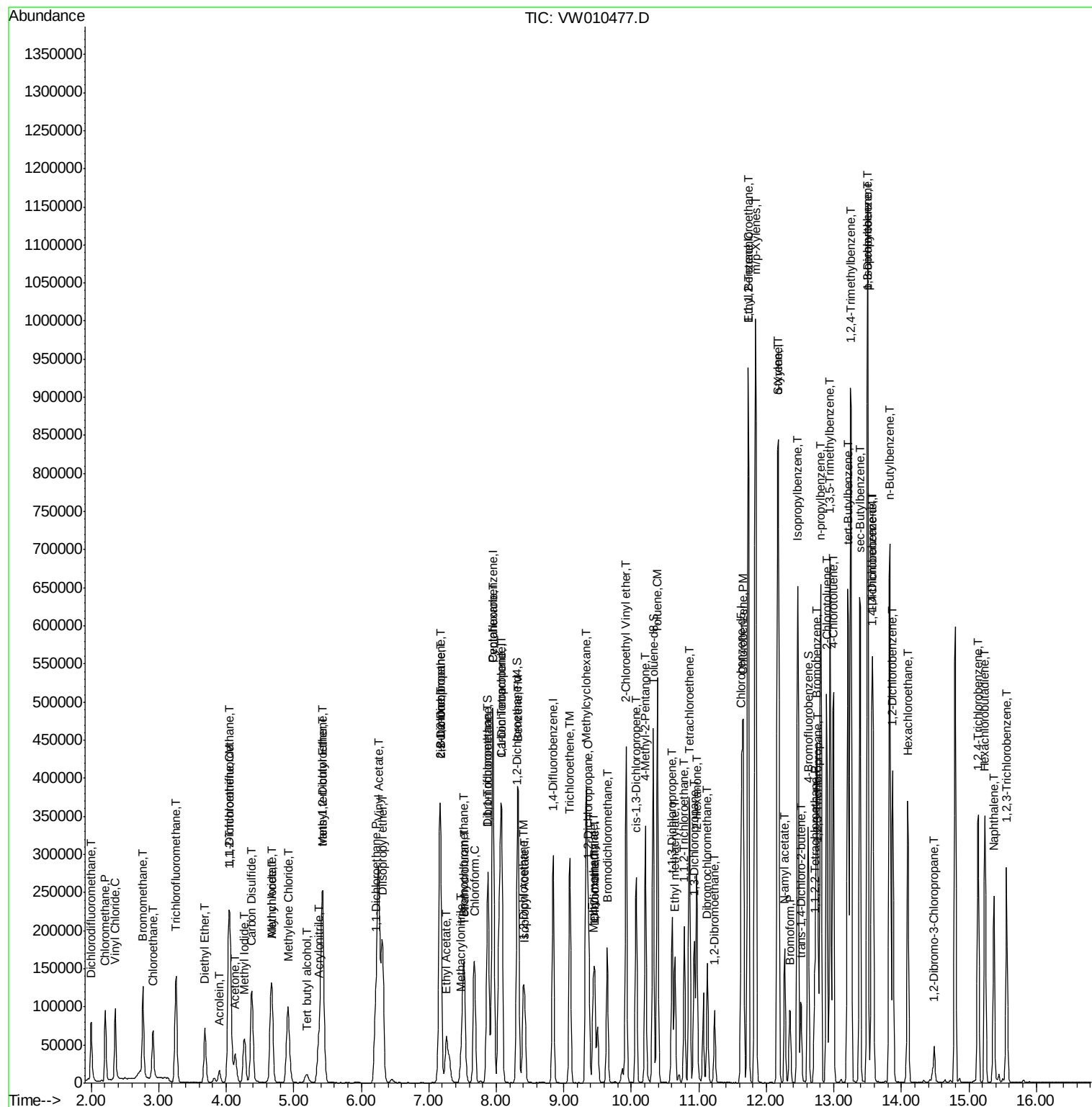
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052119\
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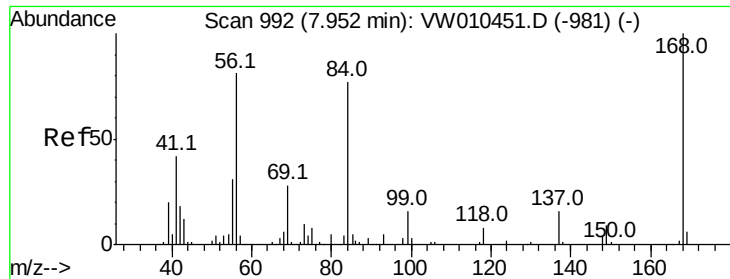
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 153125

Ion Ratio Lower Upper

168 100

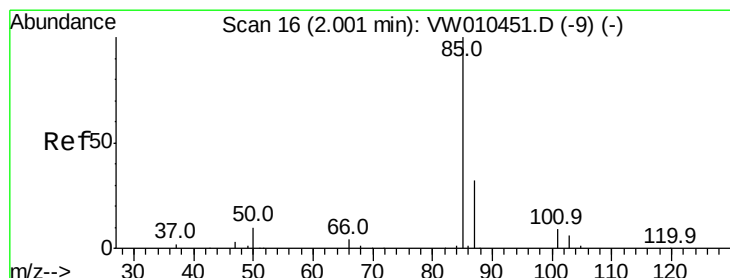
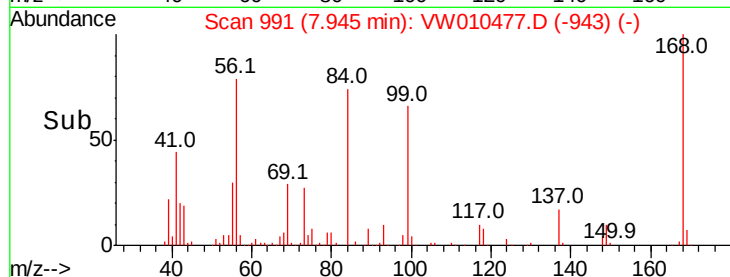
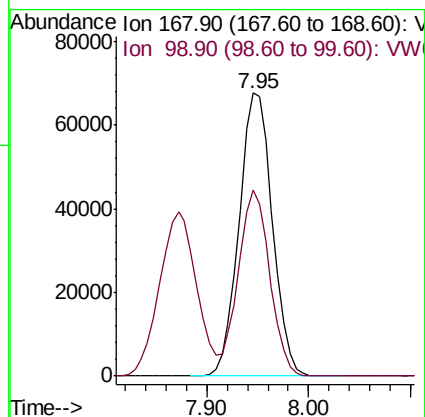
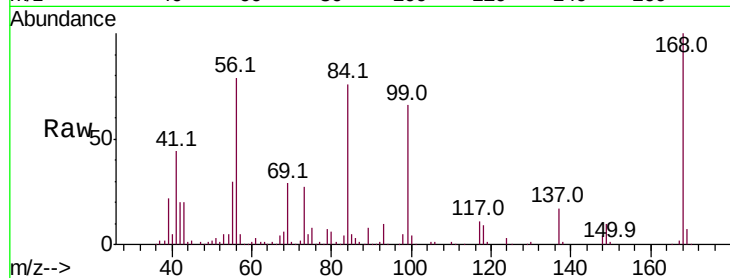
99 65.5 46.1 69.1

Manual Integrations

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5/22/2019 11:55:00 AM



#2

Dichlorodifluoromethane

Concen: 52.314 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010477.D

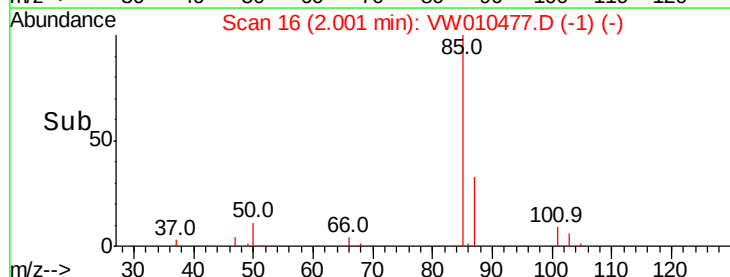
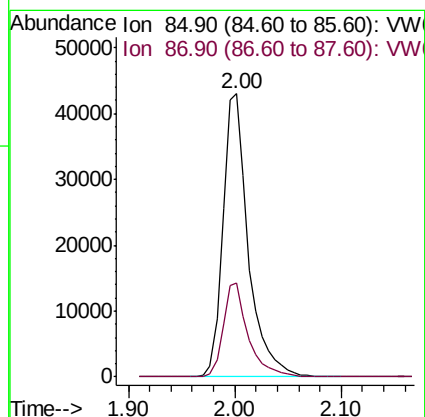
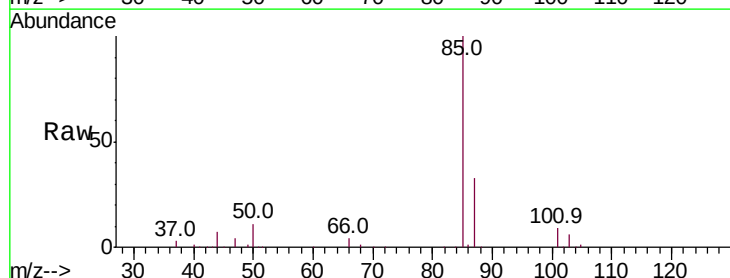
Acq: 21 May 2019 10:18

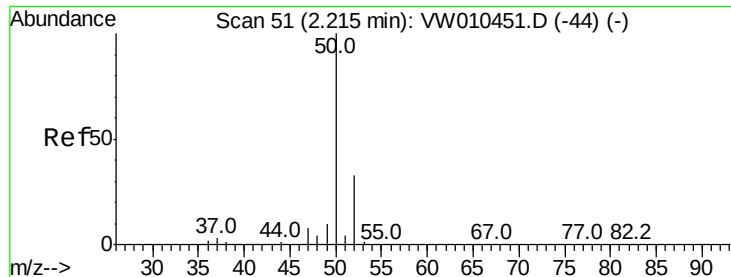
Tgt Ion: 85 Resp: 71347

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8





#3

Chloromethane

Concen: 51.136 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 82270

Ion Ratio Lower Upper

50 100

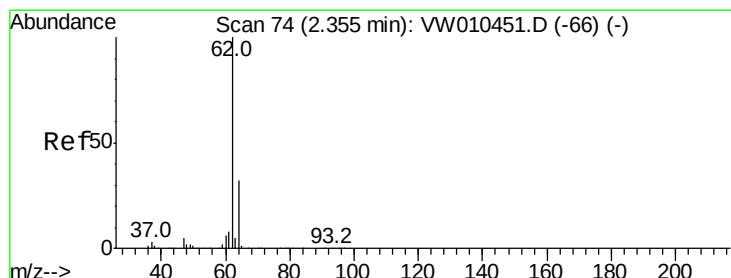
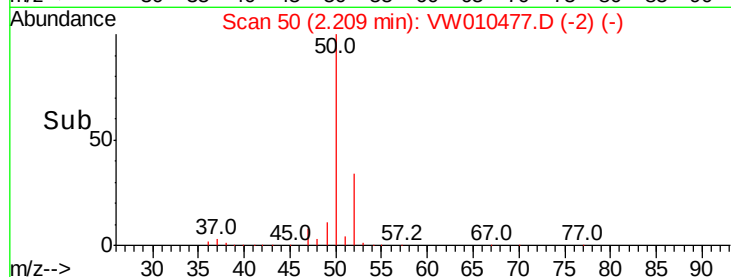
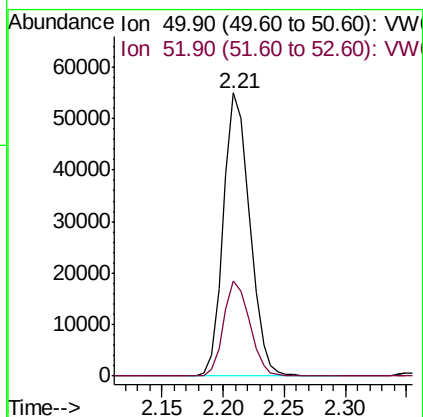
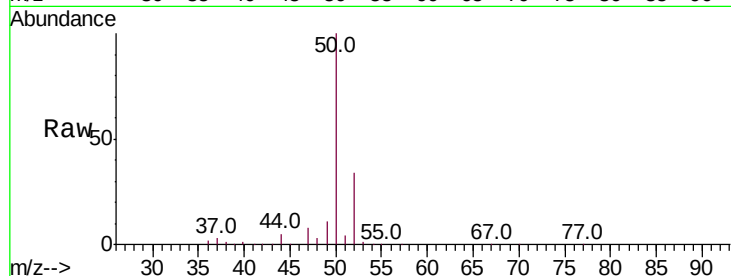
52 33.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.088 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010477.D

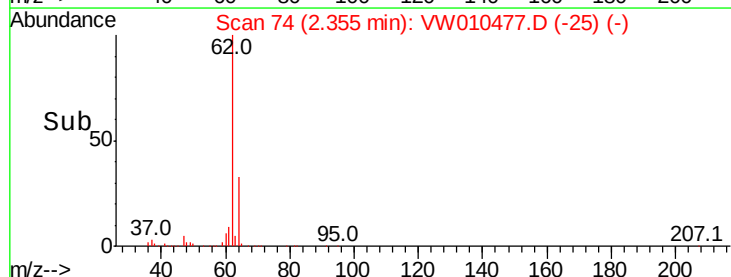
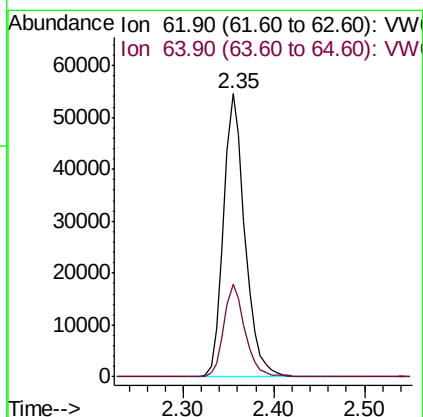
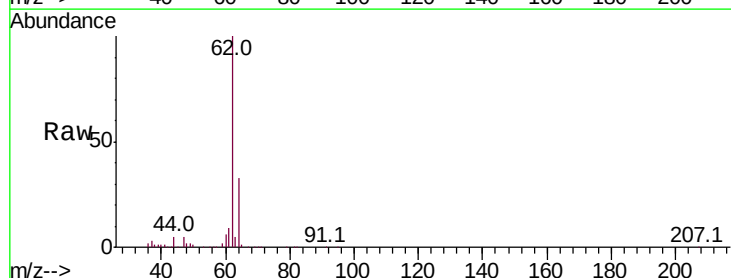
Acq: 21 May 2019 10:18

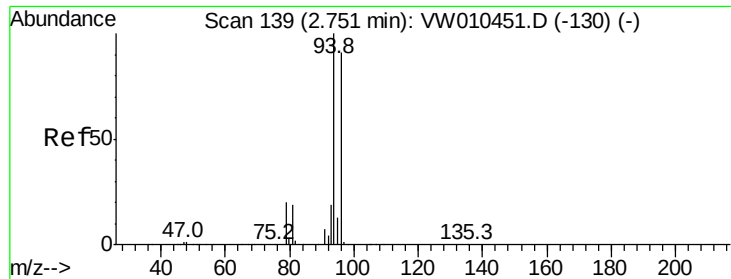
Tgt Ion: 62 Resp: 89614

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 58.856 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.02 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

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Tot Ion: 94 Resp: 75456

Ion Ratio Lower Upper

94 100

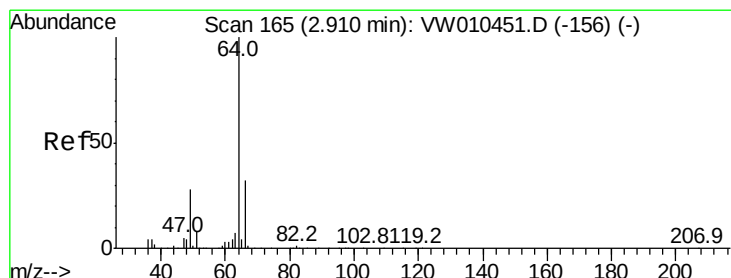
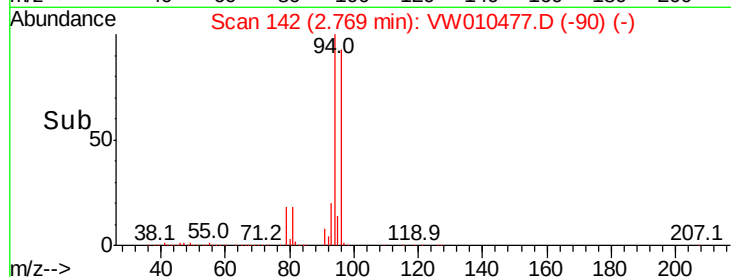
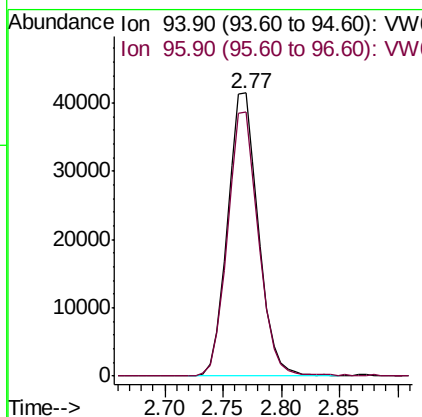
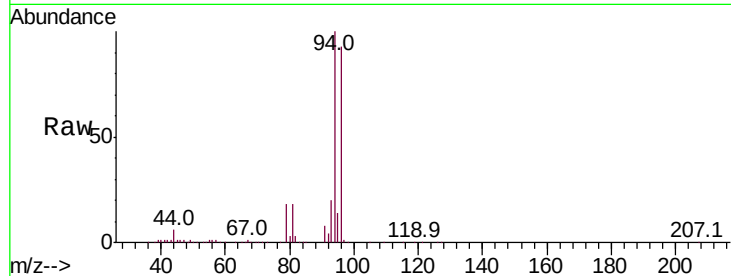
96 93.3 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 49.814 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010477.D

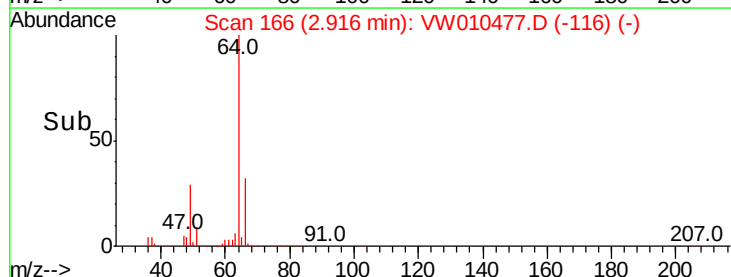
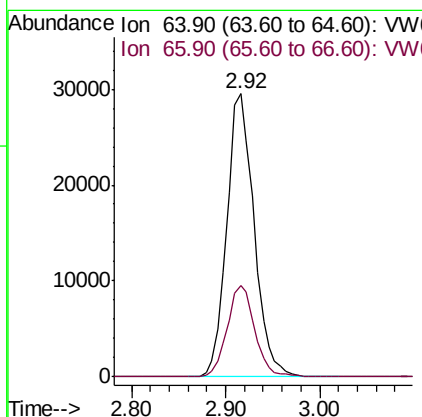
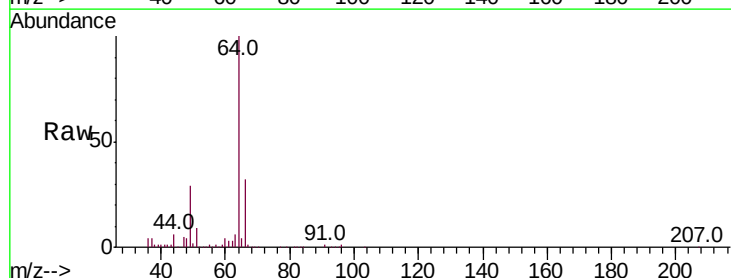
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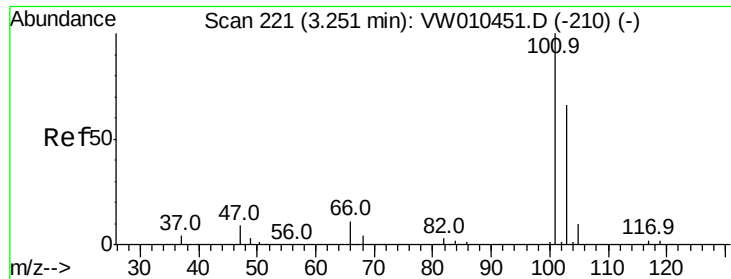
Tgt Ion: 64 Resp: 59592

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

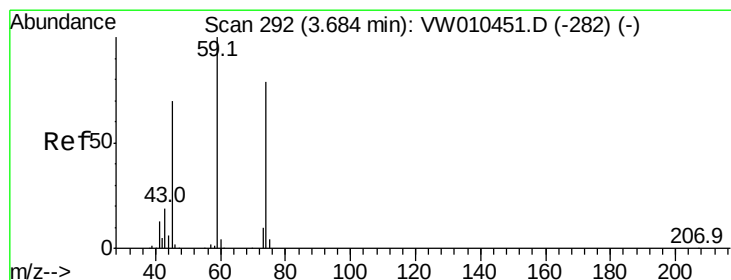
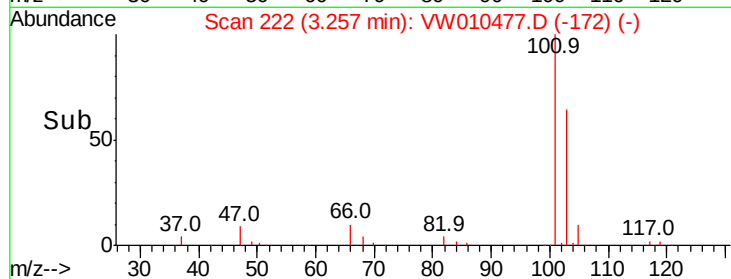
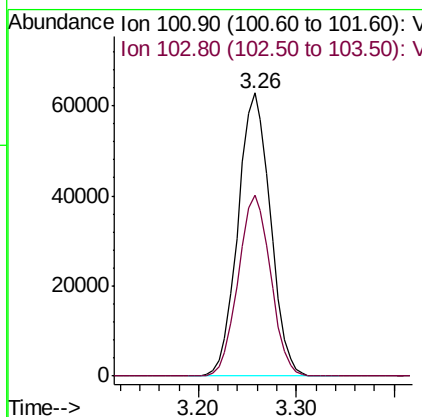
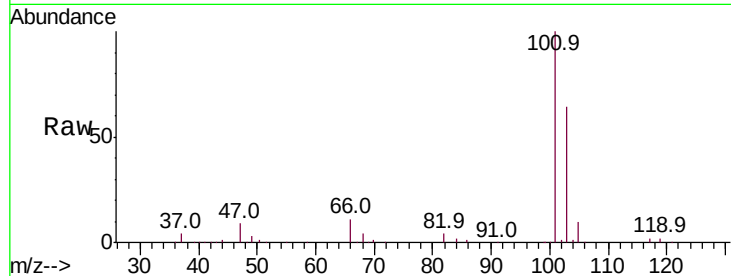
Trichlorofluoromethane
 Concen: 52.389 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

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Tot Ion:101 Resp: 144138
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.0 79.4

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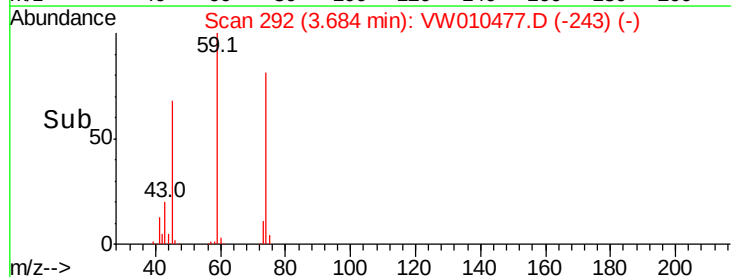
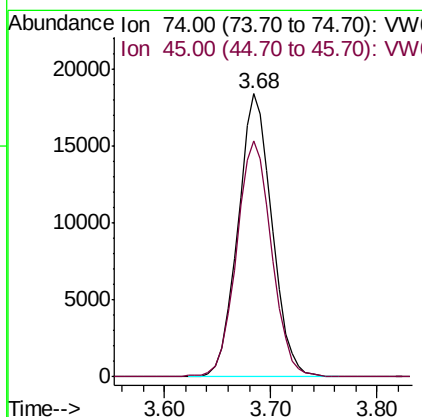
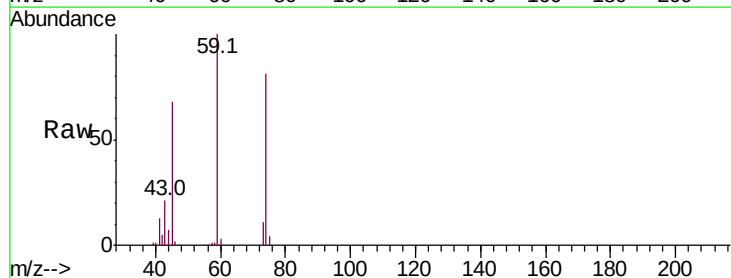
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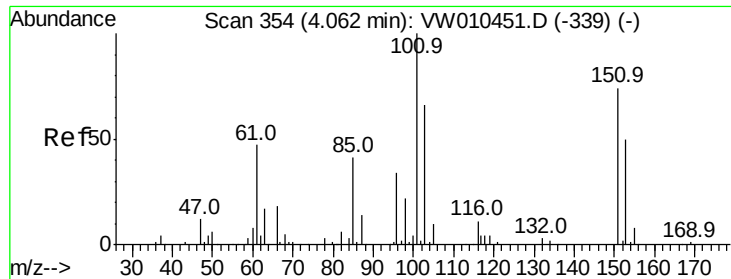


#8

Diethyl Ether
 Concen: 47.219 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 74 Resp: 41182
 Ion Ratio Lower Upper
 74 100
 45 86.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.177 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010477.D

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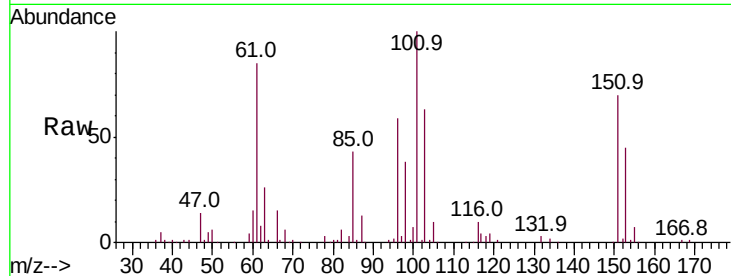
ClientSampleId :

VSTDCCC050

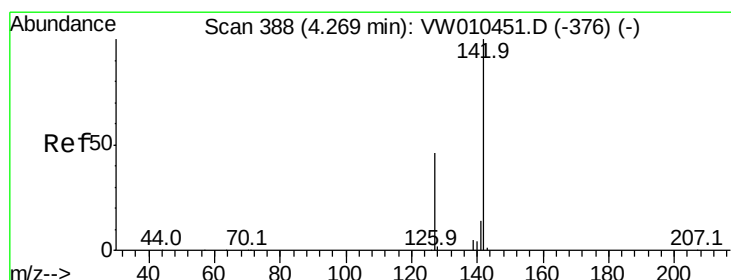
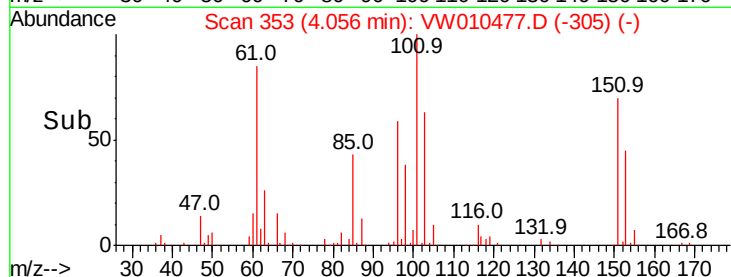
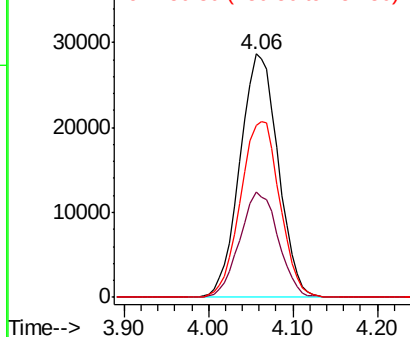
Tot Ion:	101	Resp:	88406
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.3	51.5
151	74.0	60.3	90.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.496 ug/l

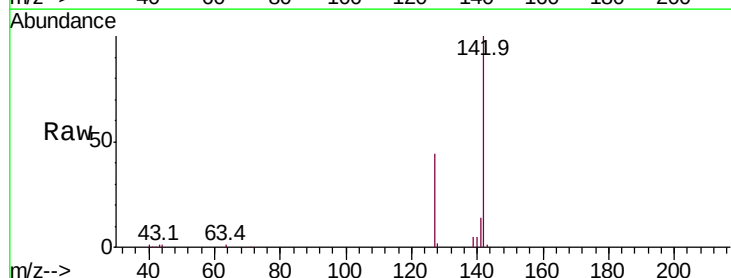
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

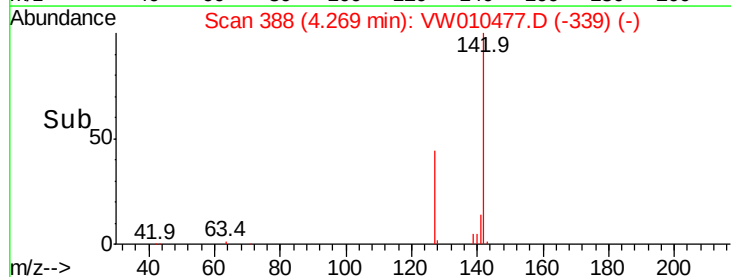
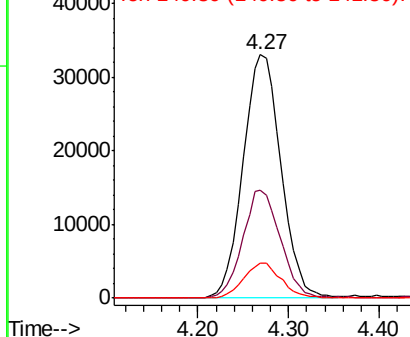
Lab File: VW010477.D

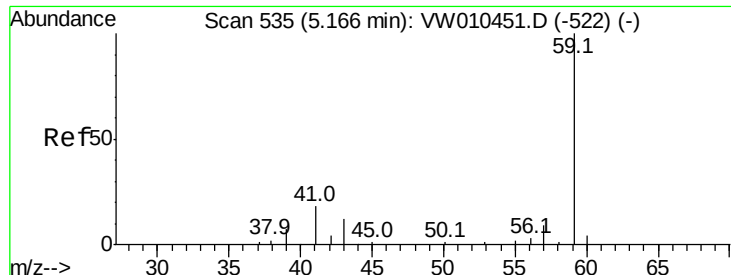
Acq: 21 May 2019 10:18

Tgt Ion:	142	Resp:	95855
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.1	54.1
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





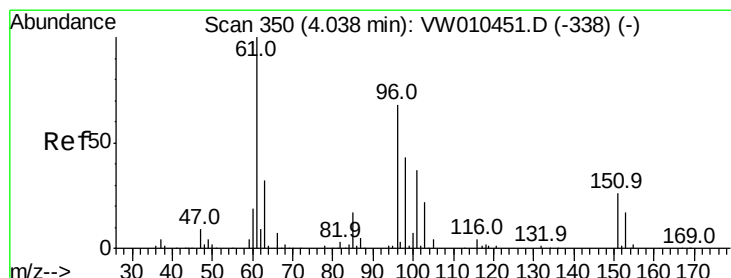
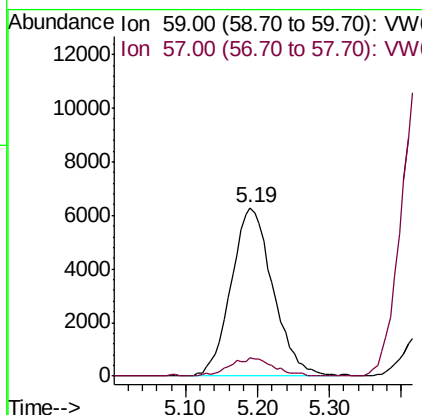
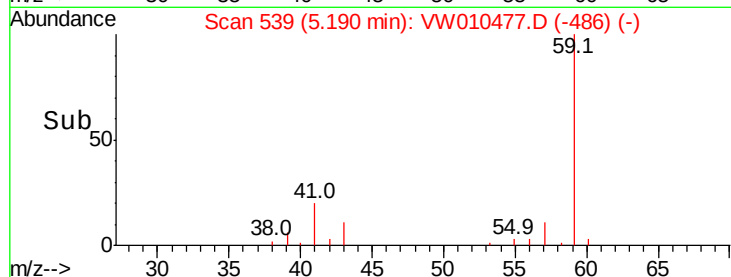
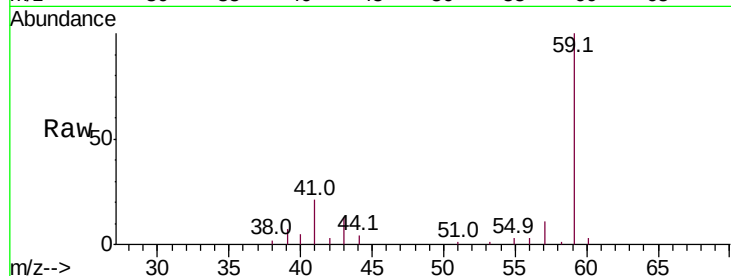
#11
Tert butyl alcohol
Concen: 177.272 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 25202
Ion Ratio Lower Upper
59 100
57 11.5 8.8 13.2

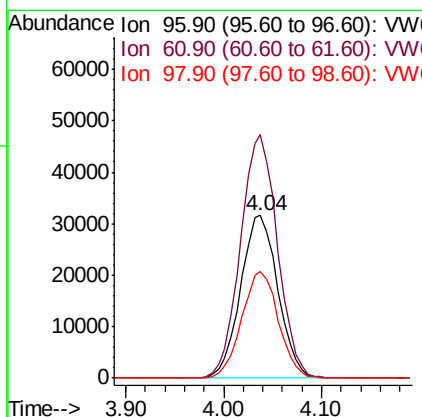
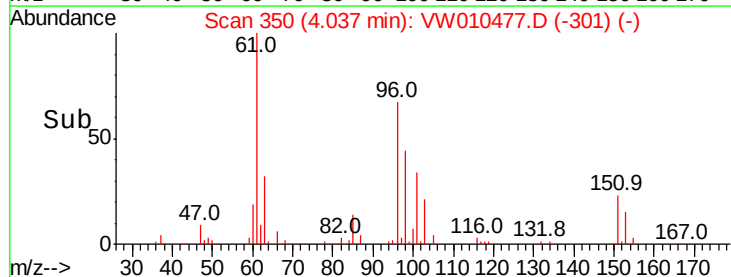
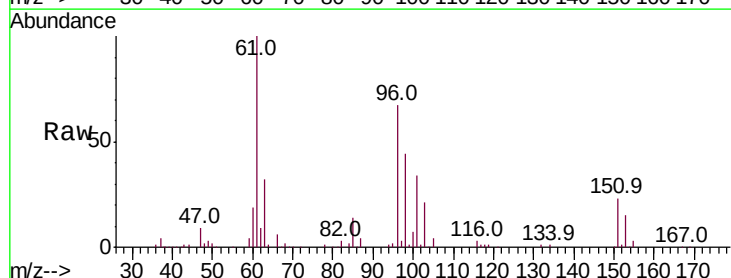
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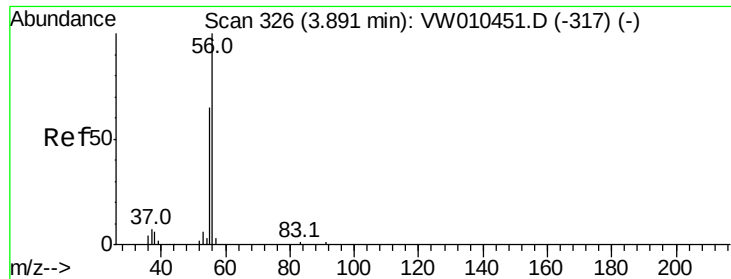
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.706 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 96 Resp: 83629
Ion Ratio Lower Upper
96 100
61 149.5 118.3 177.5
98 65.7 51.0 76.6





#13

Acrolein

Concen: 219.466 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 18406

Ion Ratio Lower Upper

56 100

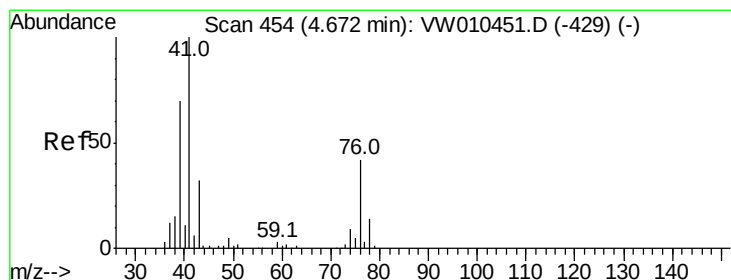
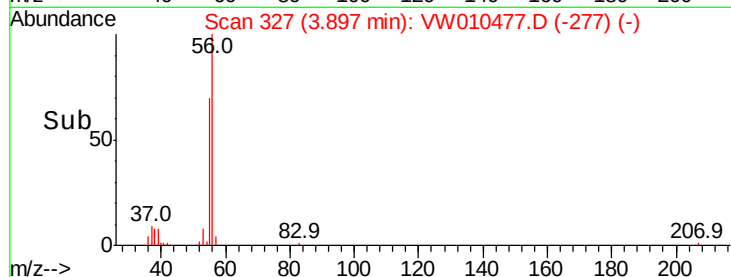
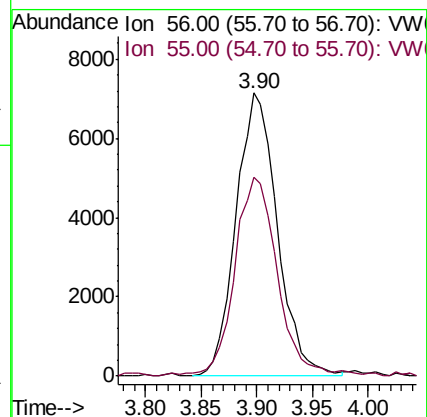
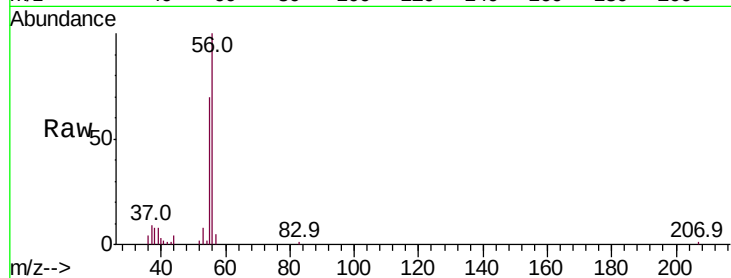
55 73.4 57.9 86.9

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#14

Allyl chloride

Concen: 50.967 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

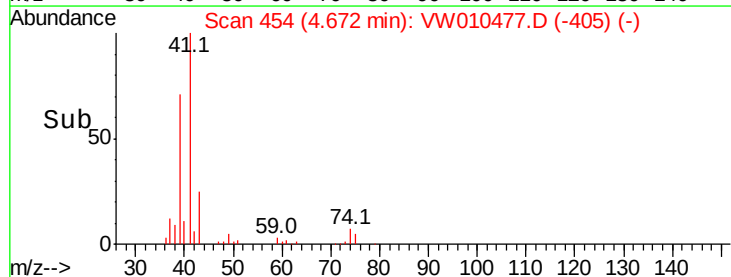
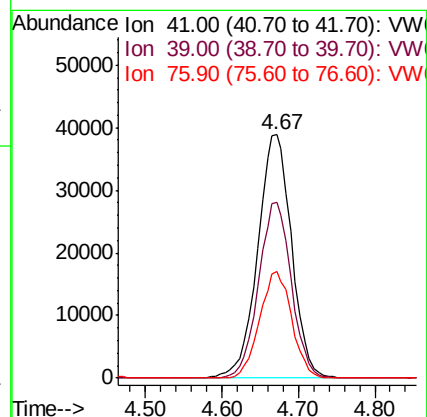
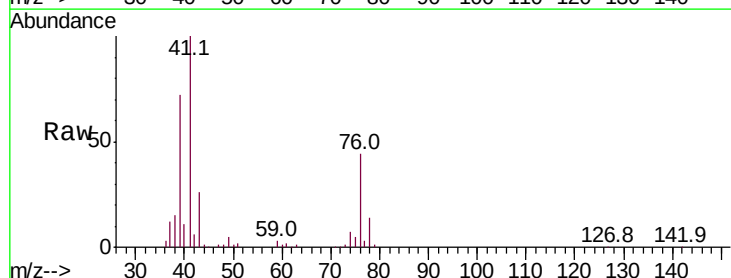
Tgt Ion: 41 Resp: 119324

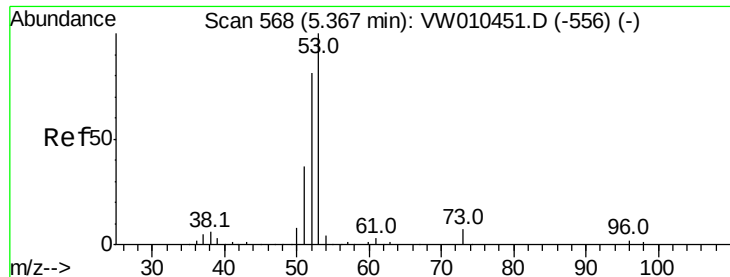
Ion Ratio Lower Upper

41 100

39 70.3 55.0 82.4

76 41.8 32.8 49.2





#15

Acrylonitrile

Concen: 207.878 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

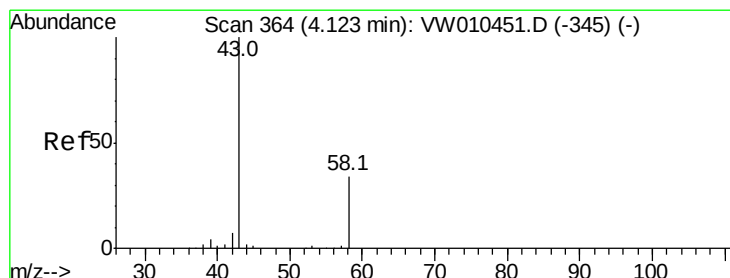
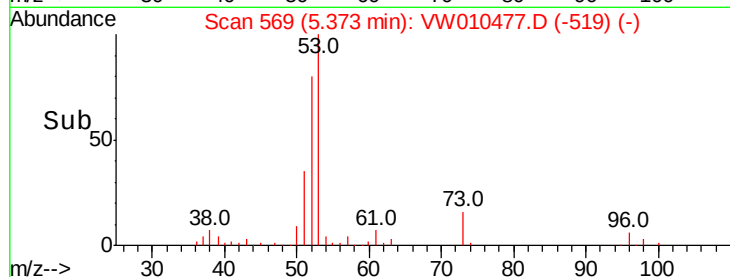
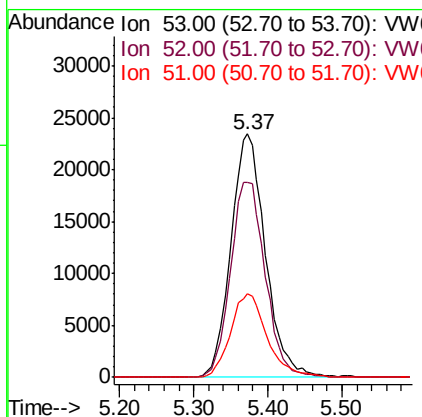
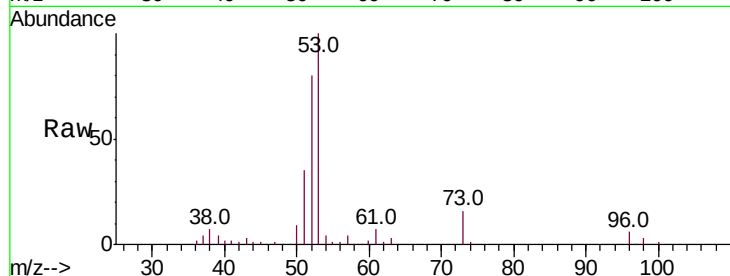
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	75928
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.6	98.4
51	36.5	29.5	44.3

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#16

Acetone

Concen: 216.625 ug/l

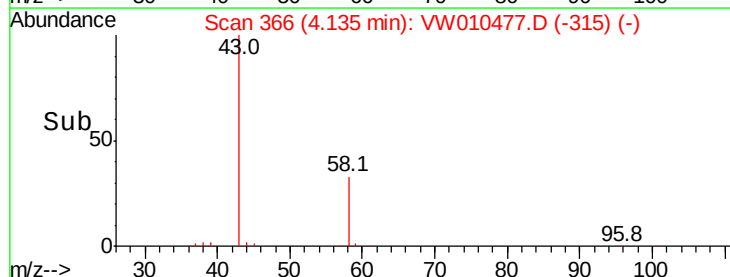
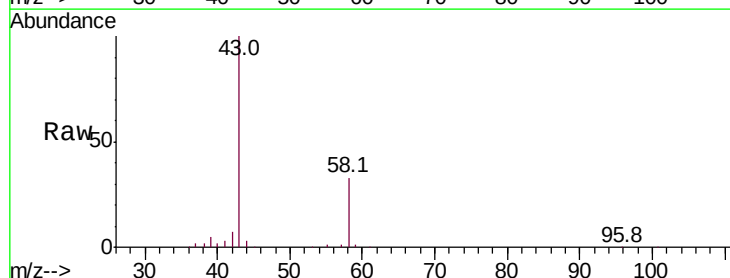
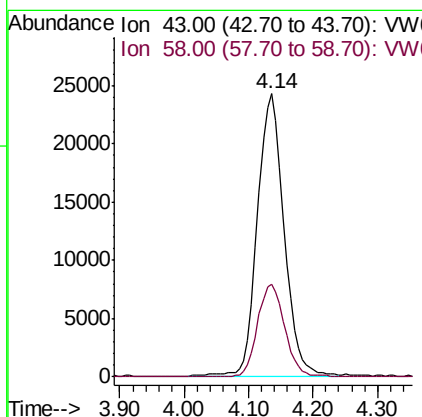
RT: 4.14 min Scan# 366

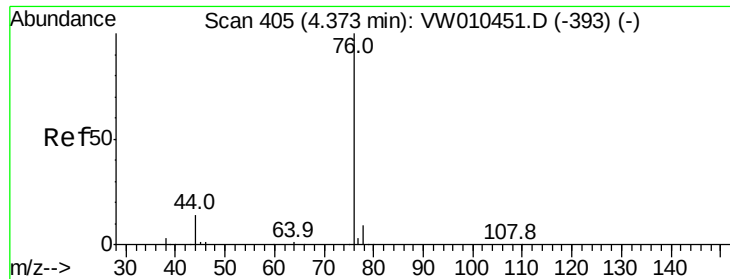
Delta R.T. 0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion:	43	Resp:	69887
Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.0	40.4





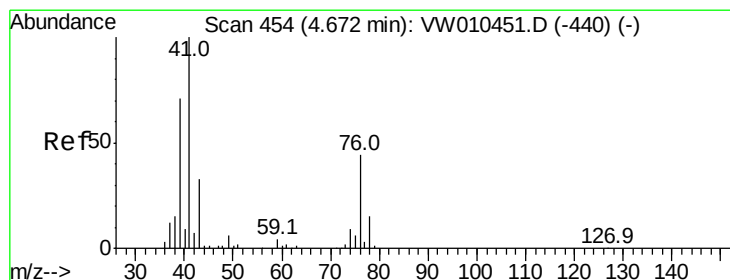
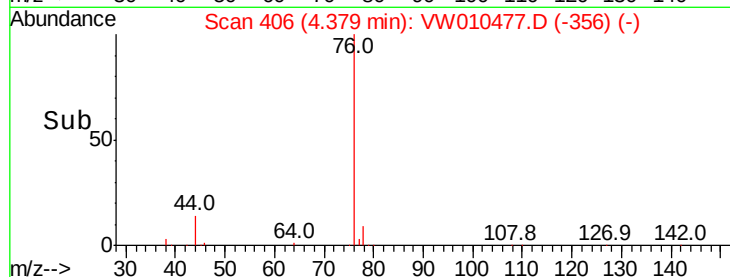
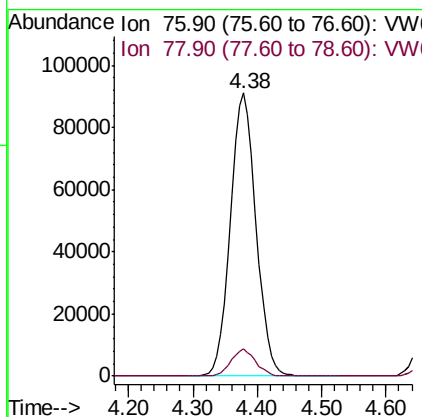
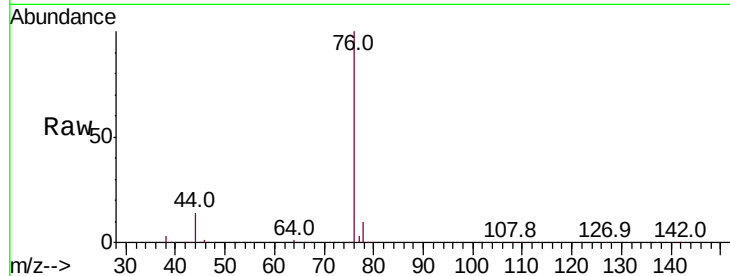
#17
Carbon Disulfide
Concen: 52.553 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

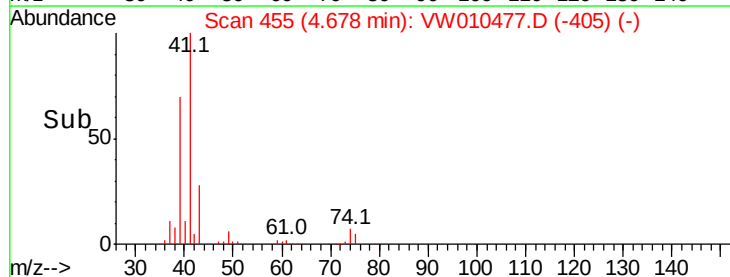
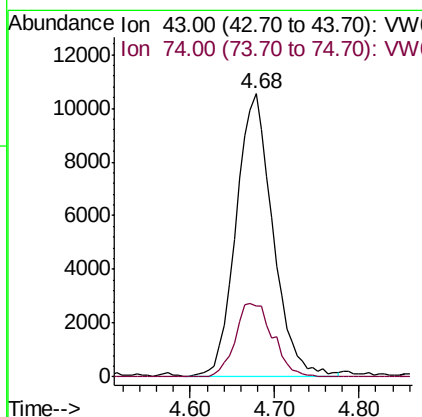
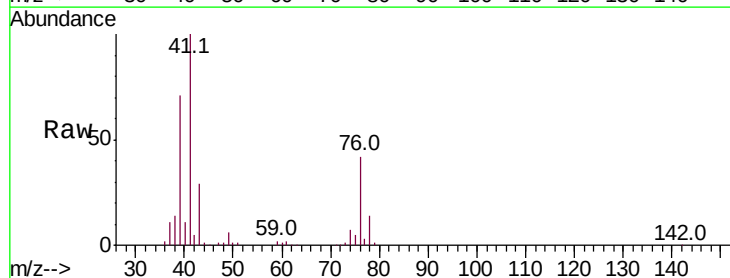
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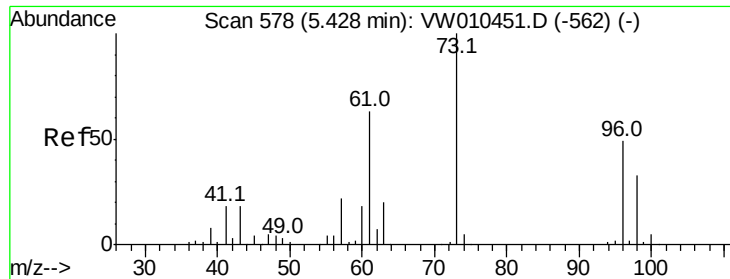
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#18
Methyl Acetate
Concen: 39.587 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.6	32.4





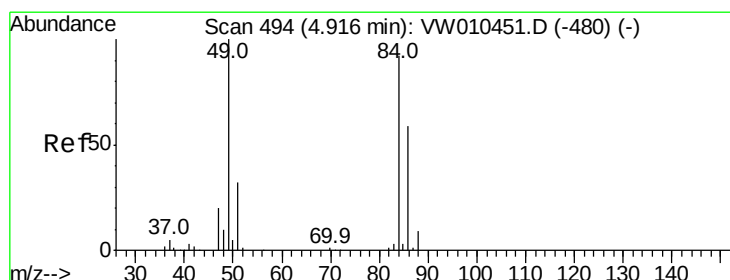
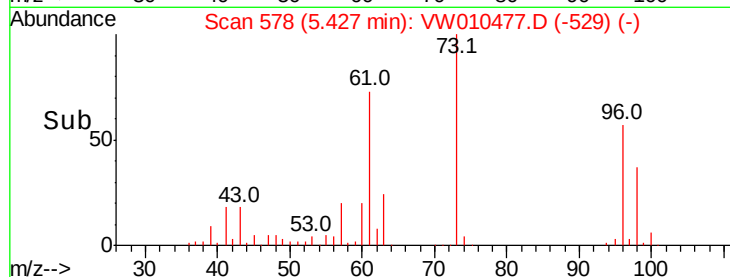
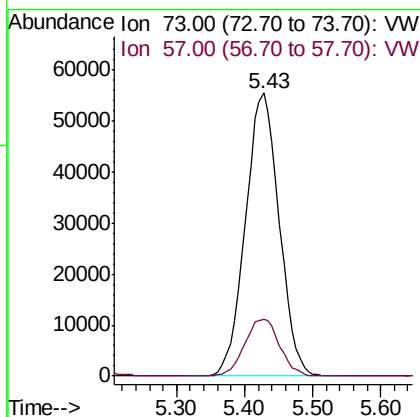
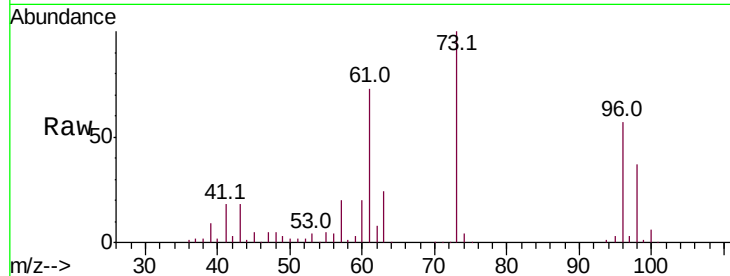
#19
Methyl tert-butyl Ether
Concen: 46.452 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0

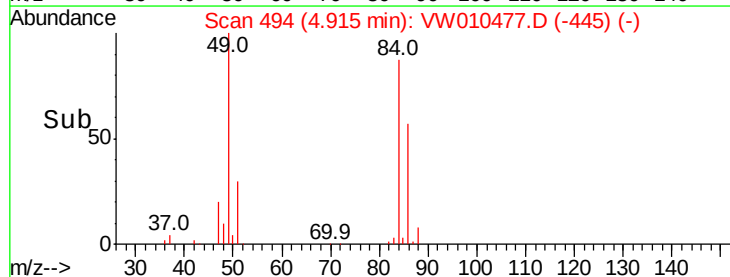
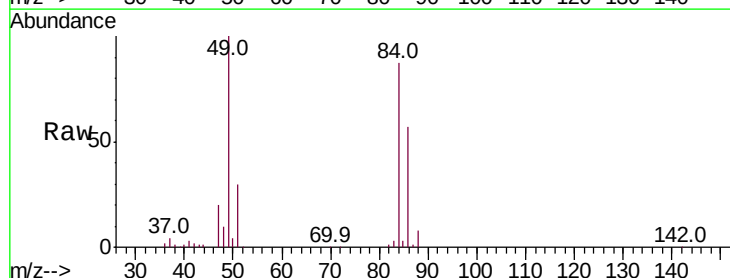
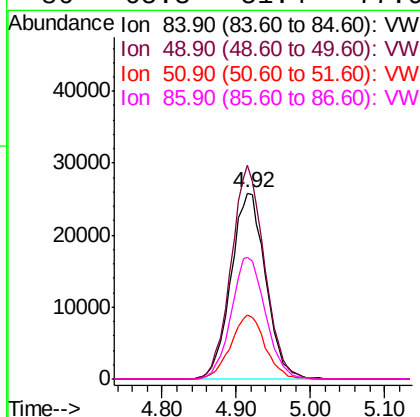
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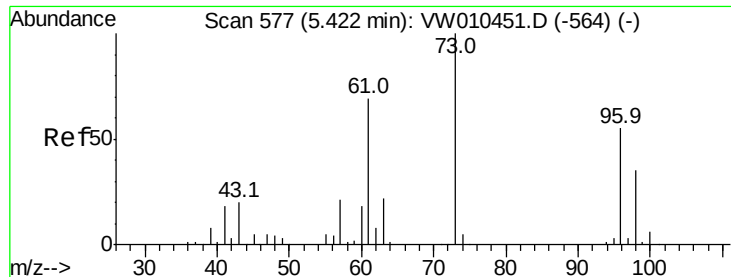
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#20
Methylene Chloride
Concen: 43.719 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.9	87.2	130.8
51	34.4	27.7	41.5
86	65.3	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 52.002 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 96474

Ion Ratio Lower Upper

96 100

61 127.6 101.4 152.0

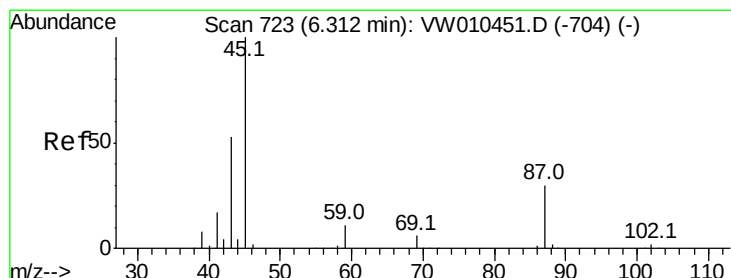
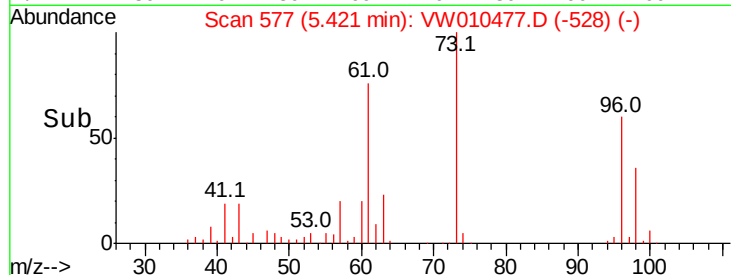
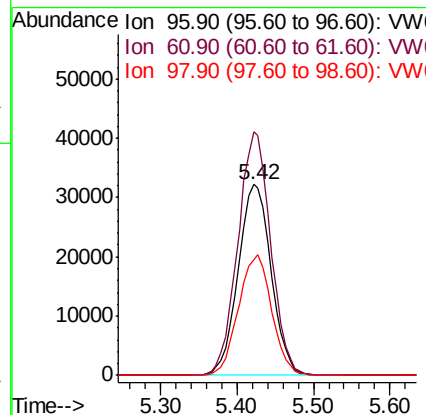
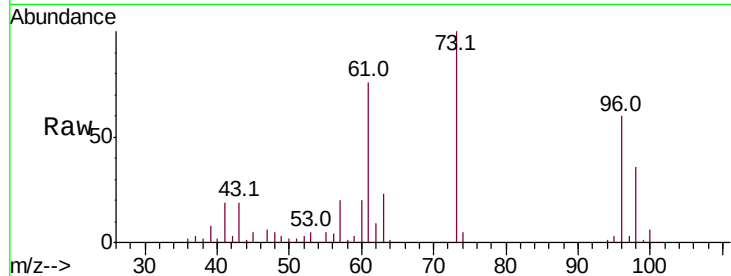
98 60.9 50.6 76.0

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#22

Diisopropyl ether

Concen: 48.809 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion: 45 Resp: 234308

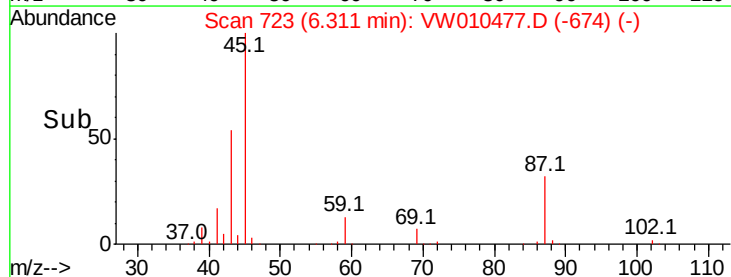
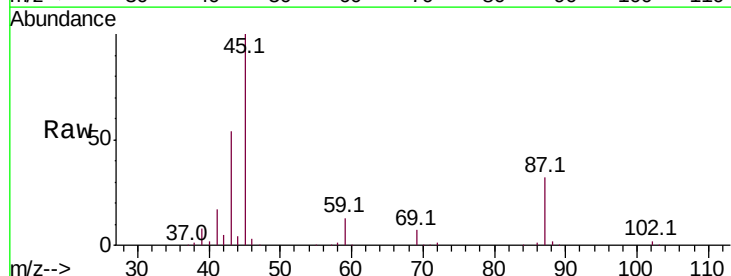
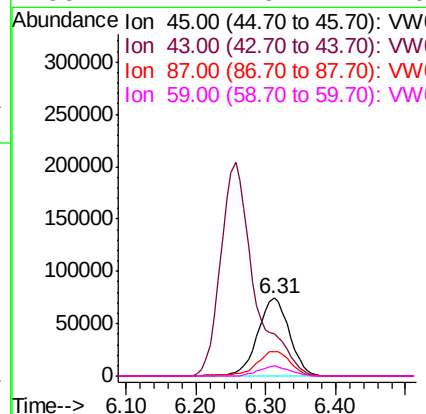
Ion Ratio Lower Upper

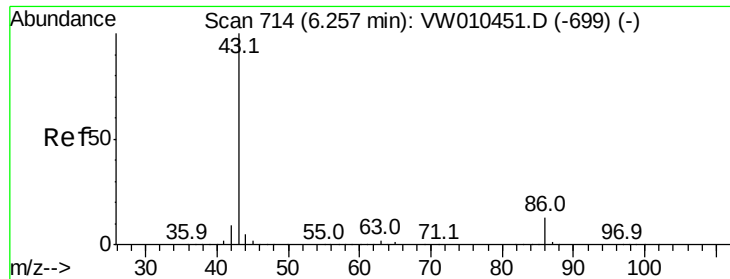
45 100

43 53.6 42.9 64.3

87 32.2 24.6 36.8

59 12.7 9.4 14.0





#23

Vinyl Acetate

Concen: 237.125 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 679970

Ion Ratio Lower Upper

43 100

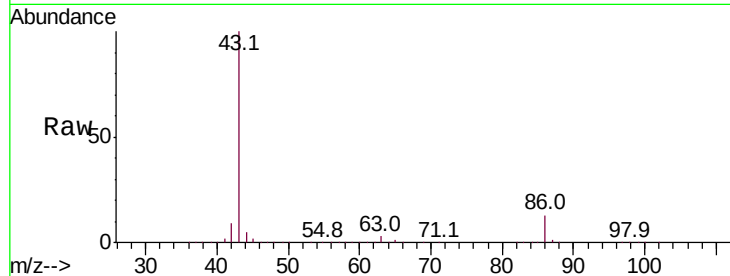
86 12.7 10.3 15.5

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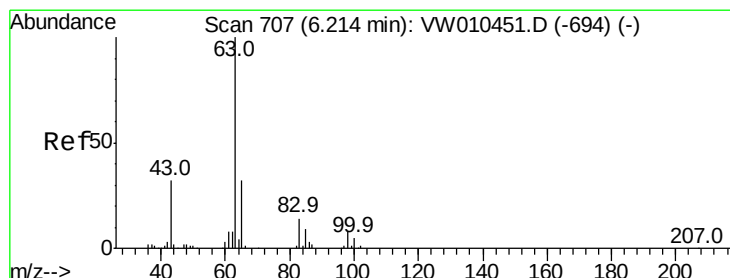
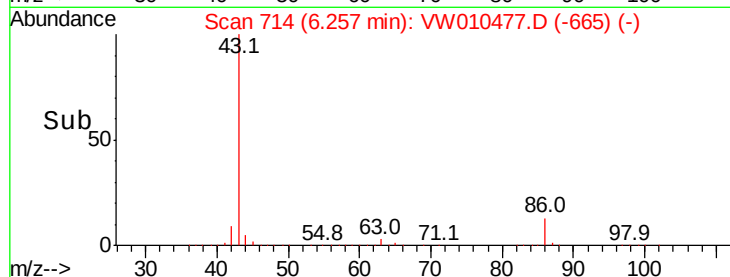
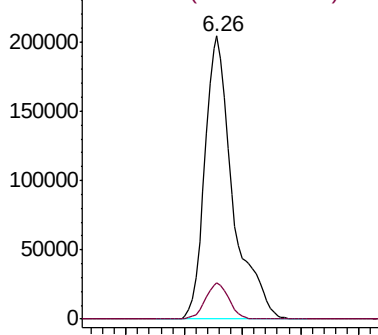
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.696 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

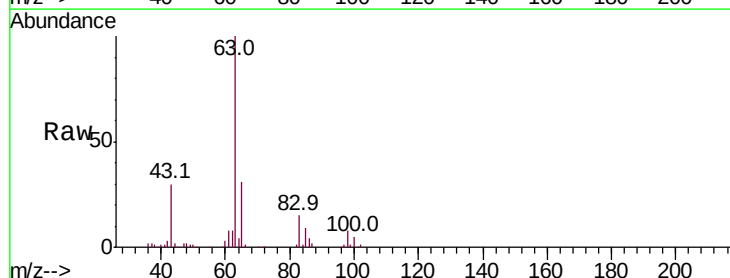
Tgt Ion: 63 Resp: 148096

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

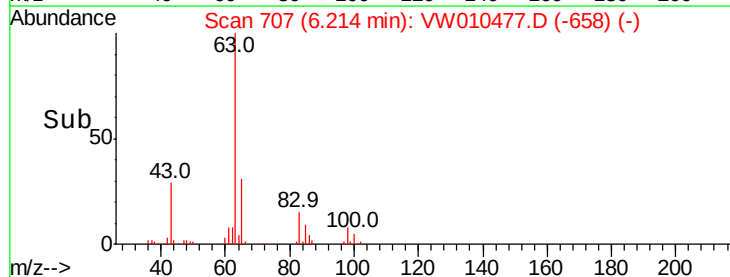
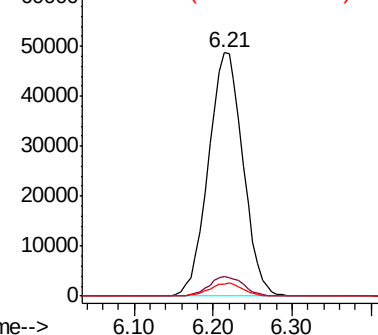
100 4.8 2.5 7.4

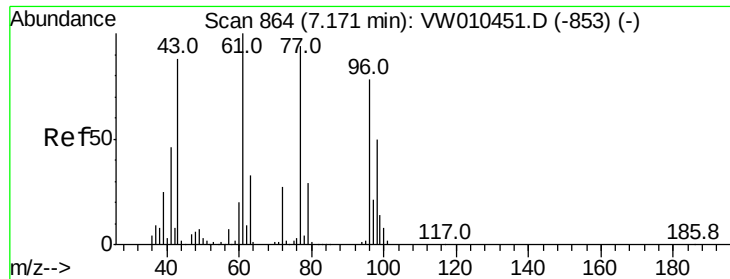


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 212.814 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 98255

Ion Ratio Lower Upper

43 100

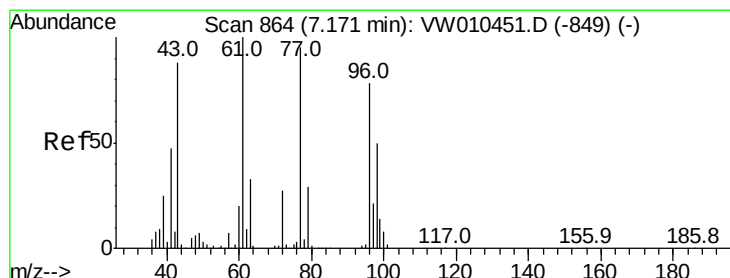
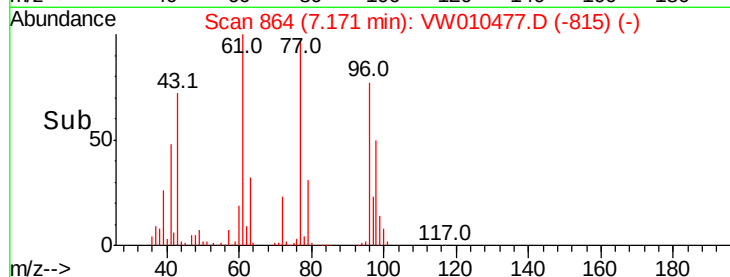
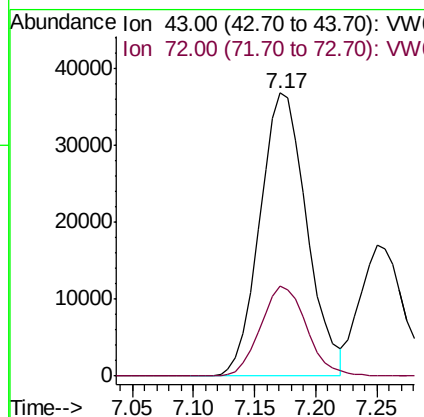
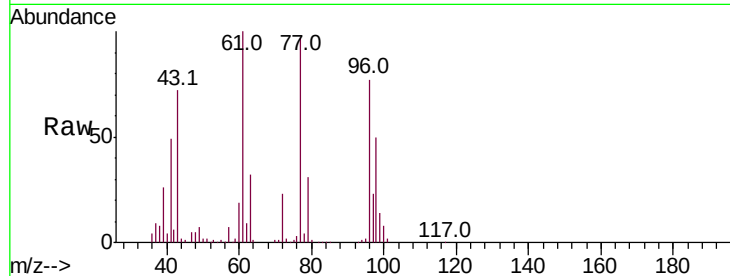
72 32.0 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.564 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010477.D

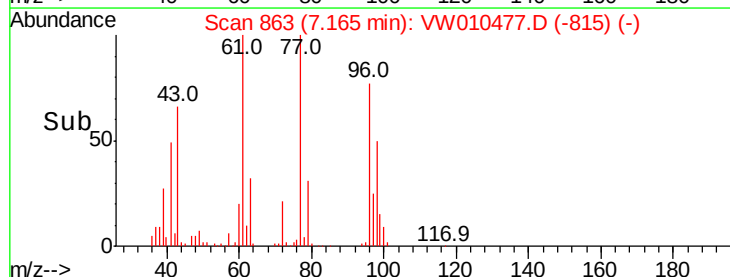
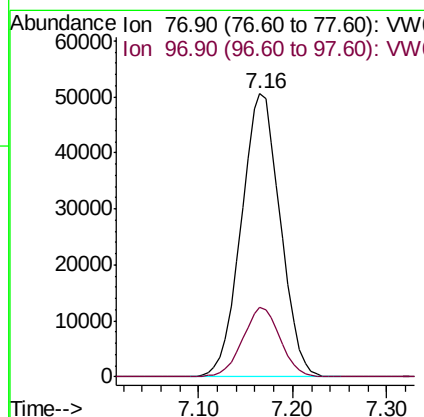
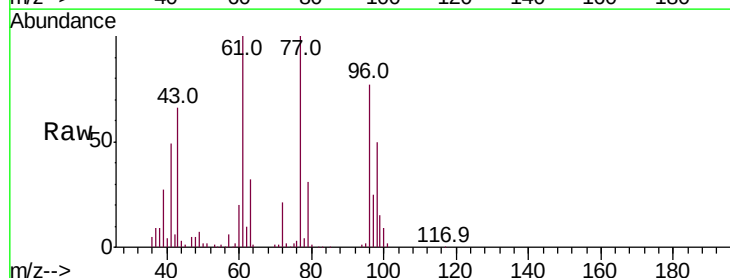
Acq: 21 May 2019 10:18

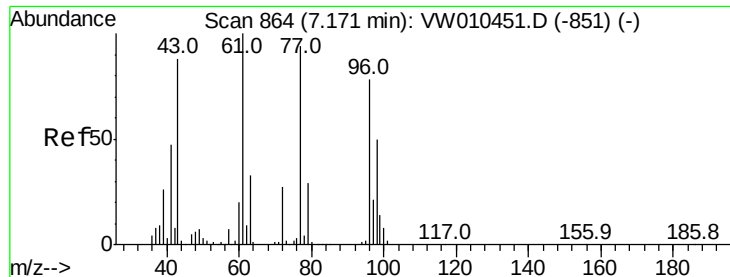
Tgt Ion: 77 Resp: 146165

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

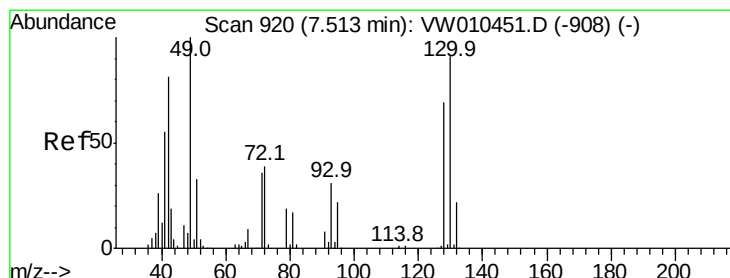
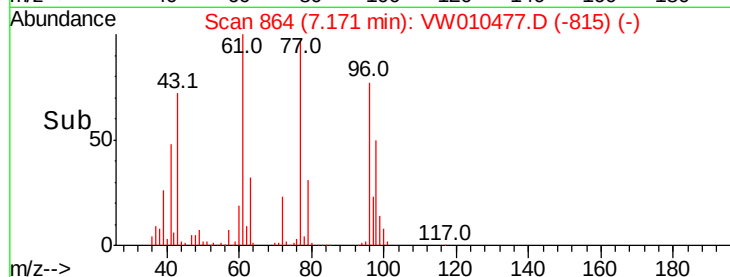
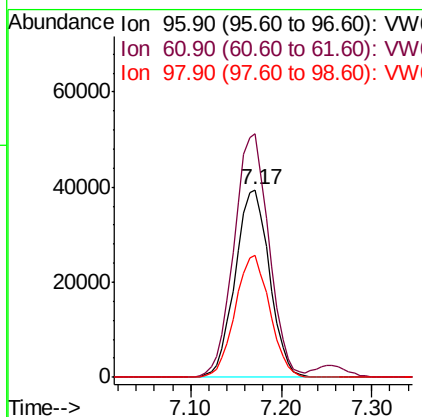
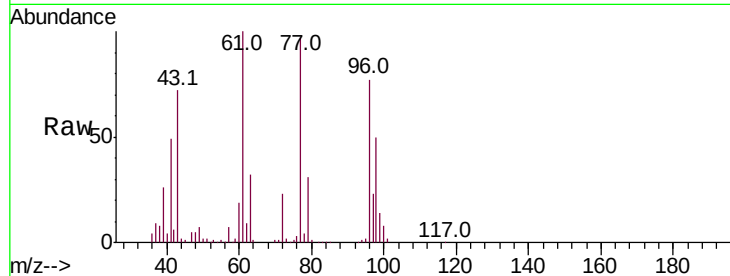
cis-1,2-Dichloroethene
Concen: 51.352 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.6	0.0	265.4	
98	65.4	0.0	129.4	

Manual Integrations
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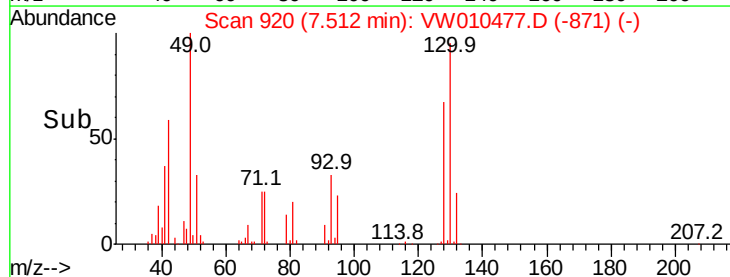
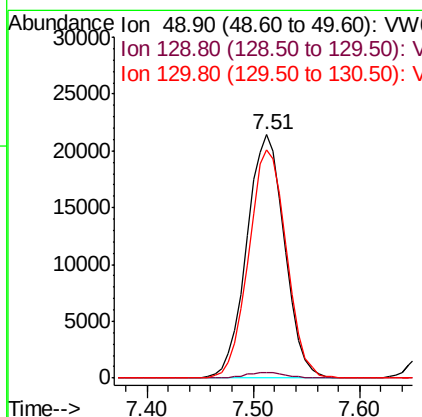
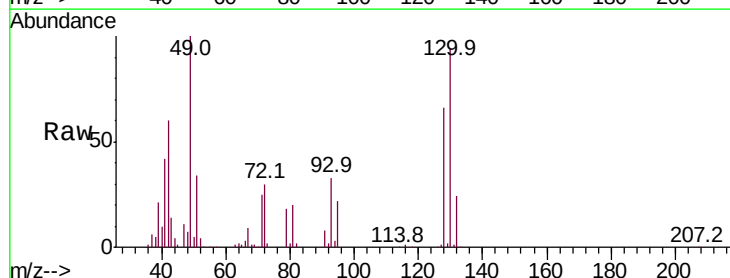
MMDadoda
5/22/2019 11:55:00 AM

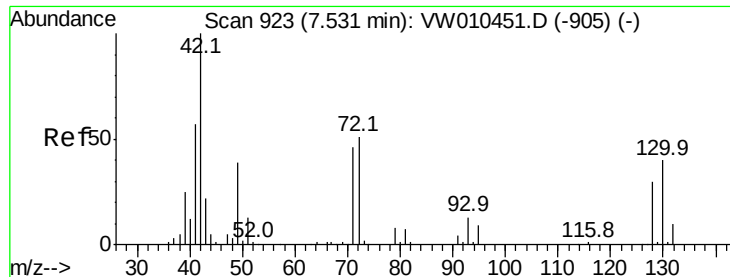


#28

Bromochloromethane
Concen: 52.048 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.8	
130	93.5	71.2	106.8	





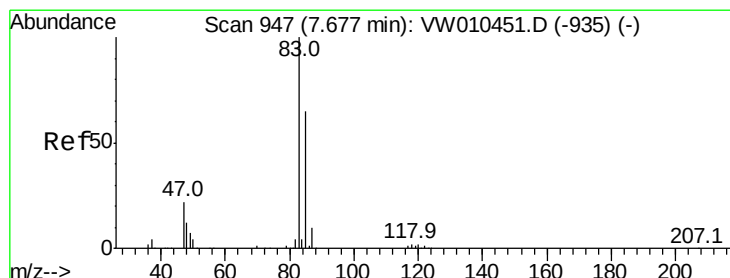
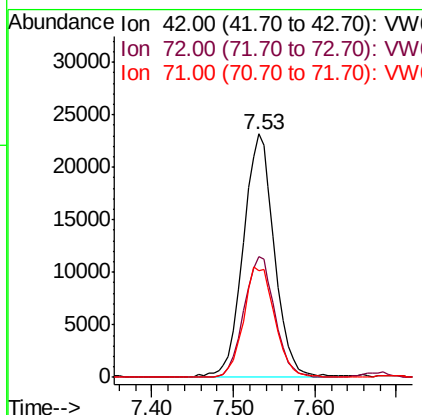
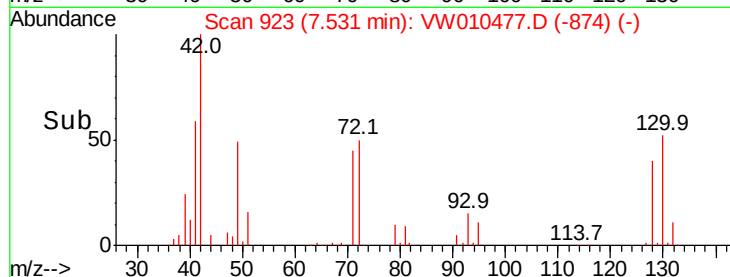
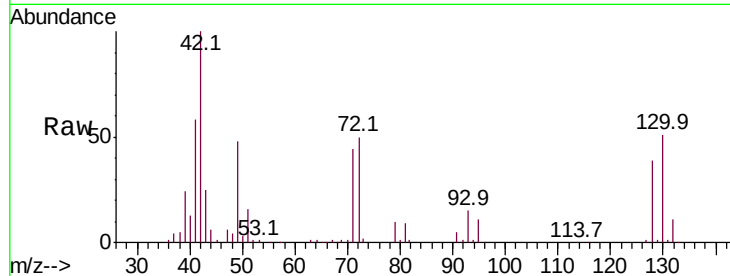
#29
Tetrahydrofuran
Concen: 196.762 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.5	57.7
71	45.8	36.5	54.7

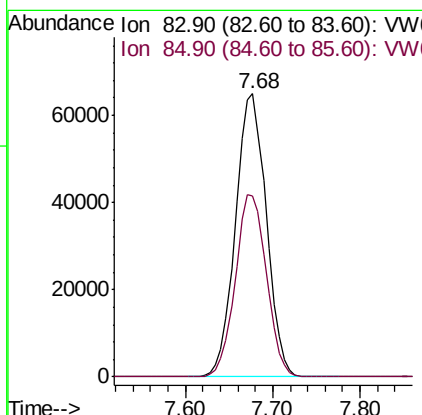
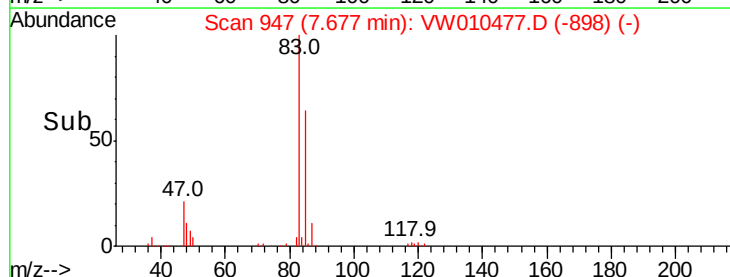
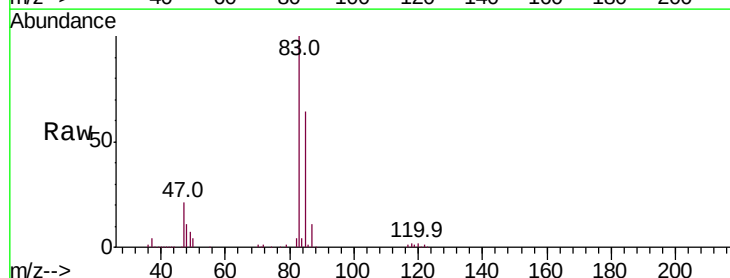
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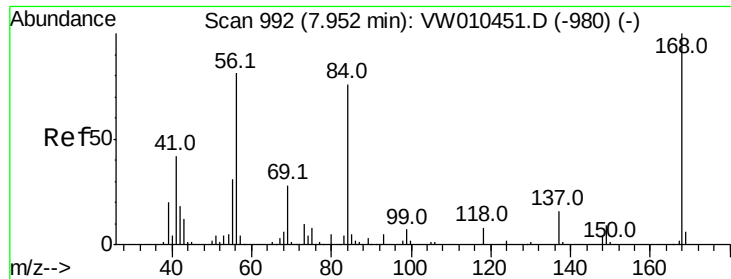
MMDadoda
5/22/2019 11:55:00 AM



#30
Chloroform
Concen: 51.481 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4





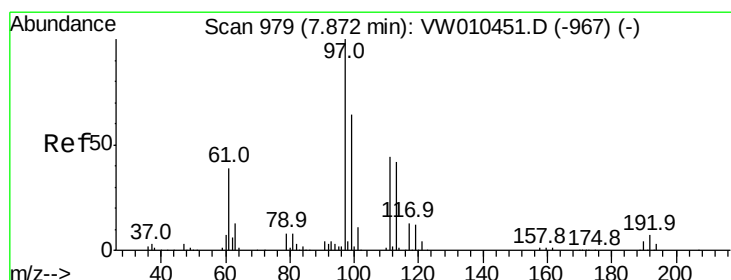
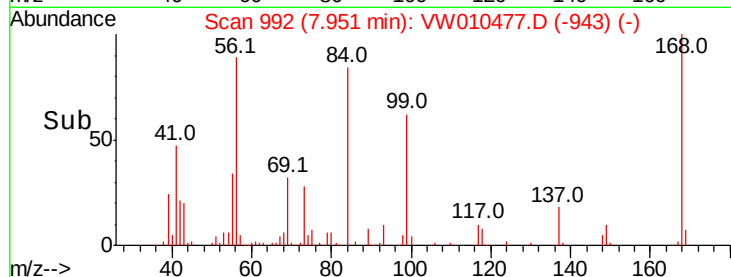
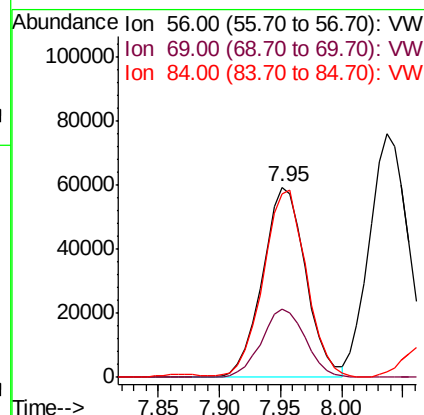
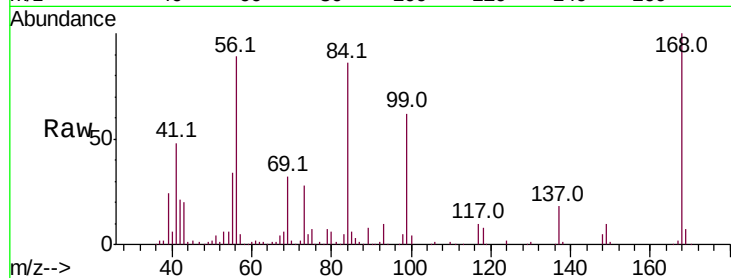
#31
Cyclohexane
Concen: 48.704 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	28.2	42.2
84	94.4	75.8	113.8

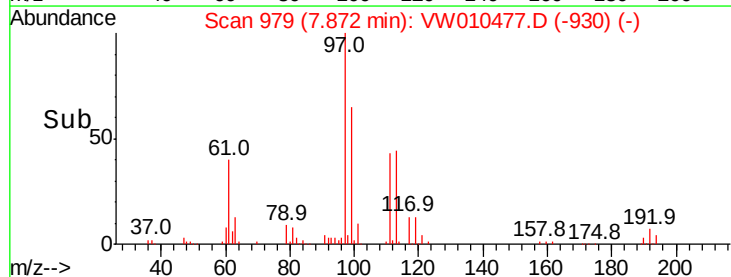
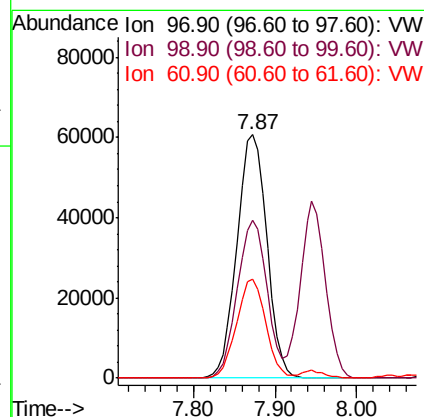
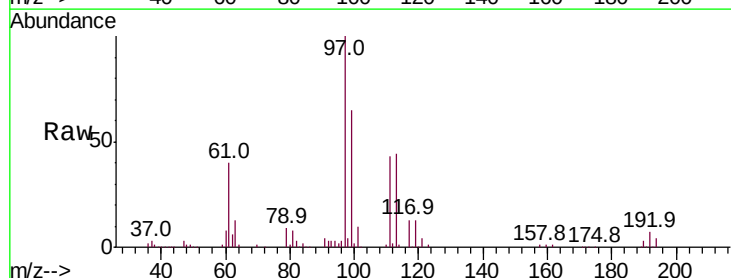
Manual Integrations
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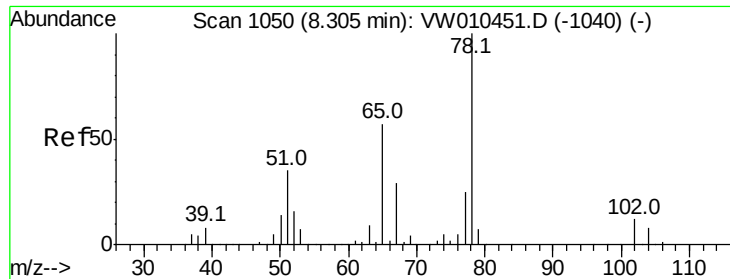
MMDadoda
5/22/2019 11:55:00 AM



#32
1,1,1-Trichloroethane
Concen: 52.138 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	39.6	32.1	48.1





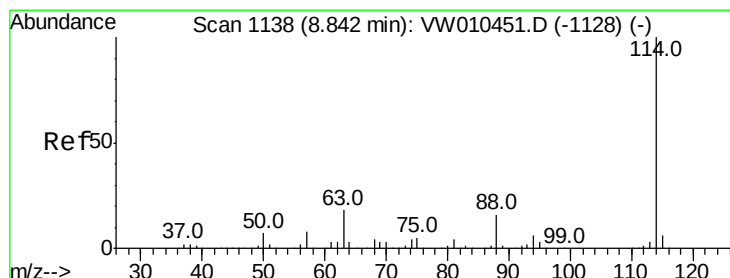
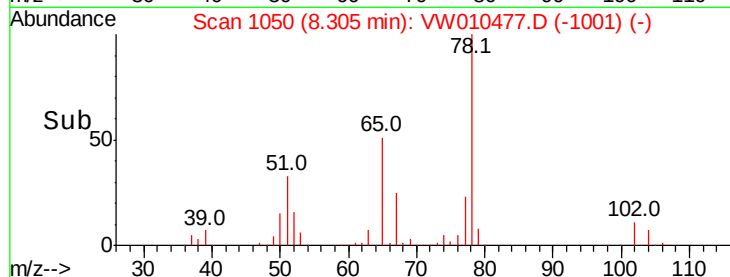
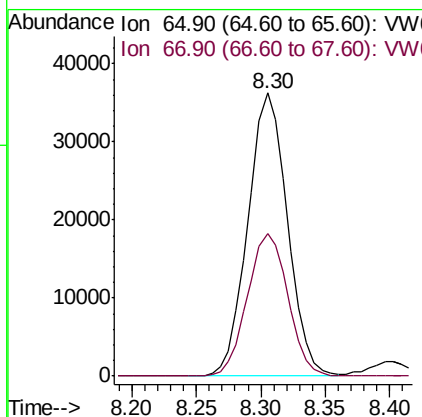
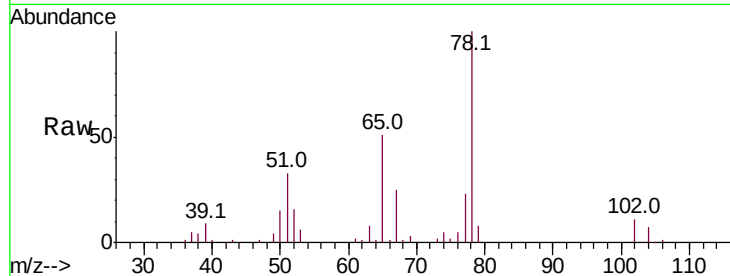
#33
 1,2-Dichloroethane-d4
 Concen: 48.808 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.6

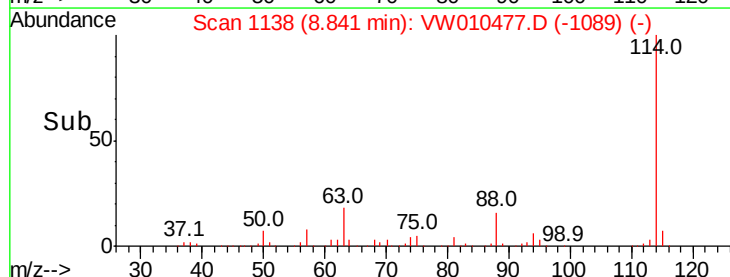
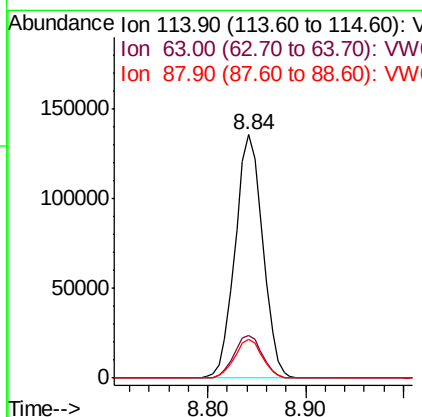
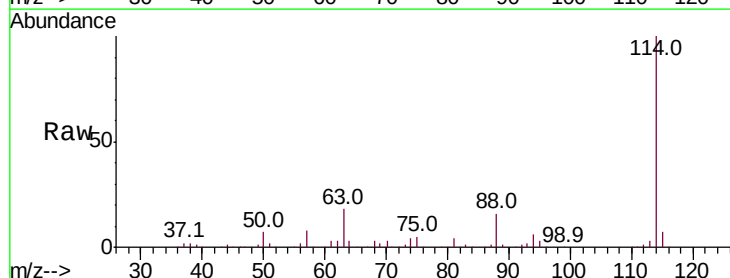
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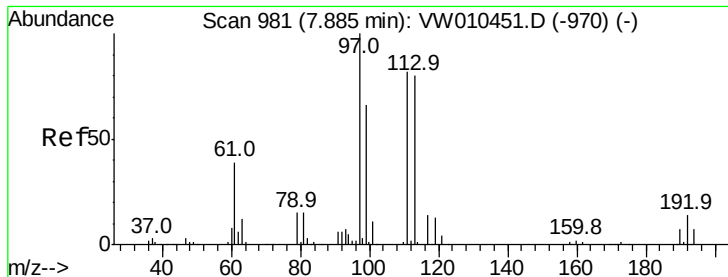
MMDadoda
 5/22/2019 11:55:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.0
88	16.1	0.0	32.0





#35

Dibromofluoromethane

Concen: 50.549 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

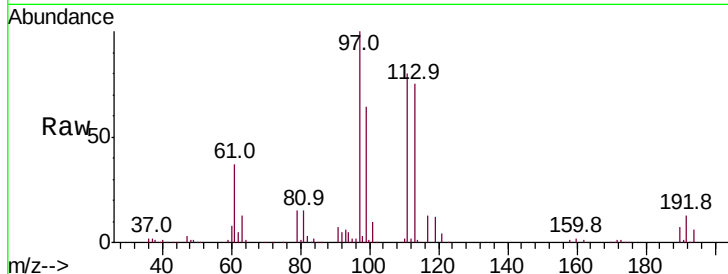
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.4	14.3	21.5

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5/22/2019 11:55:00 AM

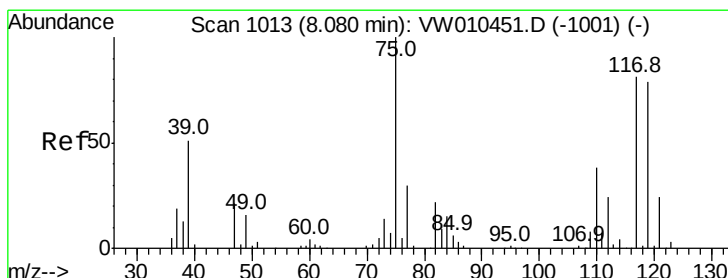
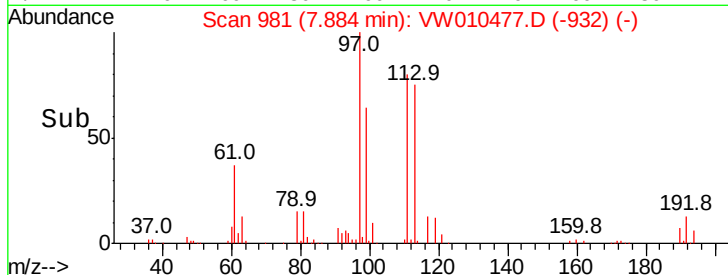
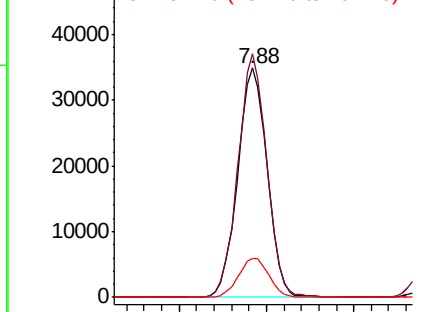


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.701 ug/l

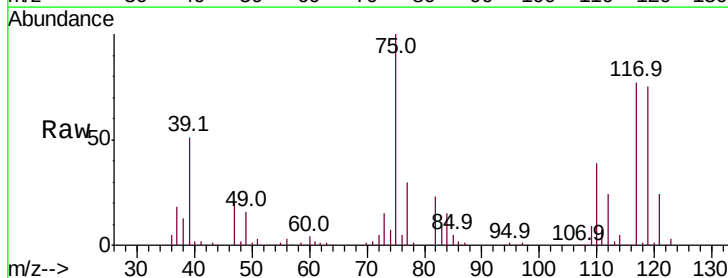
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.2	57.6
77	31.1	25.2	37.8

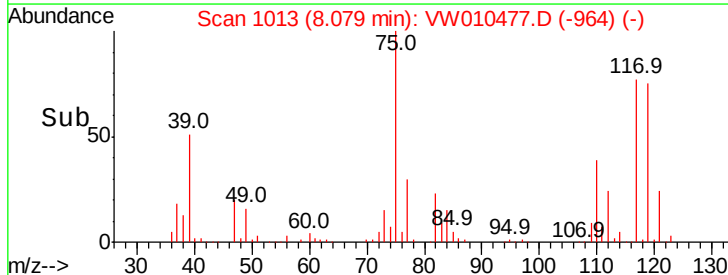
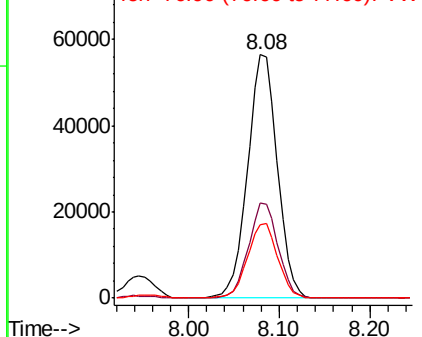


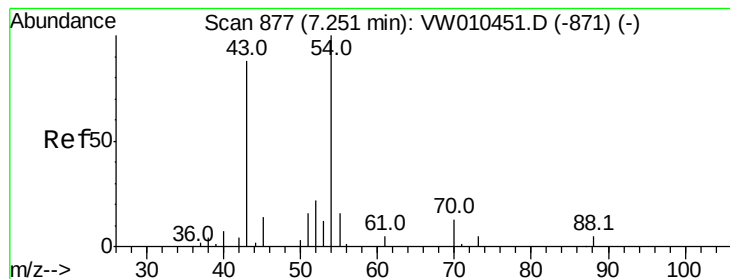
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 40.918 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

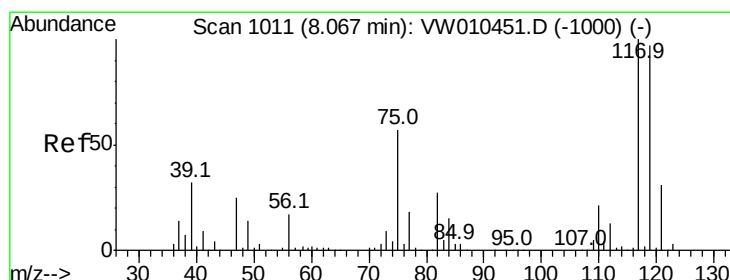
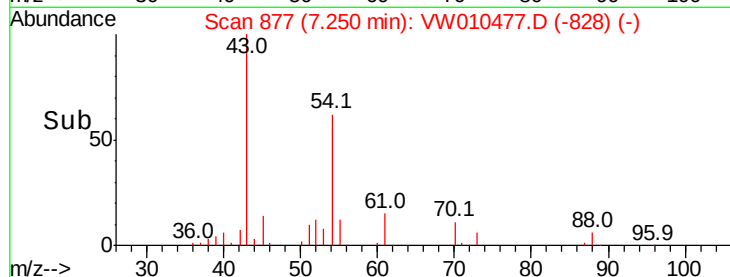
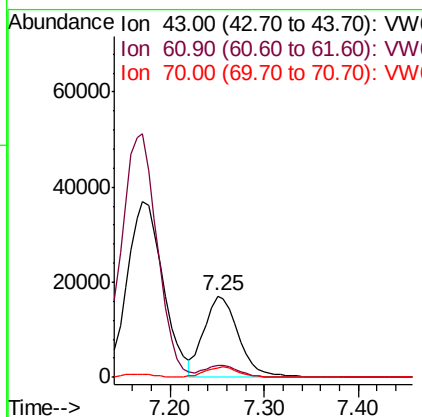
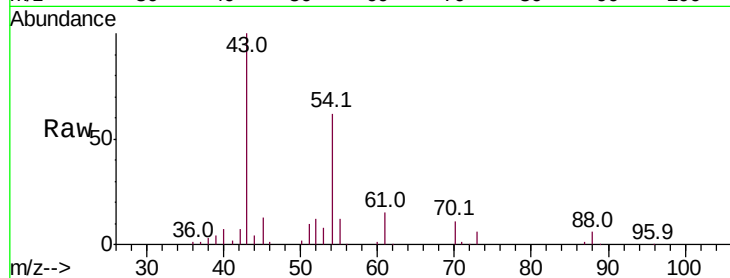
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	43159
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	12.6	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.689 ug/l

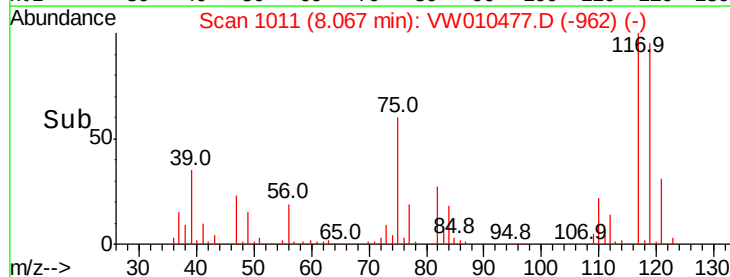
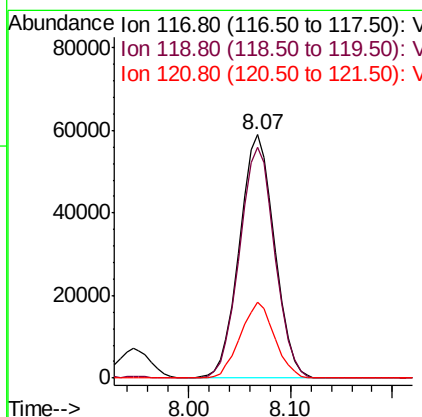
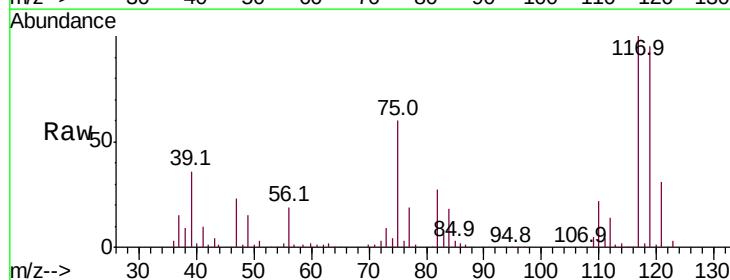
RT: 8.07 min Scan# 1011

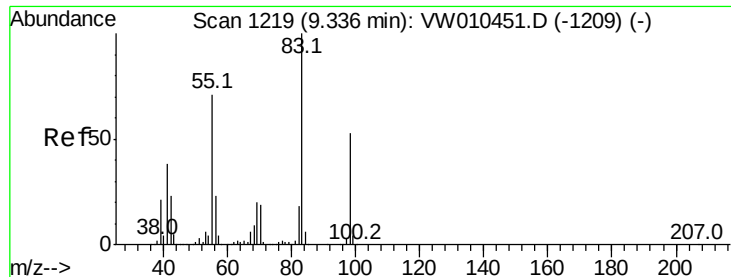
Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion:	117	Resp:	140978
Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.4	116.0
121	31.0	25.0	37.6





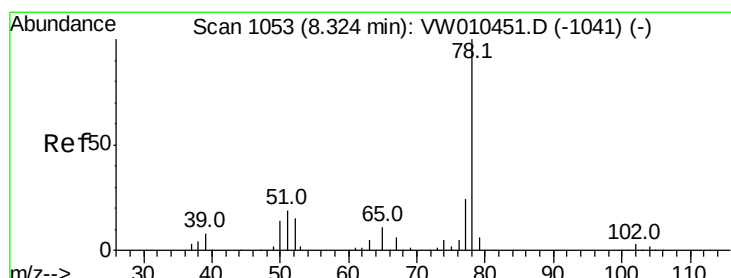
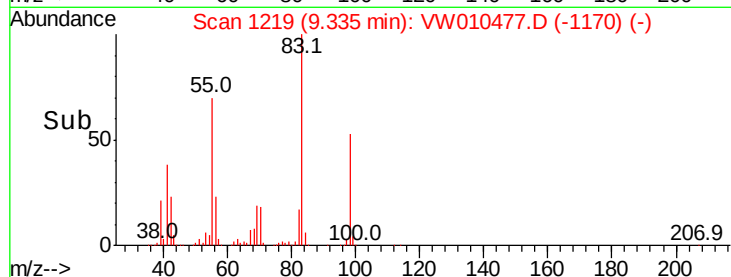
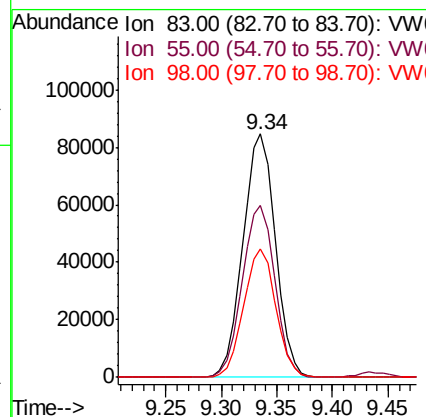
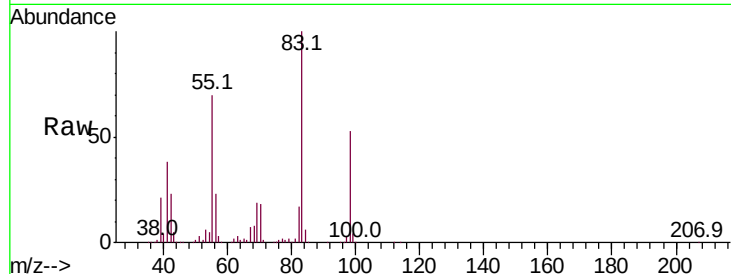
#39
Methylvlcyclohexane
Concen: 51.610 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	171504
Ion Ratio	100	Lower	Upper
83	100		
55	70.4	57.0	85.6
98	52.5	42.0	63.0

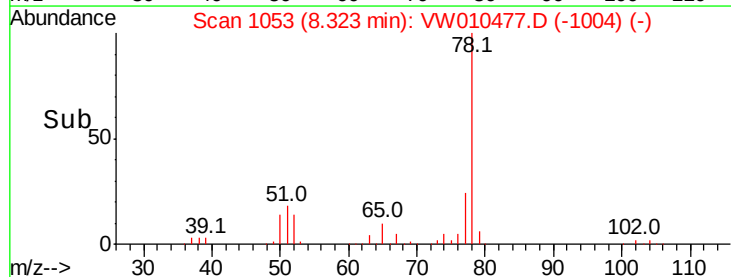
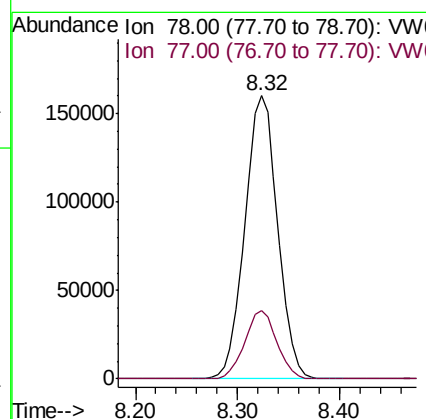
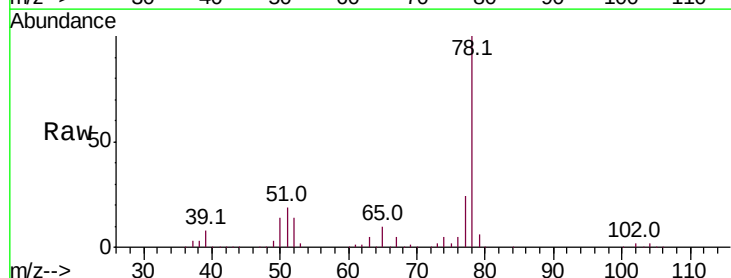
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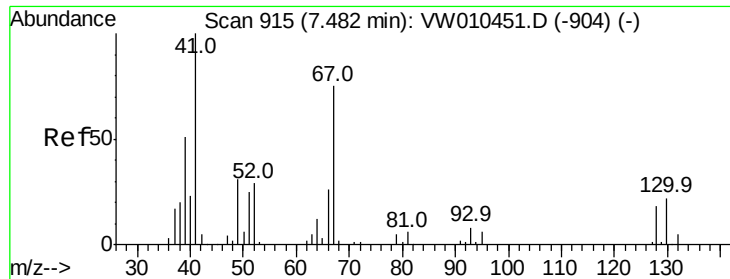
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#40
Benzene
Concen: 51.748 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	78	Resp	356757
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.9	28.3





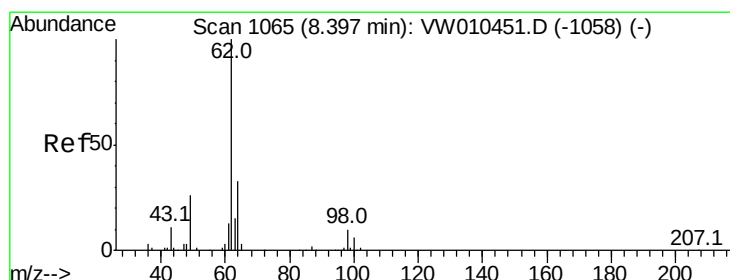
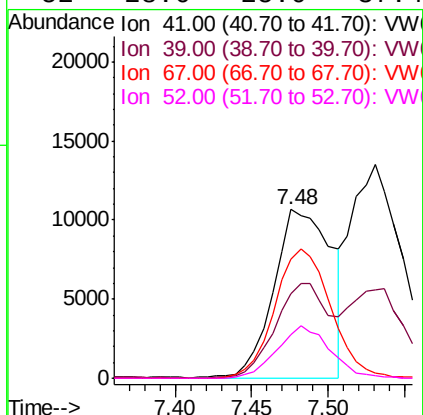
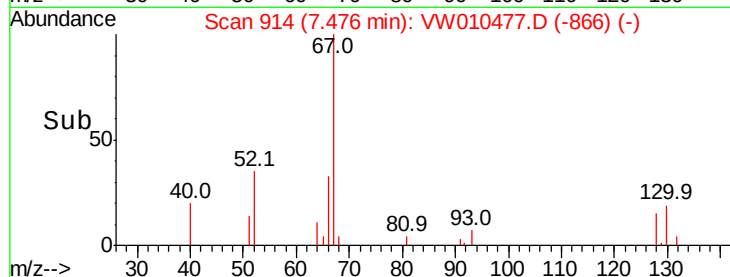
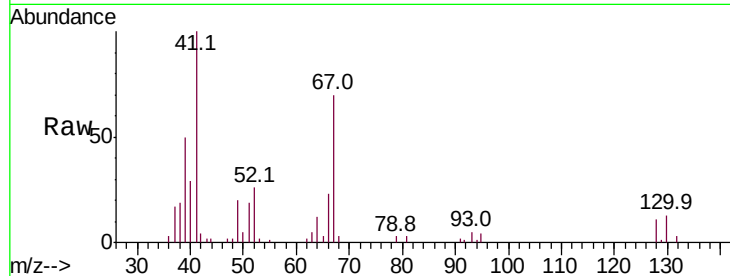
#41
Methacrylonitrile
Concen: 44.822 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	28091
Ion Ratio	100	Lower	Upper
41	100		
39	53.1	47.4	71.2
67	74.6	65.5	98.3
52	28.6	25.0	37.4

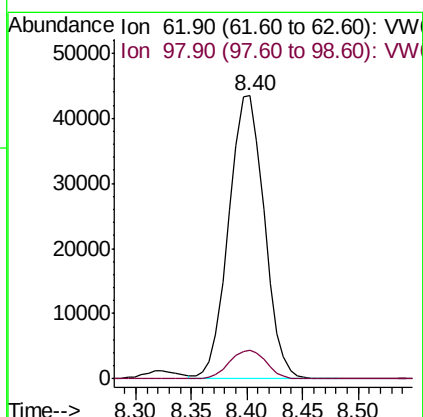
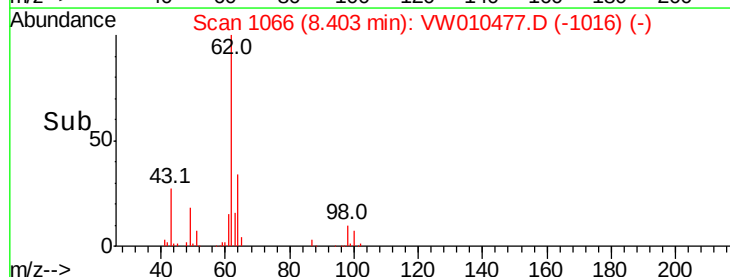
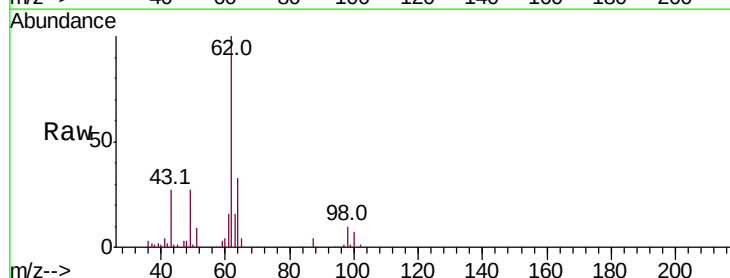
Manual Integrations
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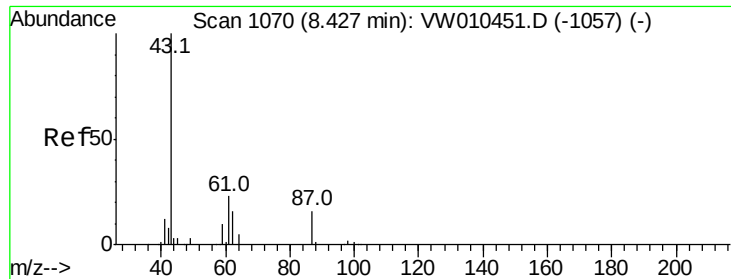
MMDadoda
5/22/2019 11:55:00 AM



#42
1,2-Dichloroethane
Concen: 48.949 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	62	Resp	96448
Ion Ratio	100	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 42.901 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

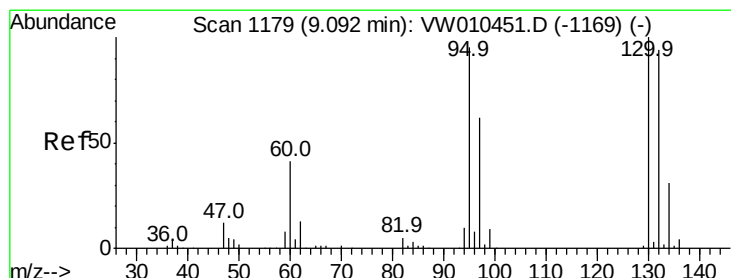
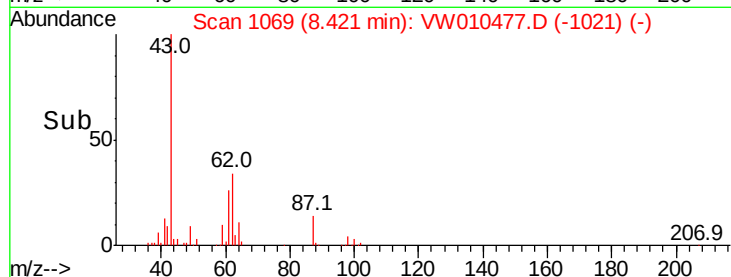
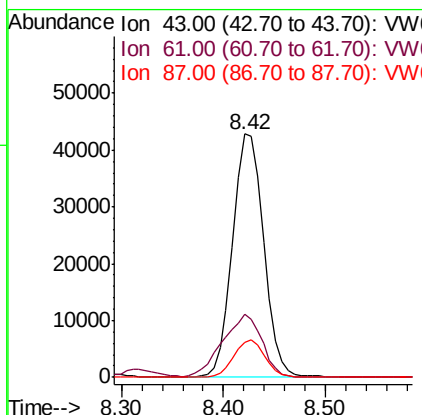
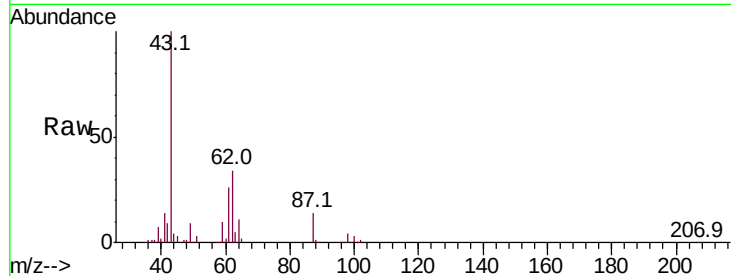
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	90401
Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.4	38.2
87	15.4	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 51.811 ug/l

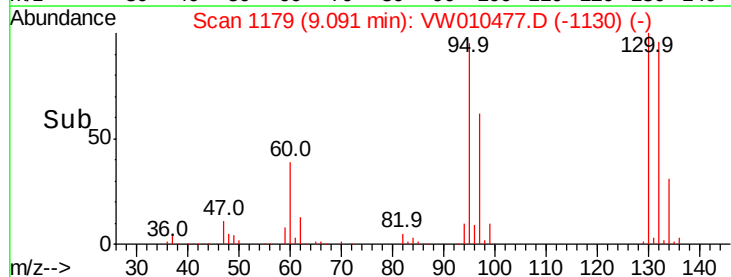
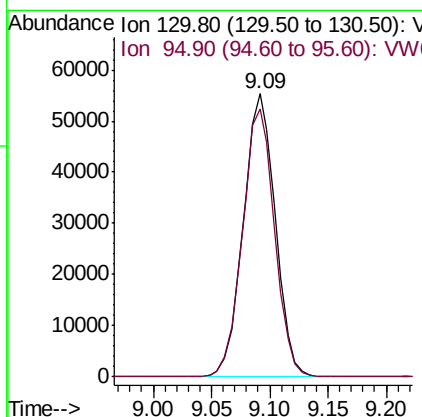
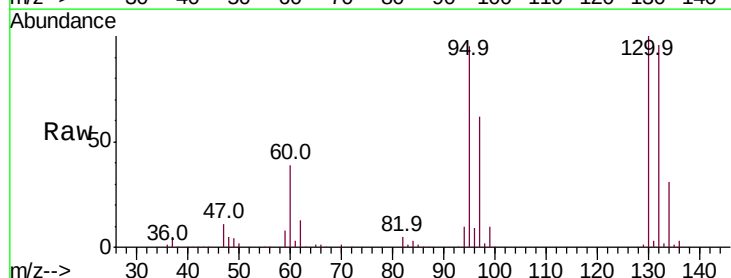
RT: 9.09 min Scan# 1179

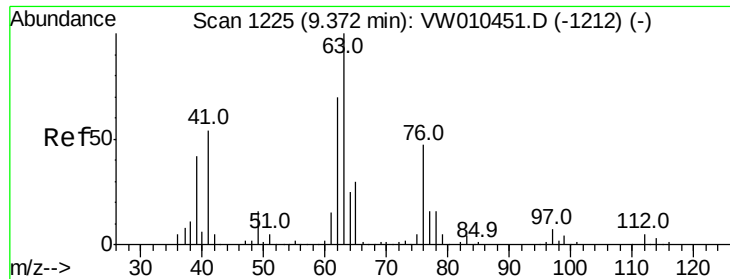
Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion:	130	Resp:	106041
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	189.6





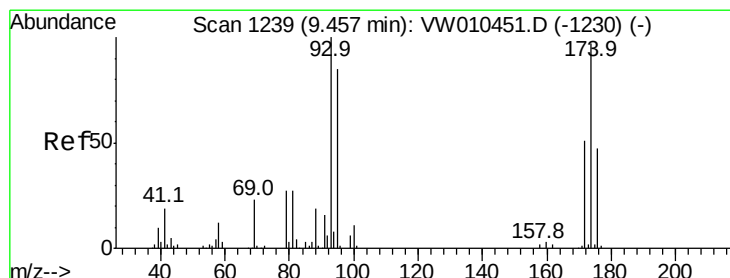
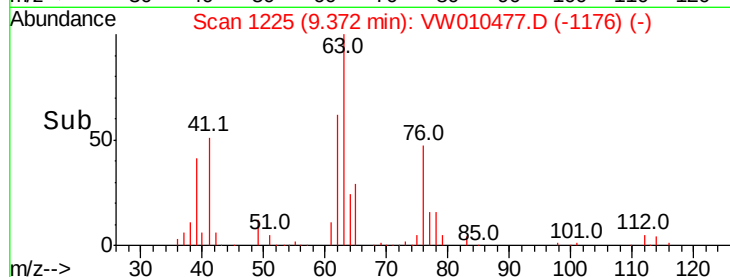
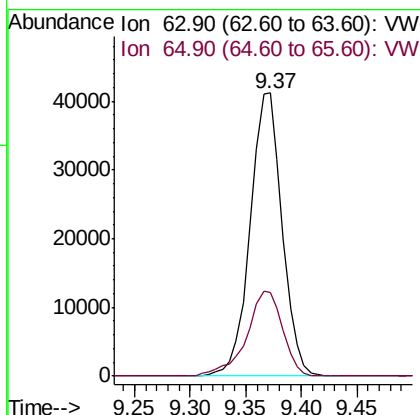
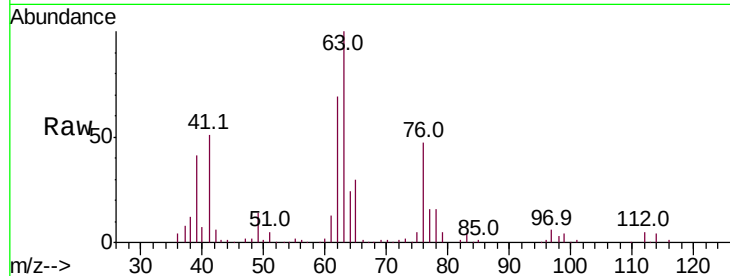
#45
 1,2-Dichloropropane
 Concen: 50.239 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 82258
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.3 36.5

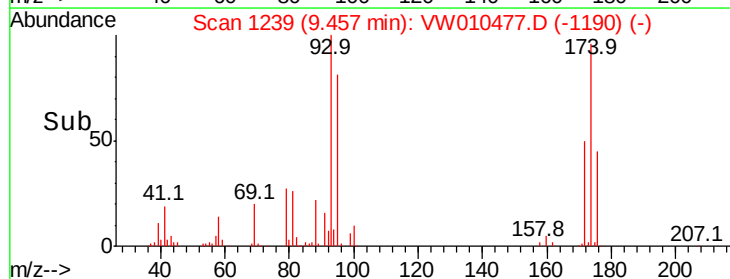
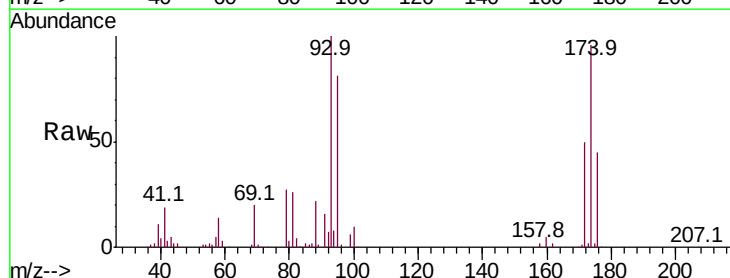
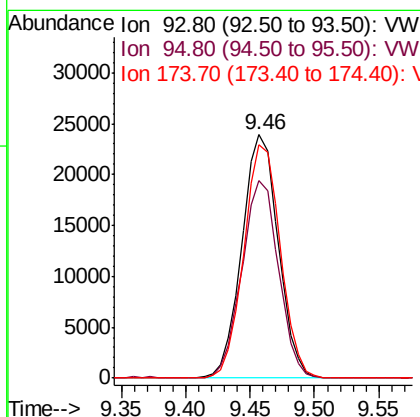
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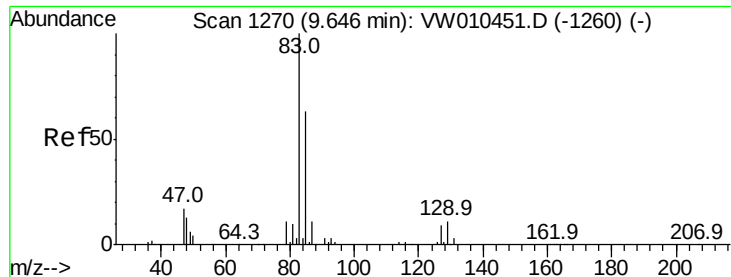
MMDadoda
 5/22/2019 11:55:00 AM



#46
 Dibromomethane
 Concen: 48.682 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 93 Resp: 46615
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.1 99.1
 174 96.4 77.1 115.7





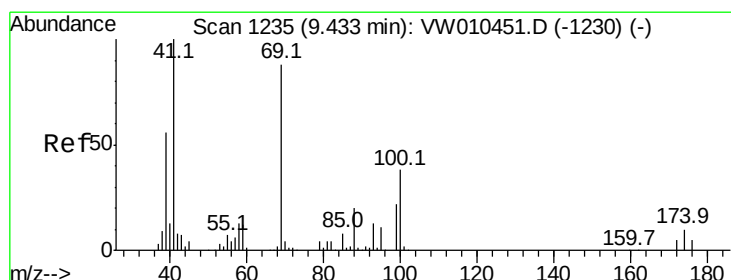
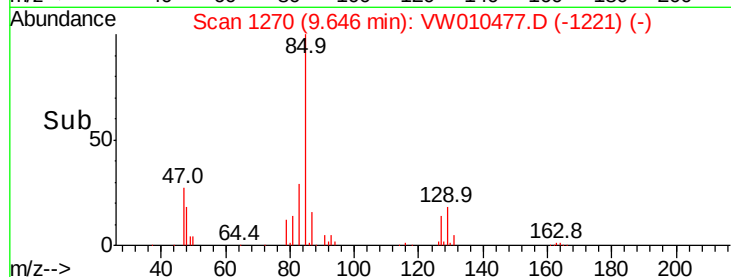
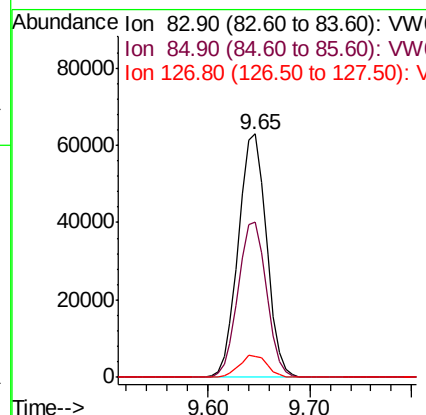
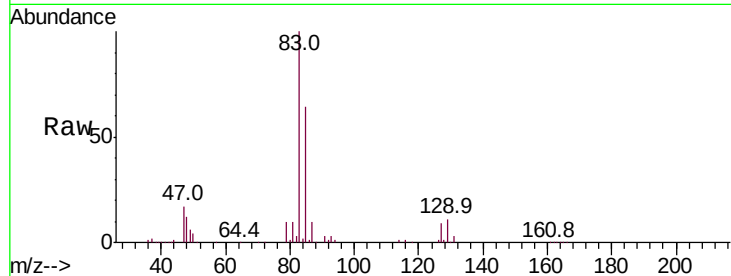
#47
 Bromodichloromethane
 Concen: 49.955 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120205		
85	63.7		50.4	75.6
127	8.8		7.4	11.0

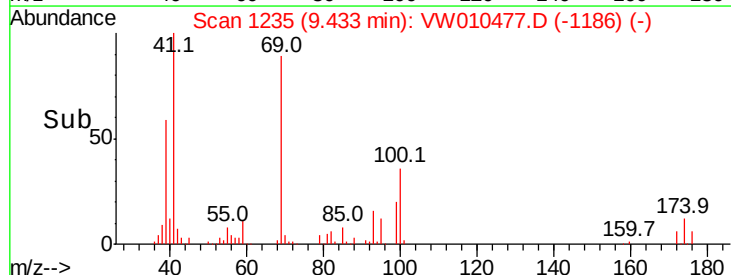
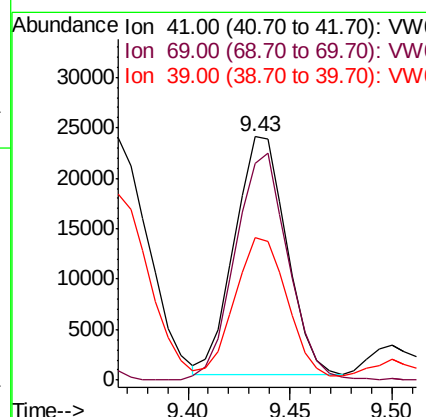
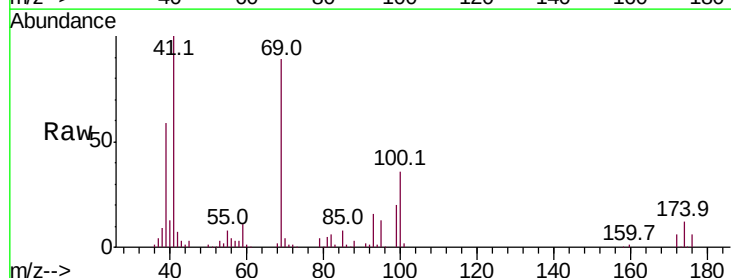
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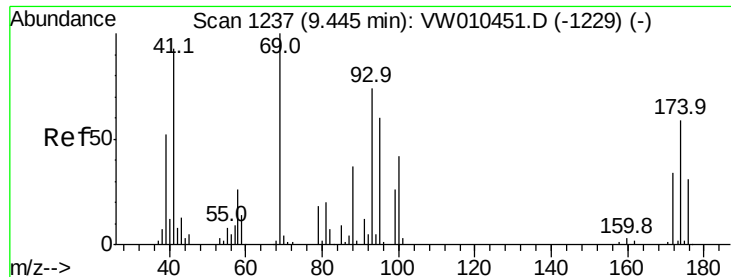
MMDadoda
 5/22/2019 11:55:00 AM



#48
 Methyl methacrylate
 Concen: 43.121 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	41570		
69	98.0		77.6	116.4
39	57.9		49.8	74.8





#49

1,4-Dioxane

Concen: 746.450 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 11676

Ion Ratio Lower Upper

88 100

43 0.0 25.9 38.9#

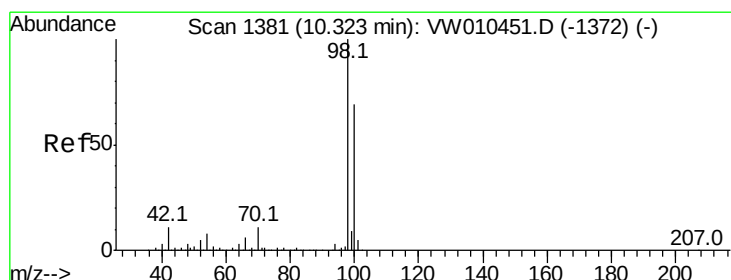
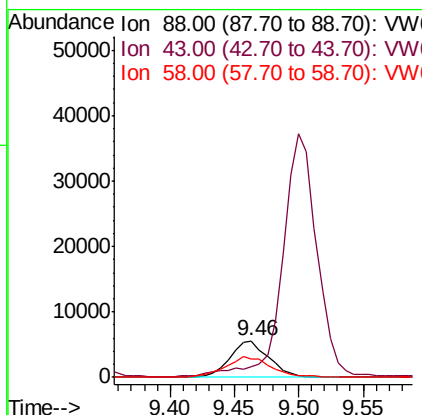
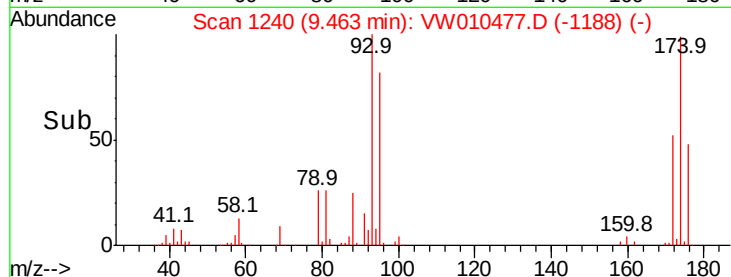
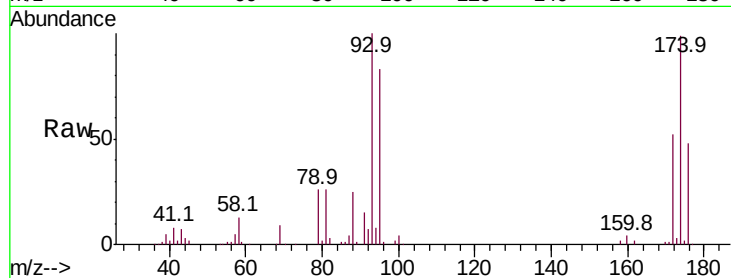
58 65.9 52.7 79.1

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#50

Toluene-d8

Concen: 51.305 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010477.D

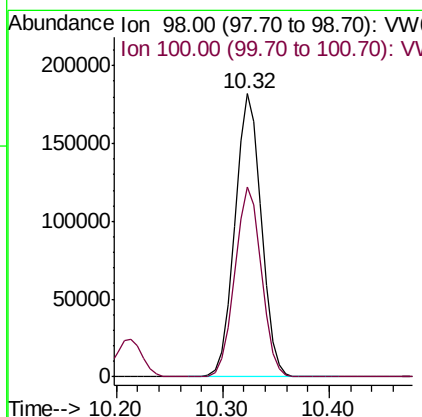
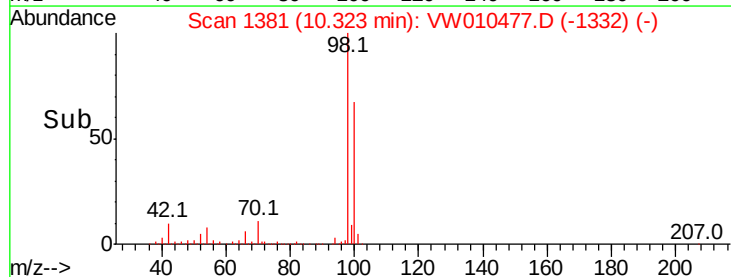
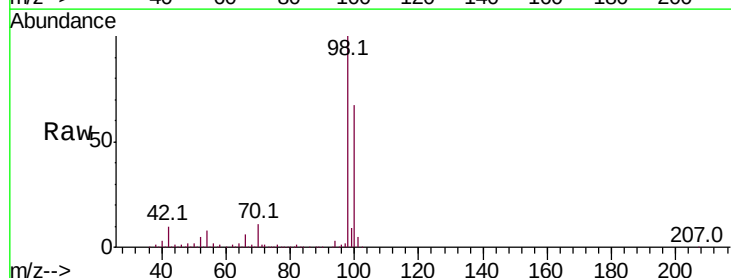
Acq: 21 May 2019 10:18

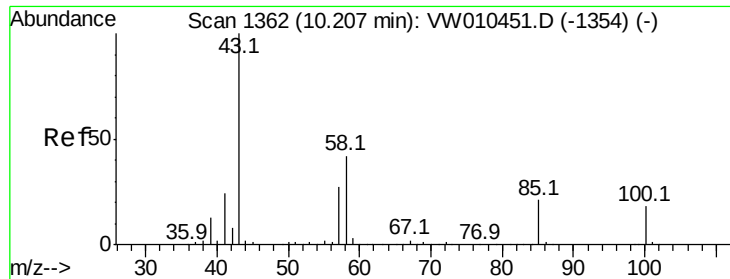
Tgt Ion: 98 Resp: 316659

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5





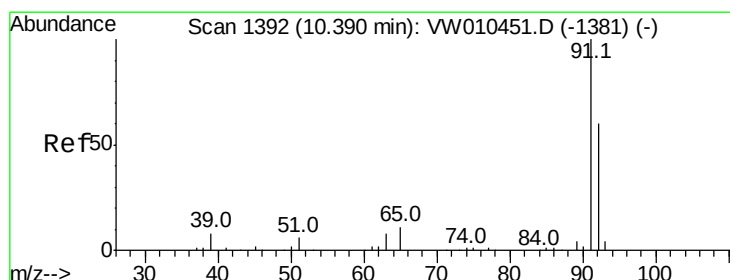
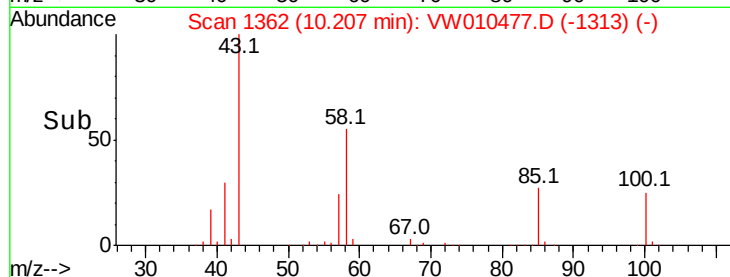
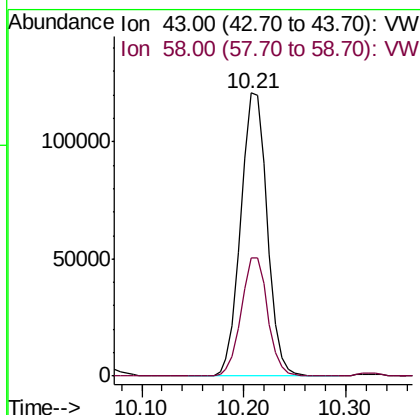
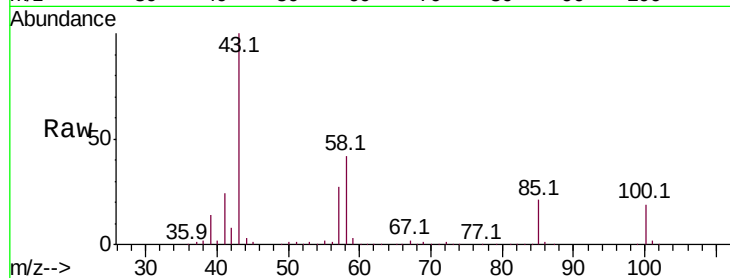
#51
 4-Methyl-2-Pentanone
 Concen: 204.035 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.2	49.8

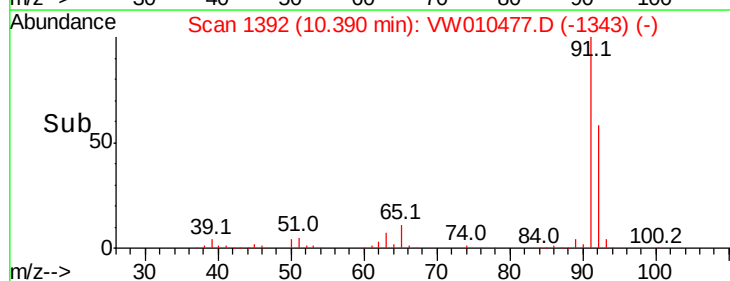
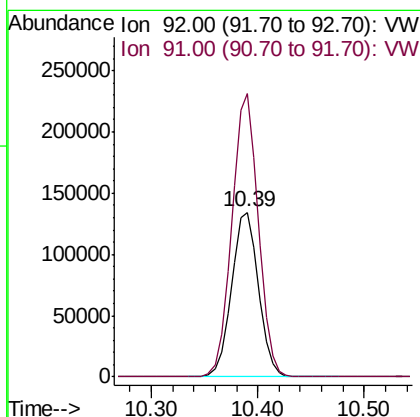
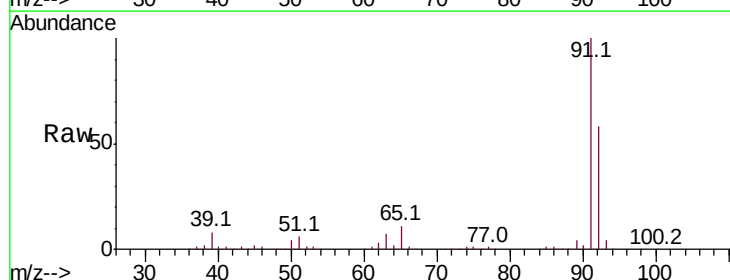
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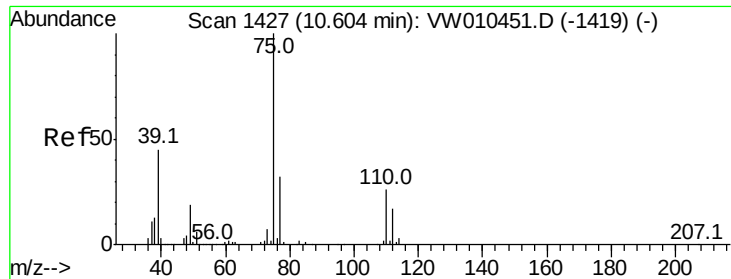
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 5/22/2019 11:55:00 AM



#52
 Toluene
 Concen: 51.279 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.2	135.4	203.0





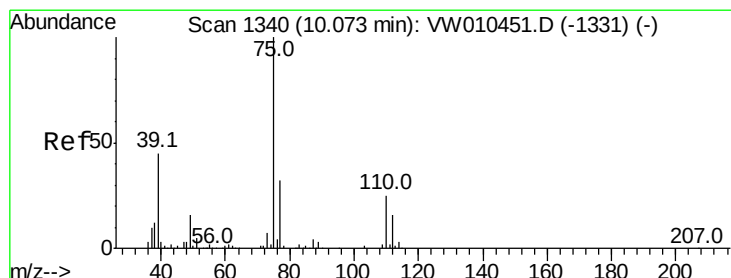
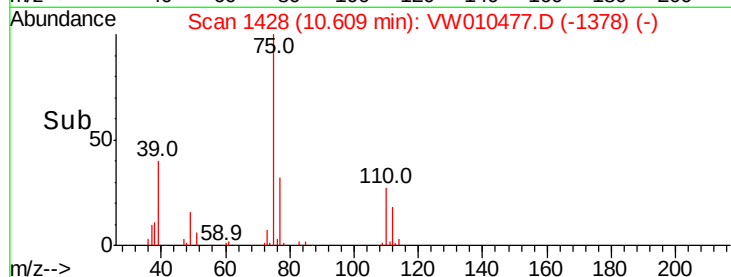
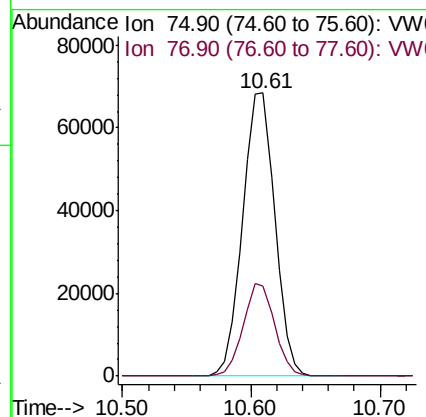
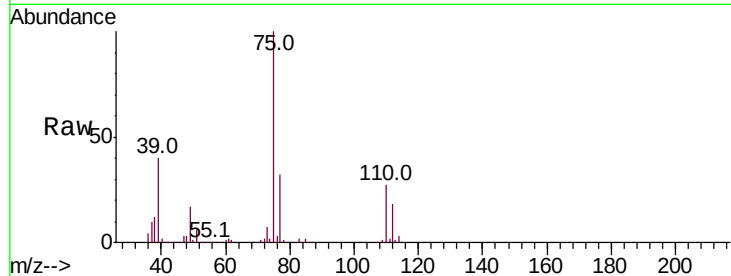
#53
 t-1,3-Dichloropropene
 Concen: 48.706 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 118699
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0

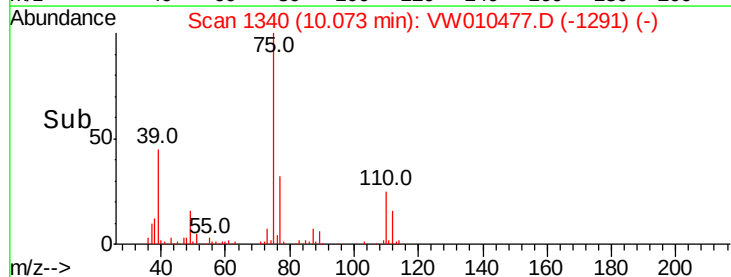
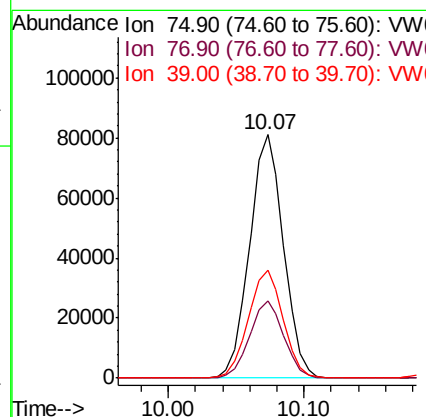
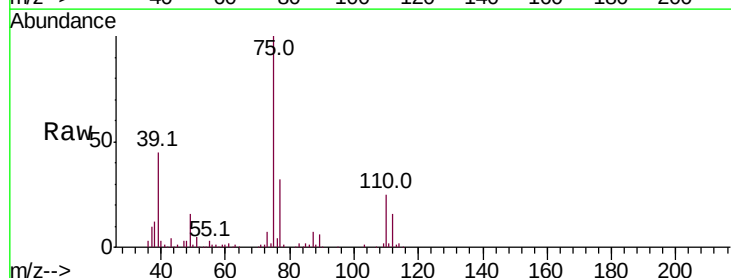
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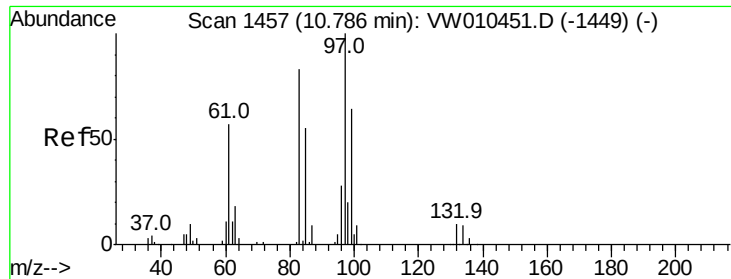
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#54
 cis-1,3-Dichloropropene
 Concen: 50.864 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 75 Resp: 141565
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5
 39 44.6 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 47.954 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

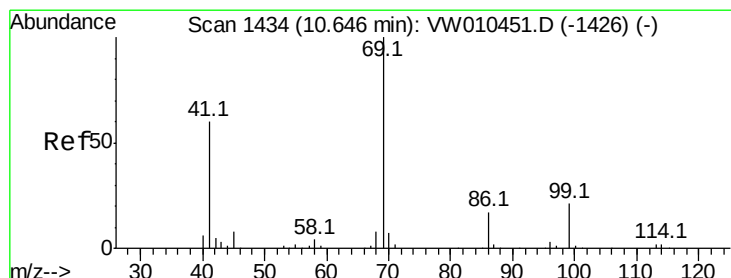
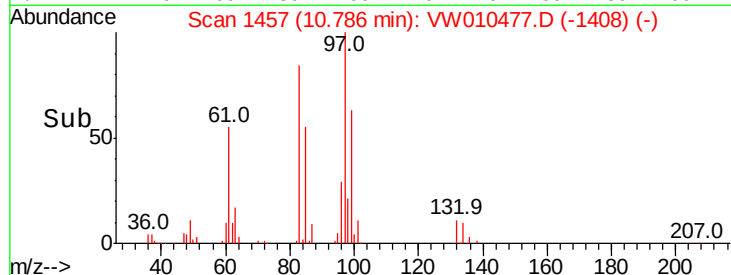
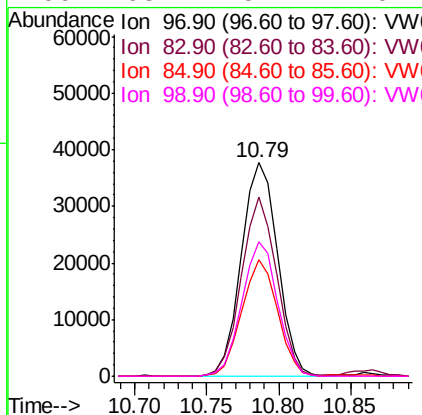
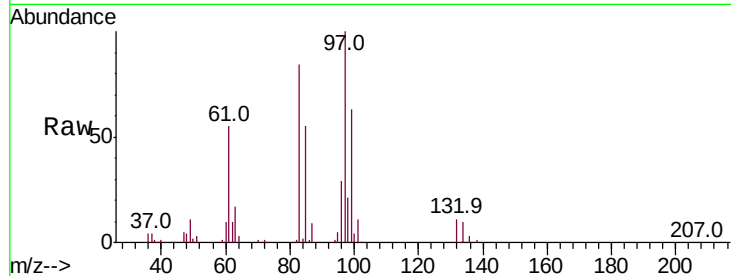
ClientSampled :

VSTDCCC050

Tot Ion	97	Resp:	66030
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.1	99.1
85	54.8	44.2	66.4
99	63.2	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 44.068 ug/l

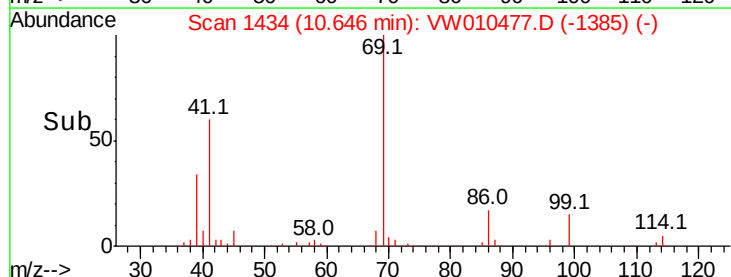
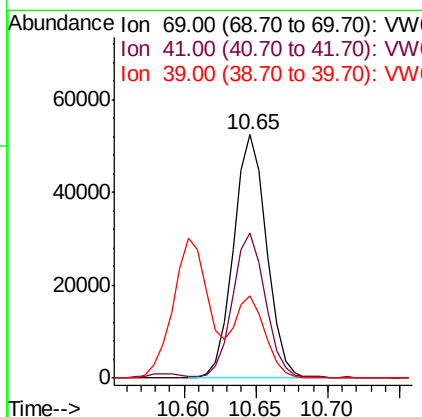
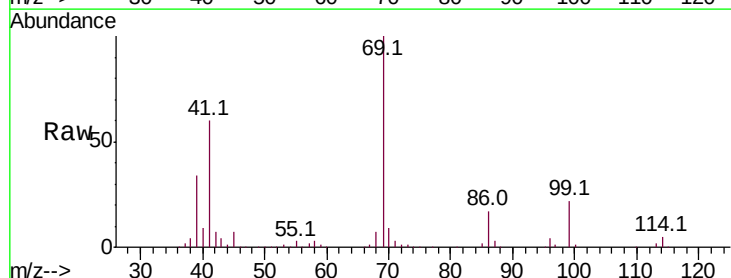
RT: 10.65 min Scan# 1434

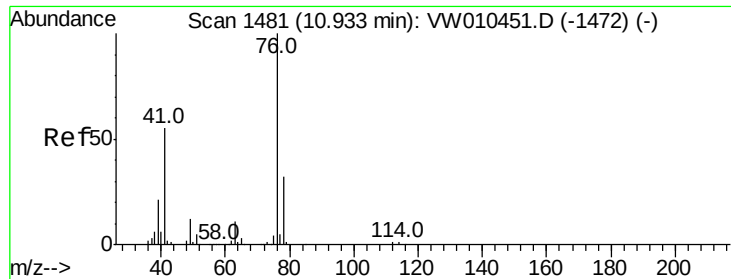
Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion	69	Resp:	83688
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.7	71.5
39	31.5	25.3	37.9





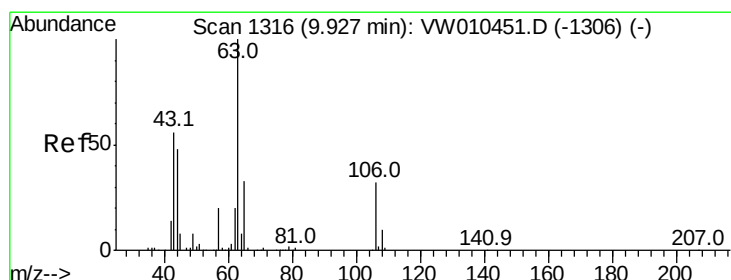
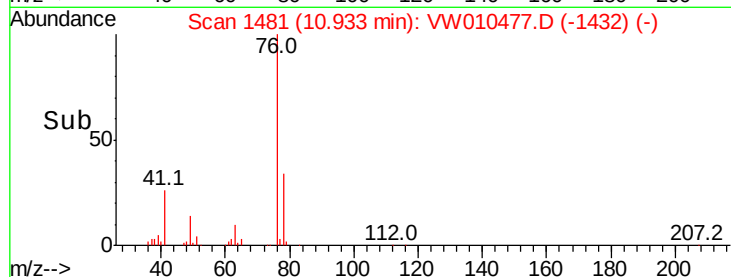
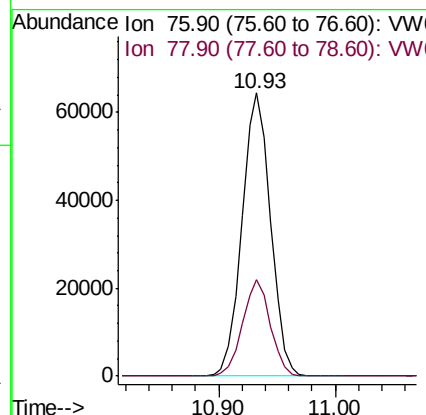
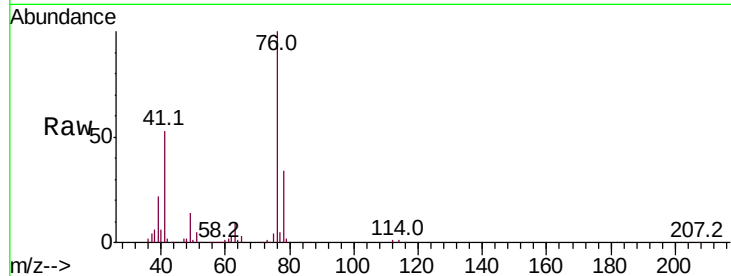
#57
 1,3-Dichloropropane
 Concen: 47.618 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 109831
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.2

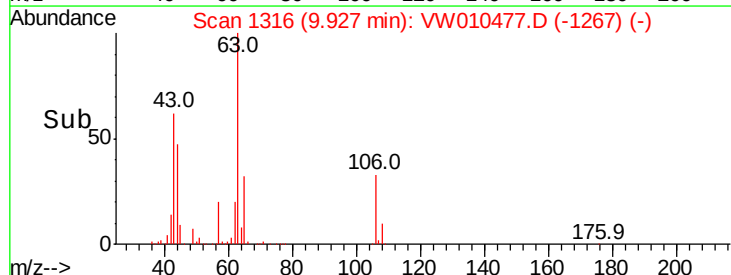
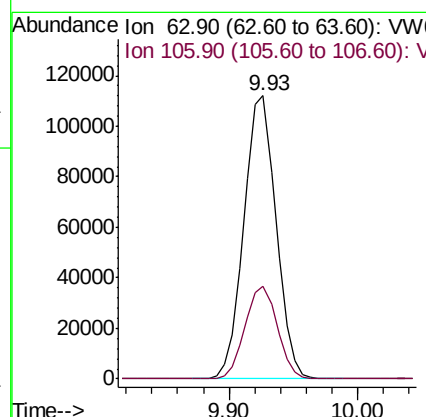
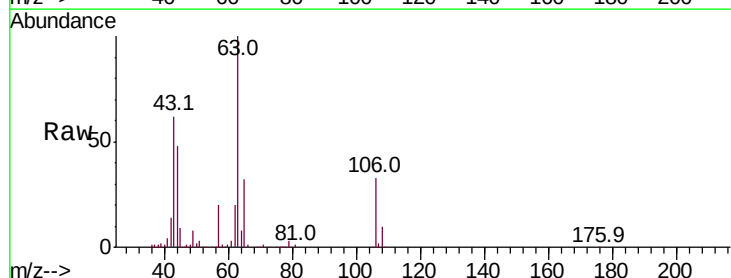
Manual Integrations
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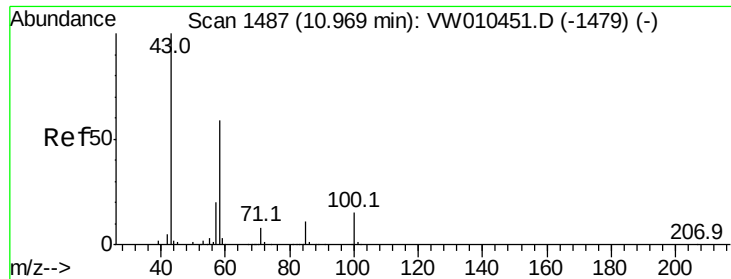
MMDadoda
 5/22/2019 11:55:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.761 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion: 63 Resp: 193262
 Ion Ratio Lower Upper
 63 100
 106 33.0 25.8 38.6





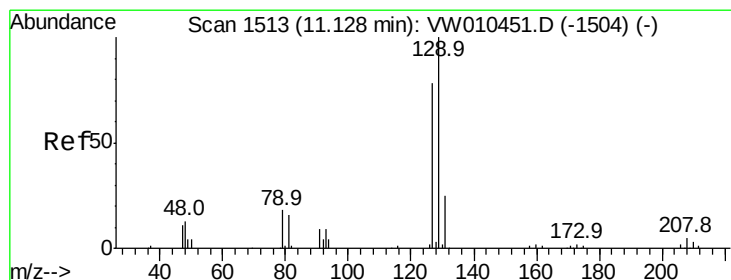
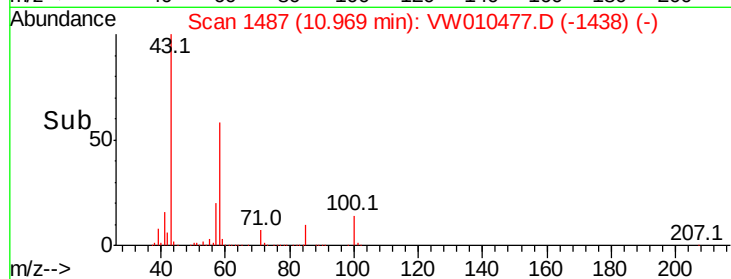
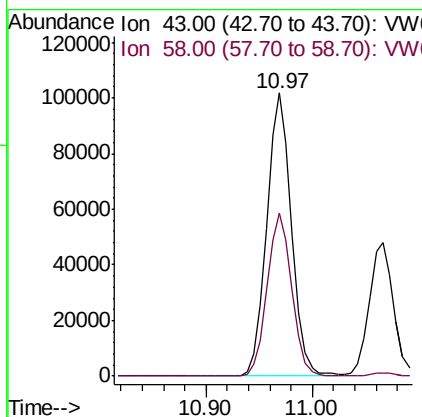
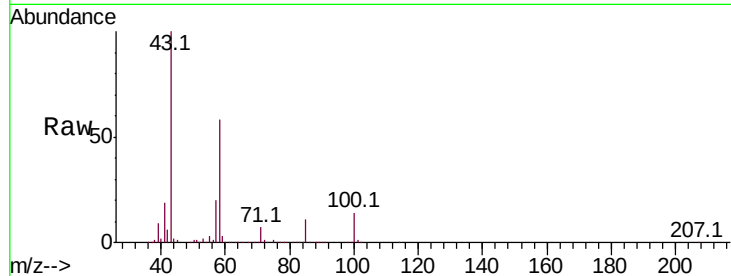
#59
2-Hexanone
Concen: 215.229 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 163938
Ion Ratio Lower Upper
43 100
58 57.8 28.9 86.8

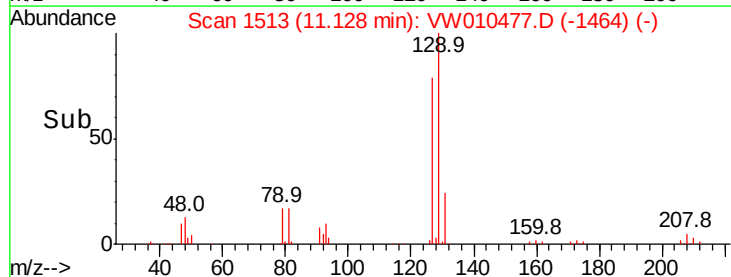
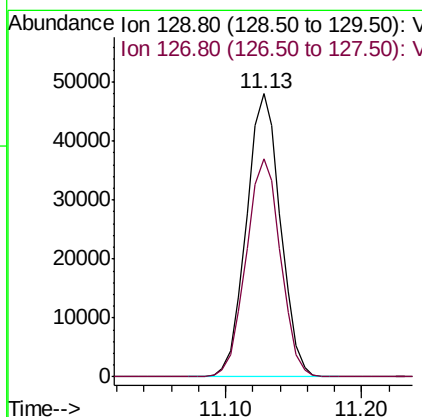
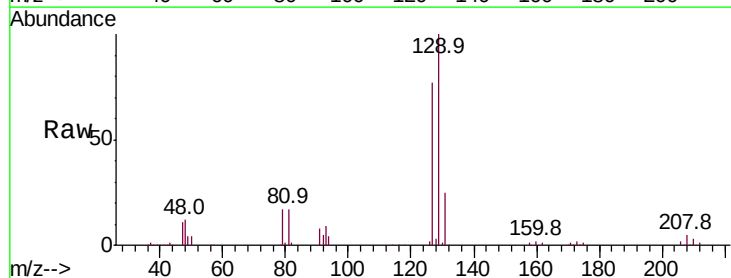
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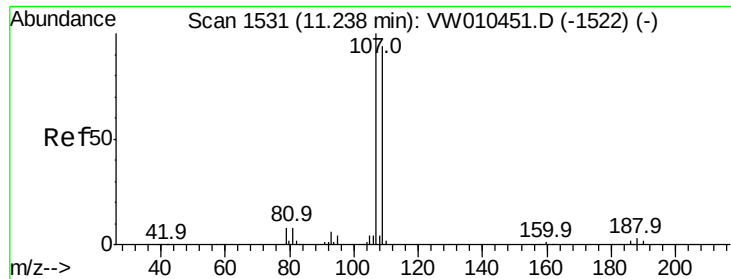
MMDadoda
5/22/2019 11:55:00 AM



#60
Dibromochloromethane
Concen: 48.346 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 129 Resp: 84252
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





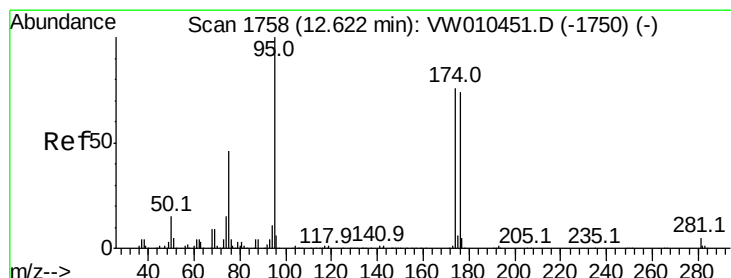
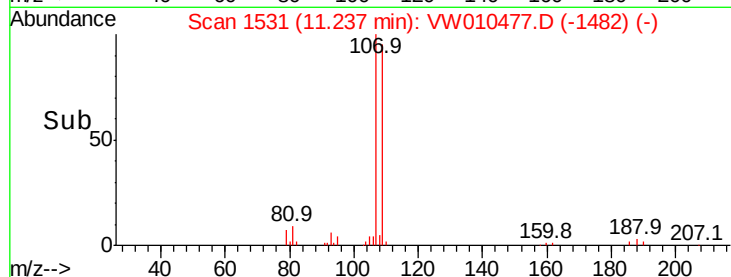
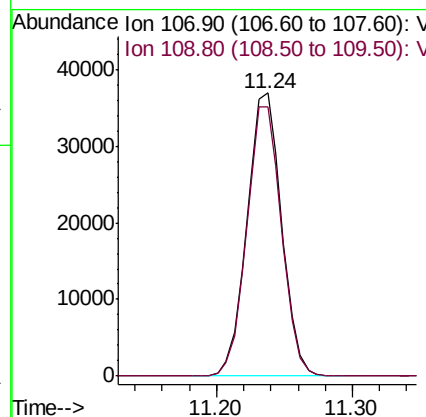
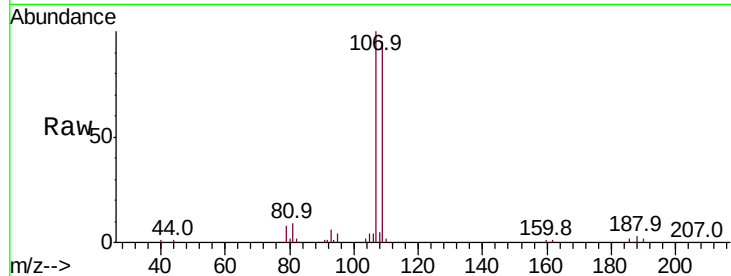
#61
 1,2-Dibromoethane
 Concen: 46.964 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.4

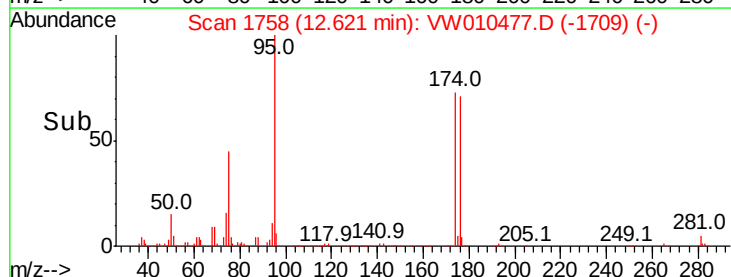
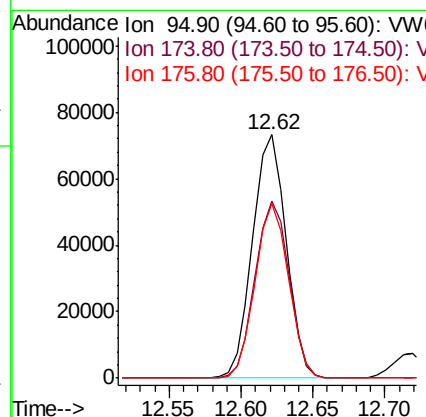
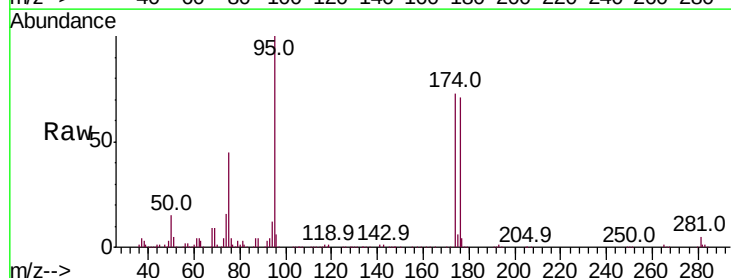
Manual Integrations
 APPROVED

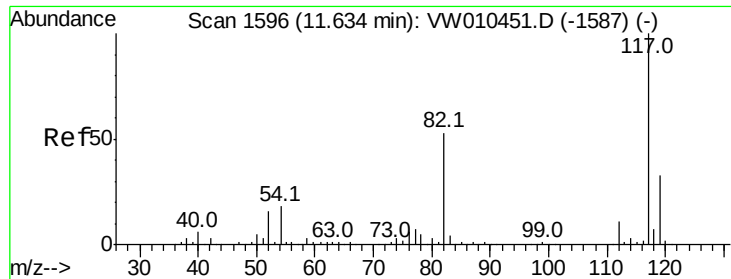
MMDadoda
 5/22/2019 11:55:00 AM



#62
 4-Bromofluorobenzene
 Concen: 48.080 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.6
176	71.1	0.0	144.2





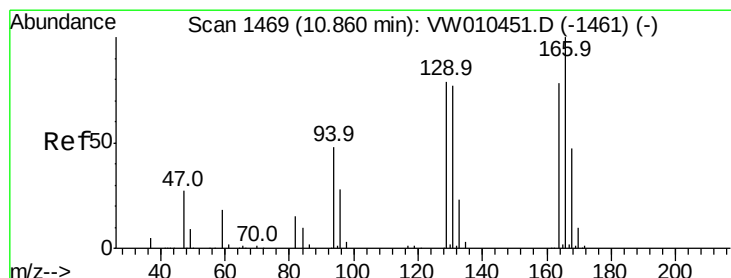
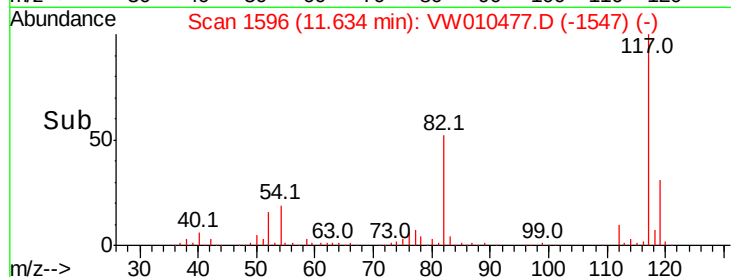
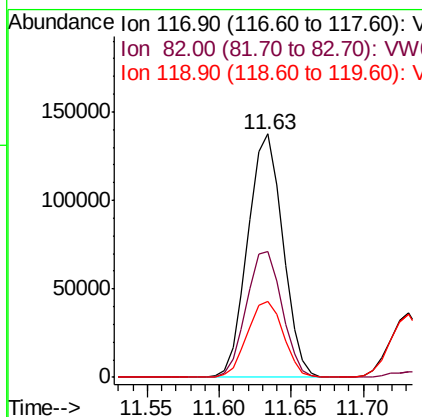
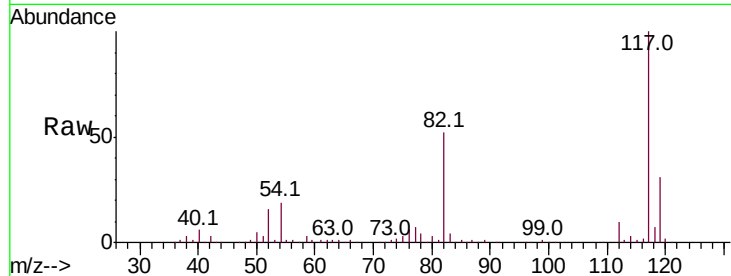
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	231558		
82	51.6	42.8	64.2	
119	31.2	26.3	39.5	

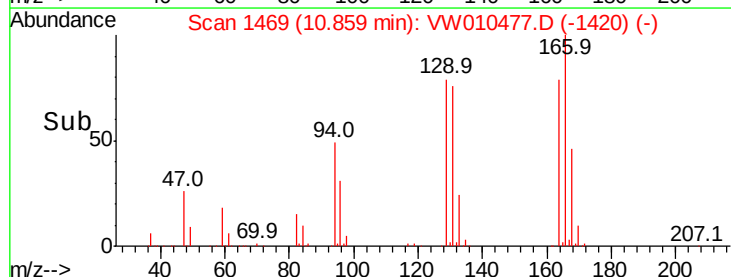
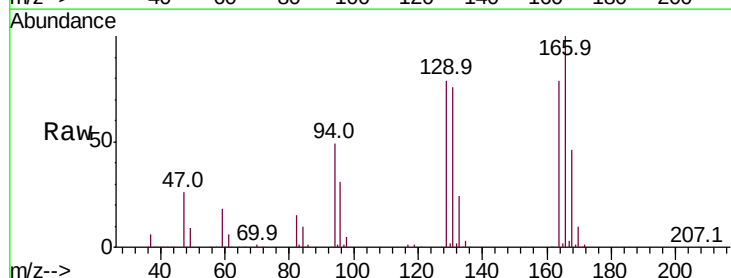
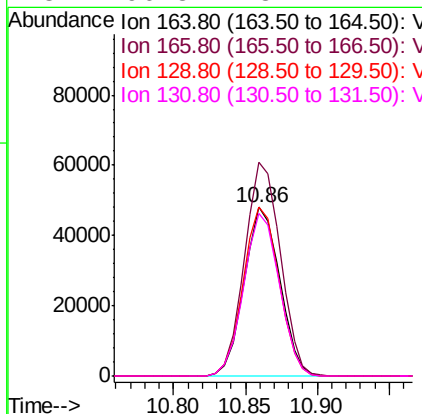
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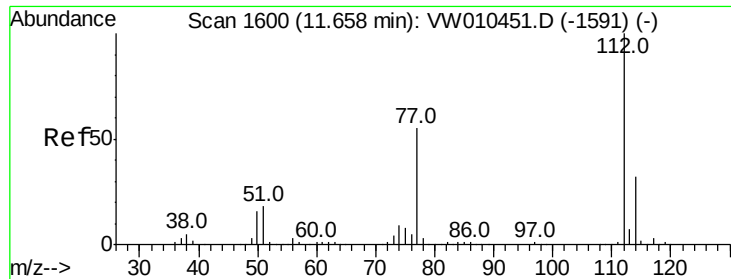
MMDadoda
5/22/2019 11:55:00 AM



#64
Tetrachloroethene
Concen: 50.969 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82273		
166	126.8	101.9	152.9	
129	100.2	80.6	121.0	
131	96.3	78.2	117.2	





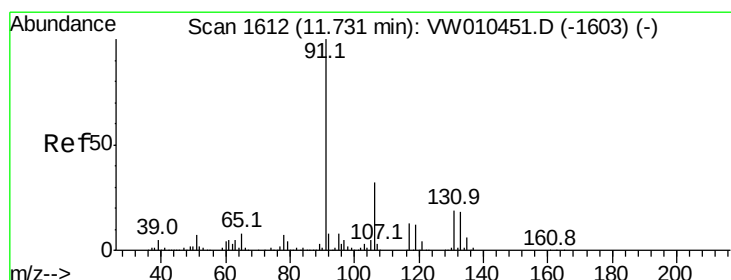
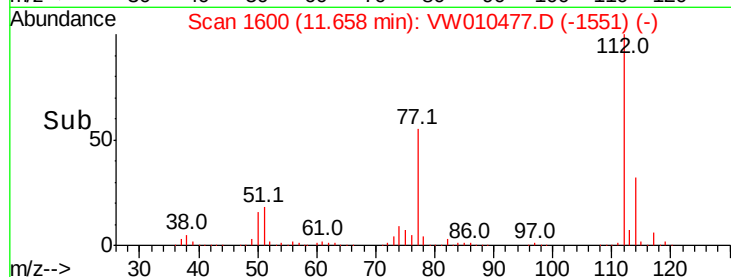
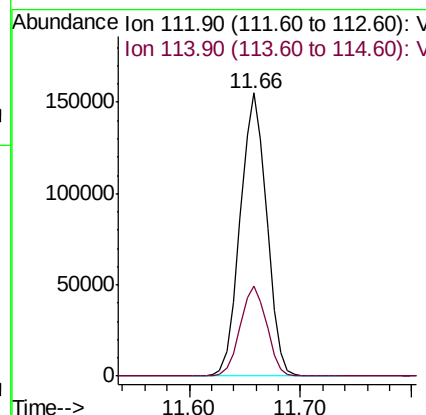
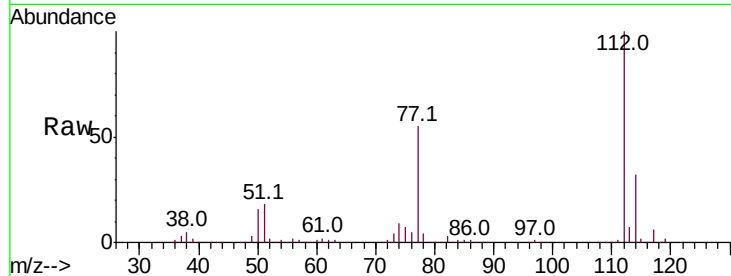
#65
Chlorobenzene
Concen: 51.705 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 255167
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

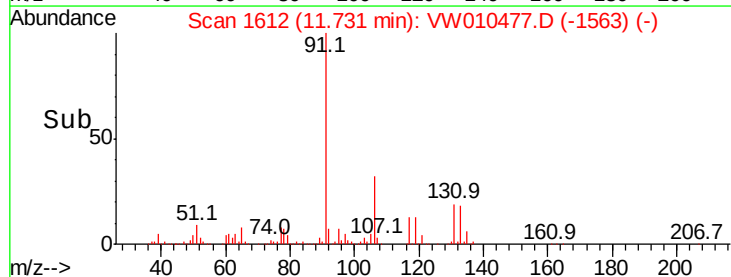
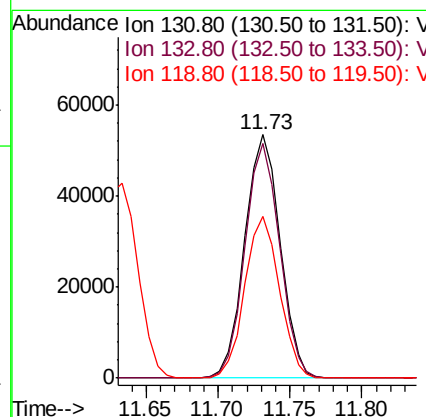
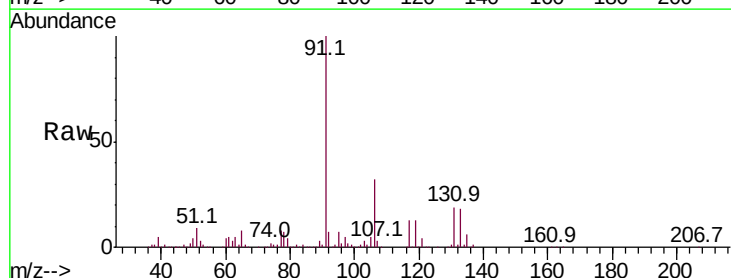
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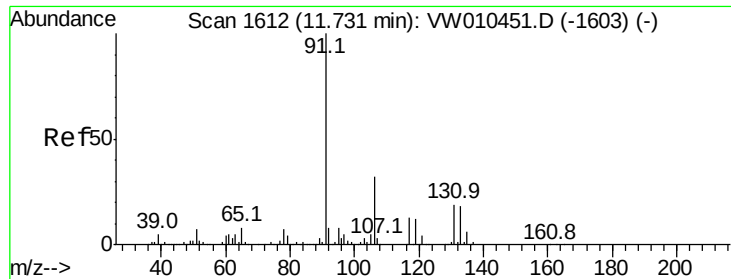
MMDadoda
5/22/2019 11:55:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.532 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:131 Resp: 91100
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 65.2 32.1 96.5





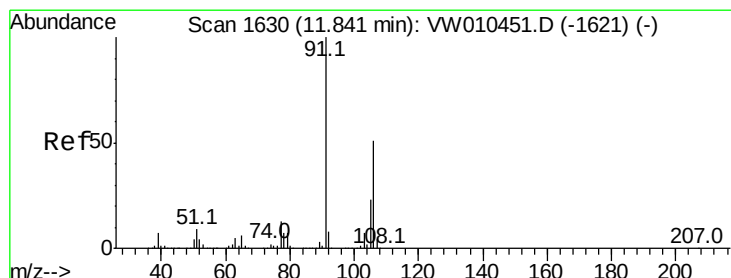
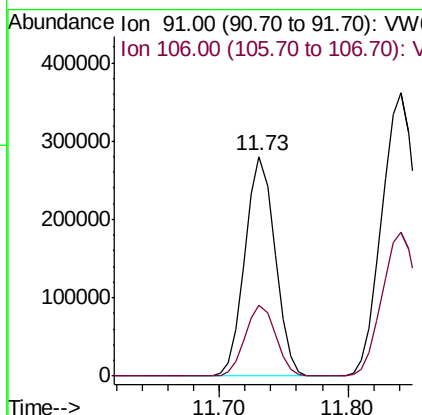
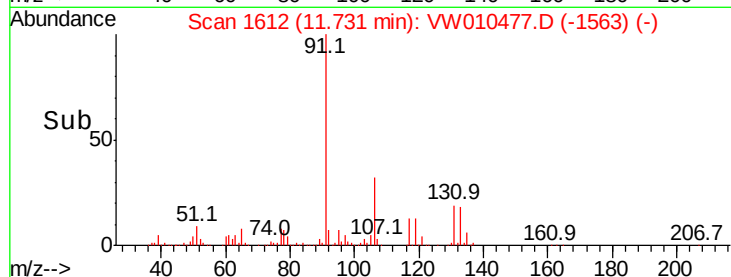
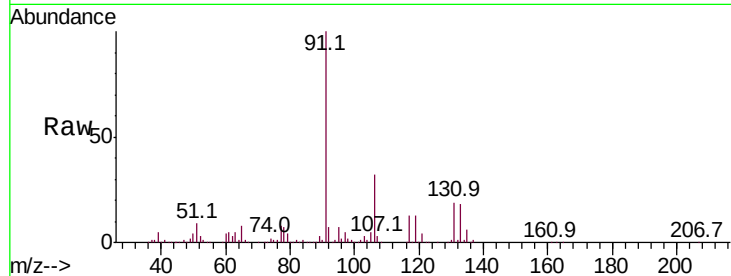
#67
Ethyl Benzene
Concen: 51.886 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 452087
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9

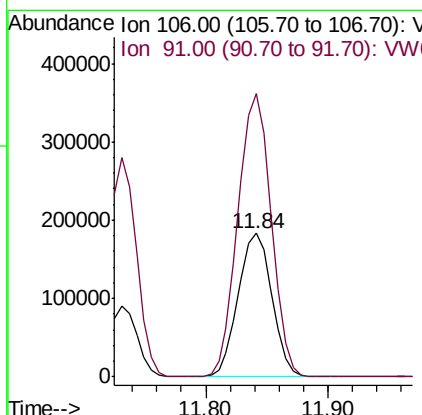
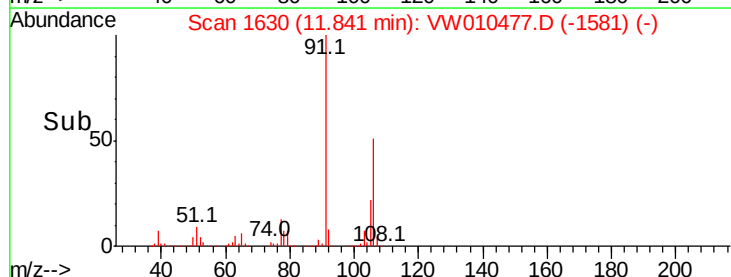
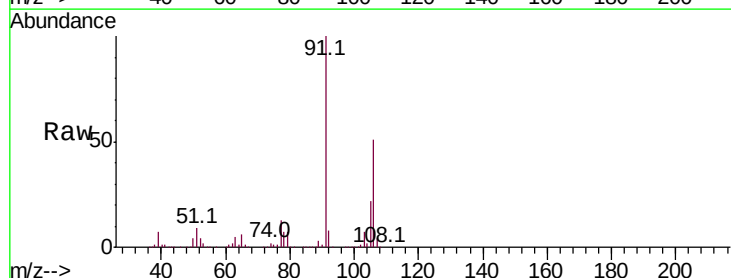
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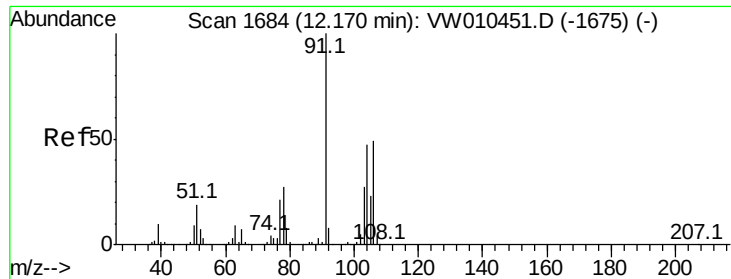
MMDadoda
5/22/2019 11:55:00 AM



#68
m/p-Xylenes
Concen: 102.697 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 106 Resp: 350969
Ion Ratio Lower Upper
106 100
91 195.5 156.0 234.0





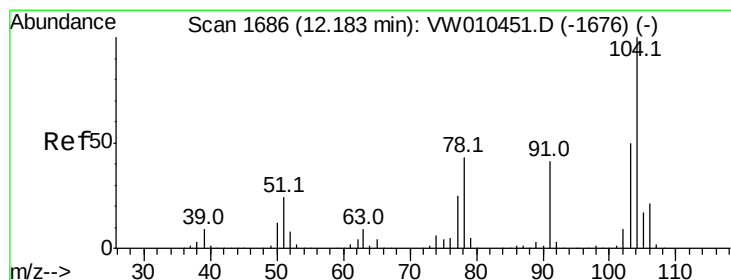
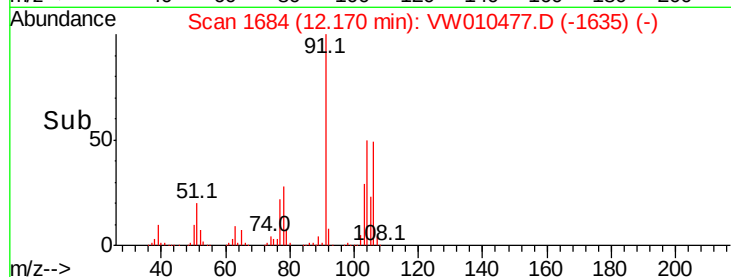
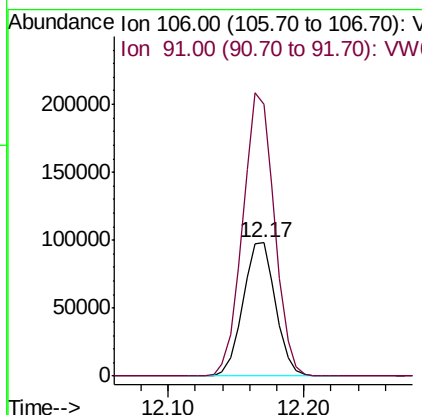
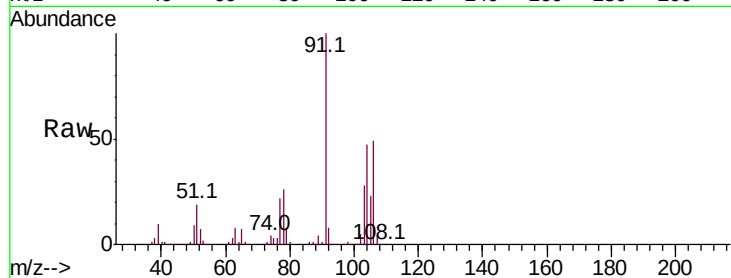
#69
o-Xylene
Concen: 50.781 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 164425
Ion Ratio Lower Upper
106 100
91 206.5 103.2 309.4

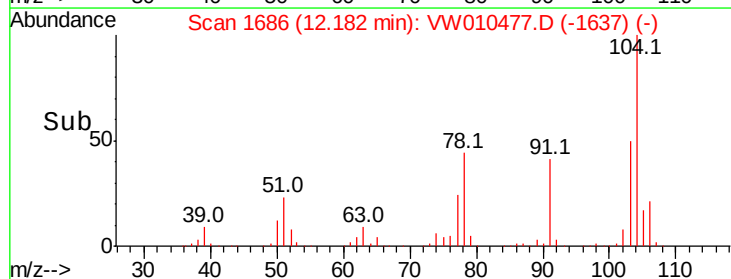
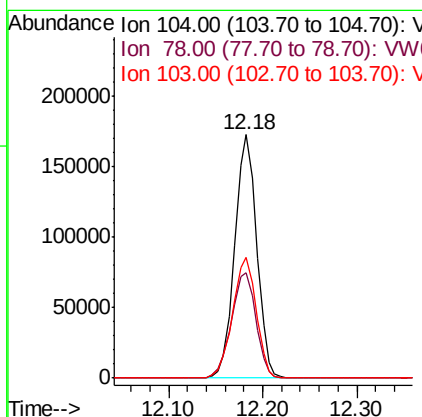
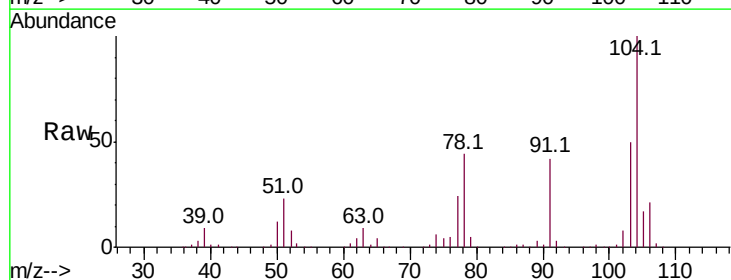
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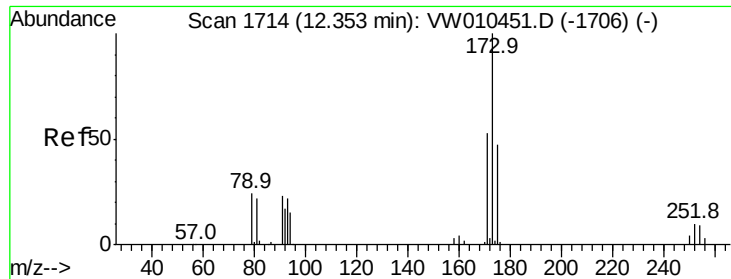
MMDadoda
5/22/2019 11:55:00 AM



#70
Styrene
Concen: 50.861 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:104 Resp: 279424
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 53.5 43.0 64.6





#71

Bromoform

Concen: 45.733 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

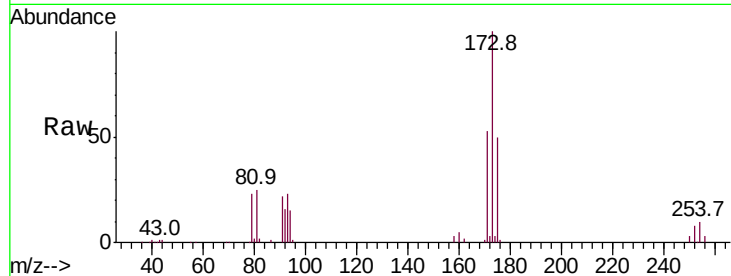
ClientSampleId :

VSTDCCC050

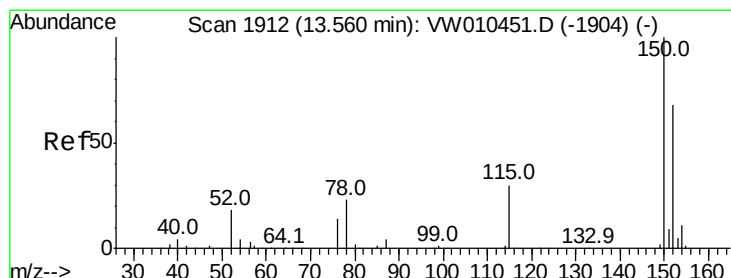
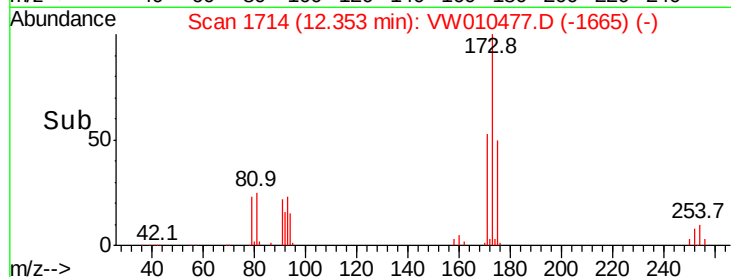
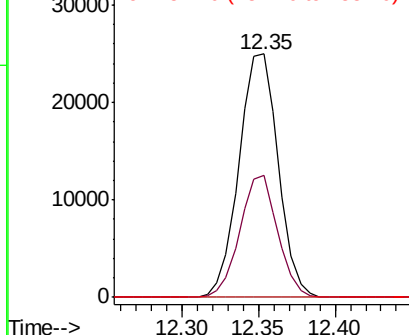
Tot Ion:	173	Resp:	44522
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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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

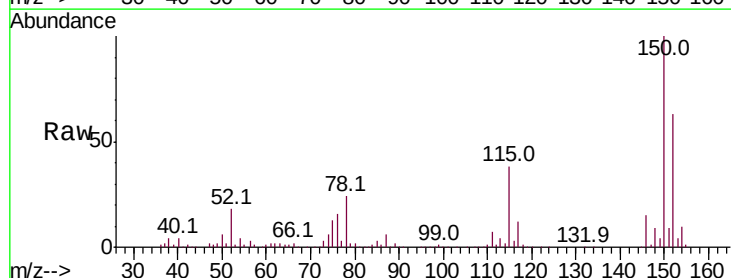
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

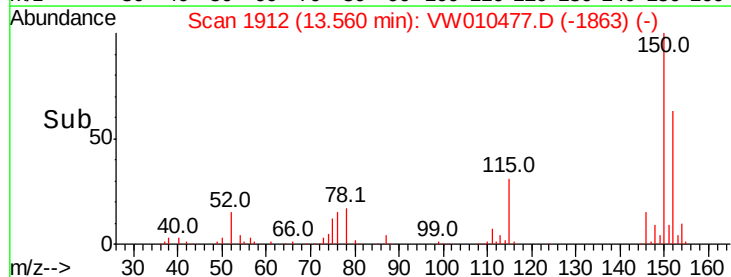
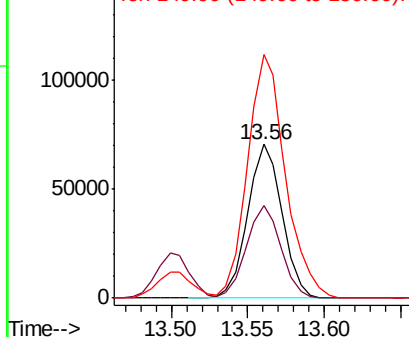
Lab File: VW010477.D

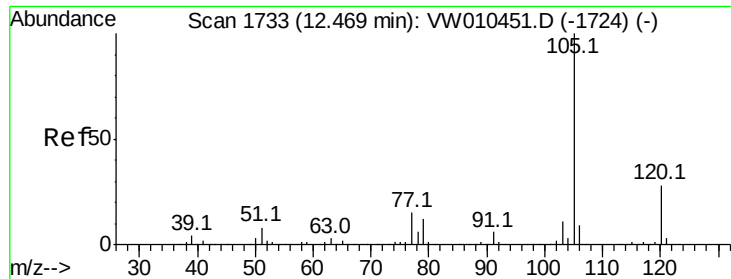
Acq: 21 May 2019 10:18

Tgt Ion:	152	Resp:	109814
Ion Ratio	Lower	Upper	
152	100		
115	60.4	30.3	91.0
150	174.3	0.0	349.8



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





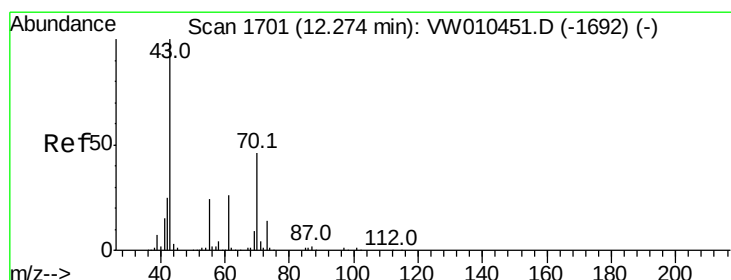
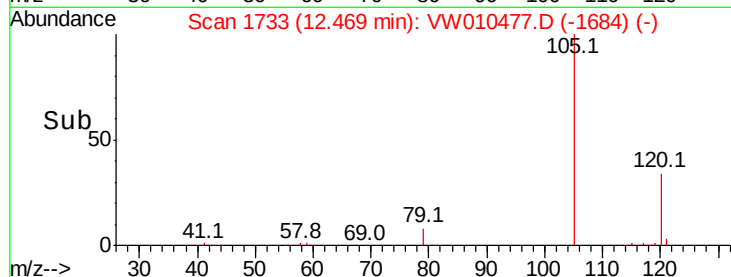
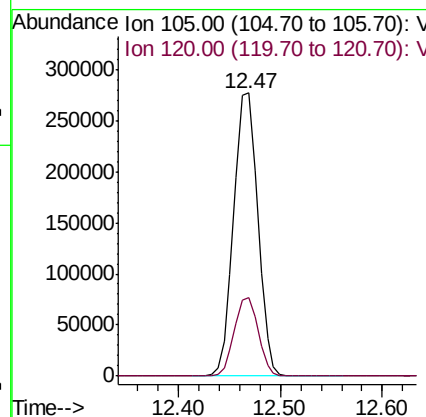
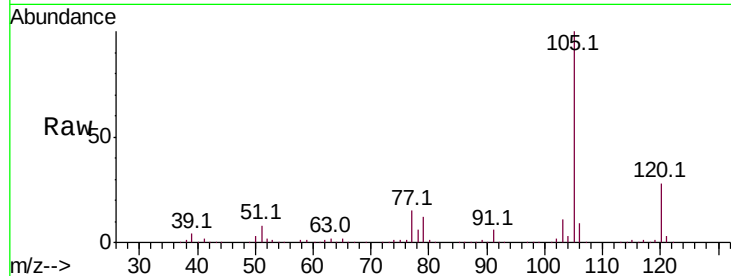
#73
Isopropylbenzene
Concen: 52.026 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 453363
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.7

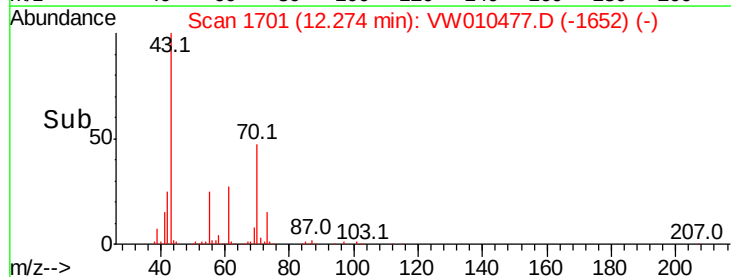
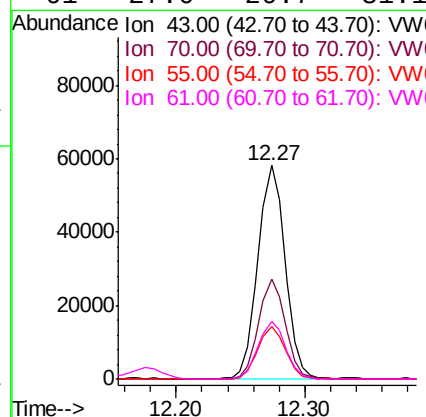
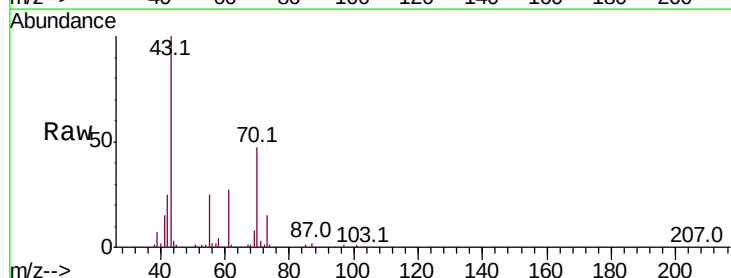
Manual Integrations
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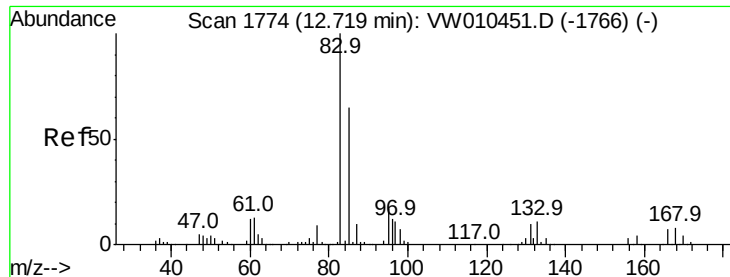
MMDadoda
5/22/2019 11:55:00 AM



#74
N-ethyl acetate
Concen: 42.733 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion: 43 Resp: 85333
Ion Ratio Lower Upper
43 100
70 45.9 37.1 55.7
55 25.2 19.6 29.4
61 27.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 44.581 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

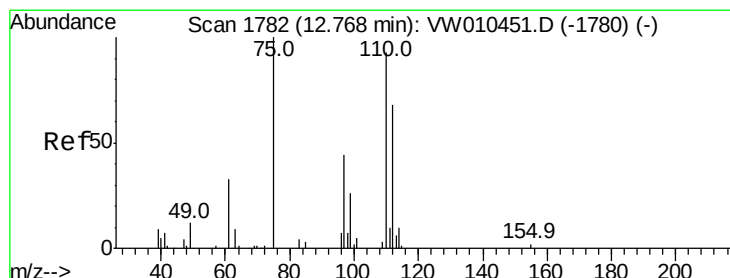
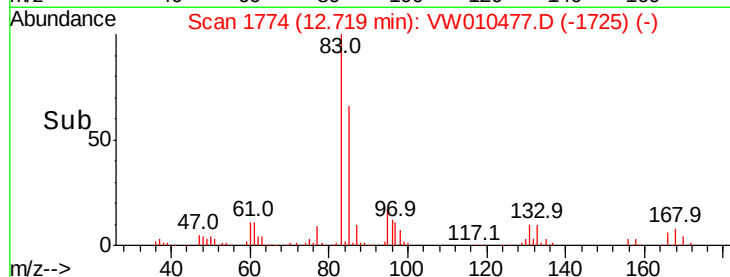
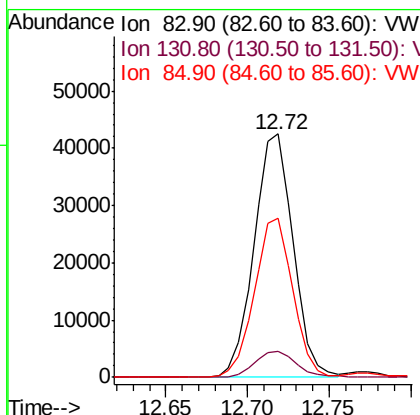
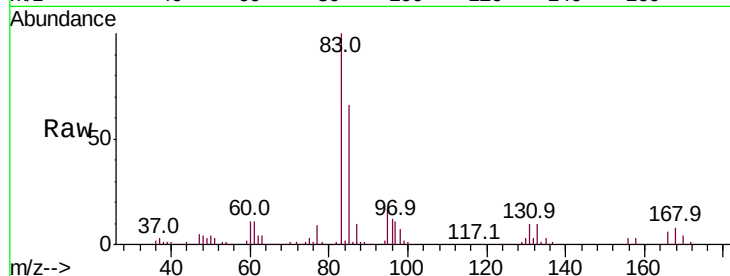
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	70660
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.6	16.8
85	64.4	32.4	97.0

Manual Integrations
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5/22/2019 11:55:00 AM



#76

1,2,3-Trichloropropane

Concen: 43.947 ug/l m

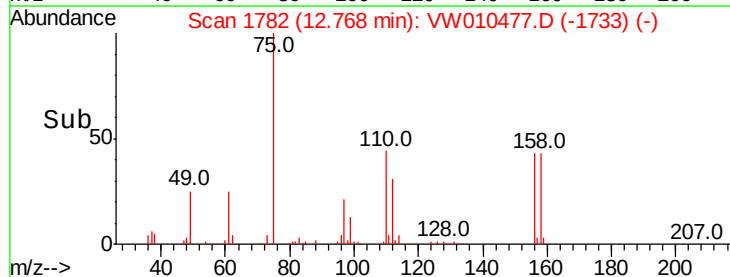
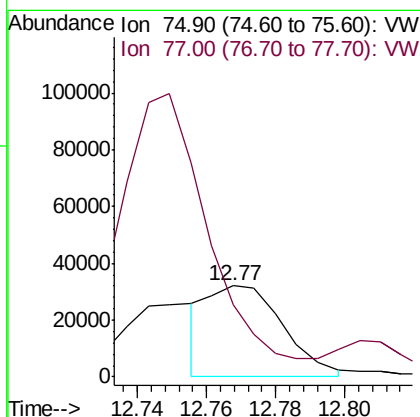
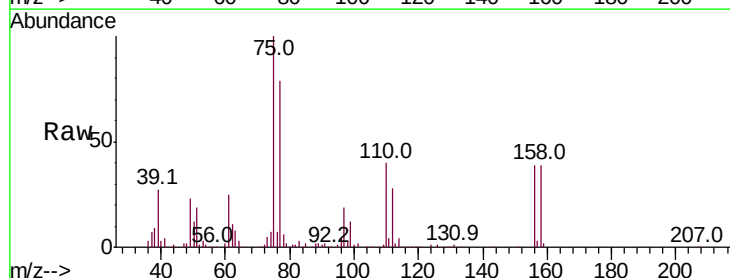
RT: 12.77 min Scan# 1782

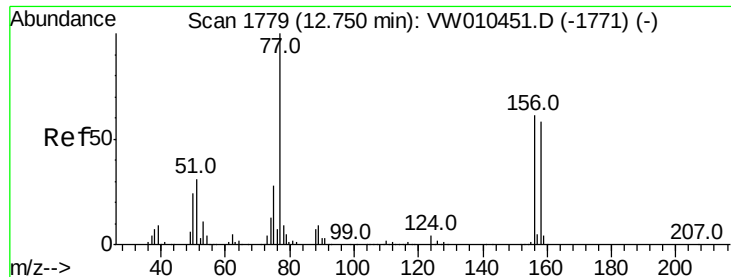
Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion:	75	Resp:	48987
Ion	Ratio	Lower	Upper
75	100		
77	370.2	170.0	510.1





#77

Bromobenzene

Concen: 51.481 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

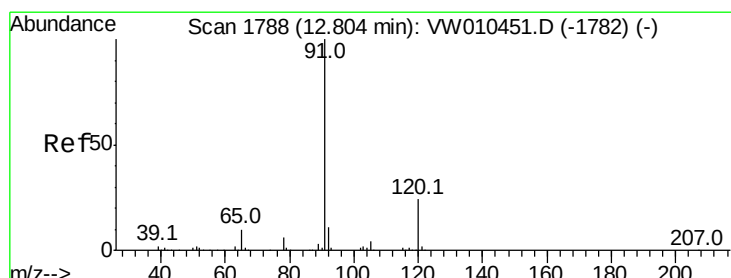
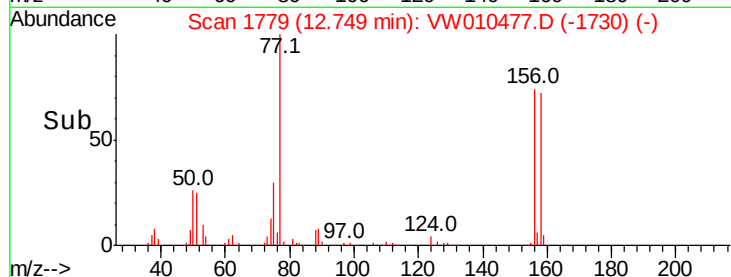
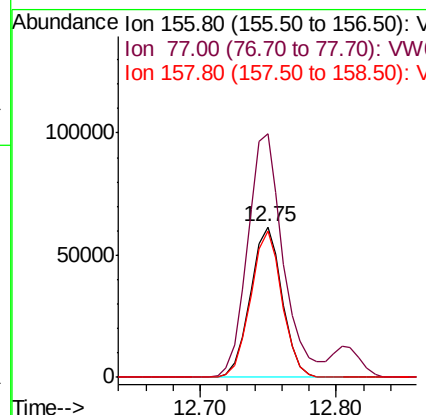
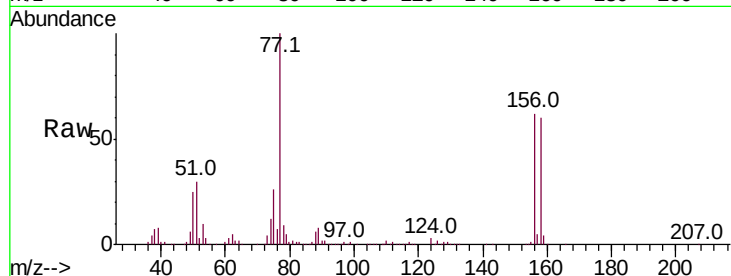
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.7	92.4	277.2
158	96.2	48.3	144.8

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#78

n-propylbenzene

Concen: 51.272 ug/l

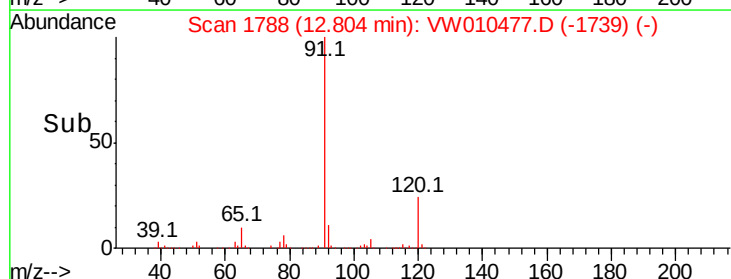
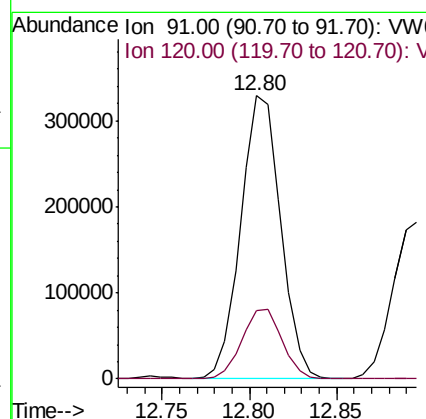
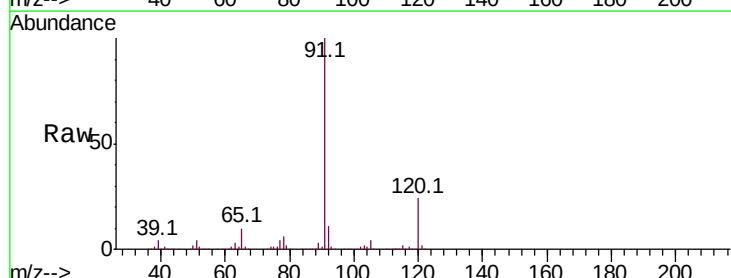
RT: 12.80 min Scan# 1788

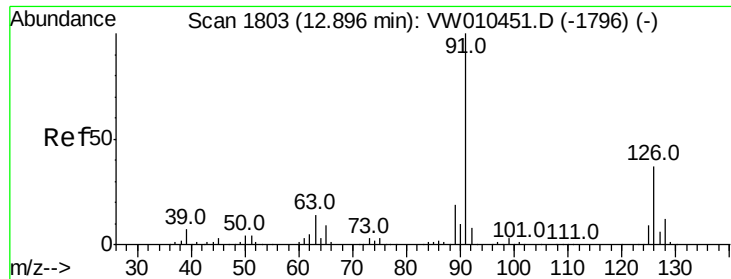
Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8





#79

2-Chlorotoluene

Concen: 50.735 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 298789

Ion Ratio Lower Upper

91 100

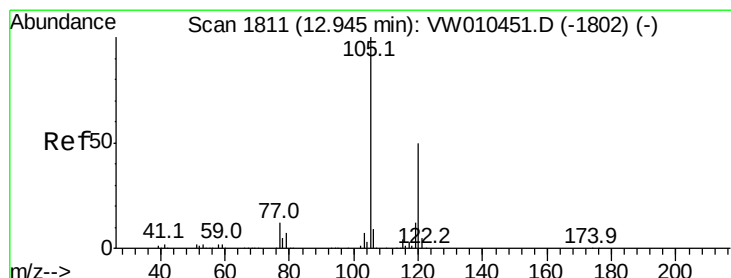
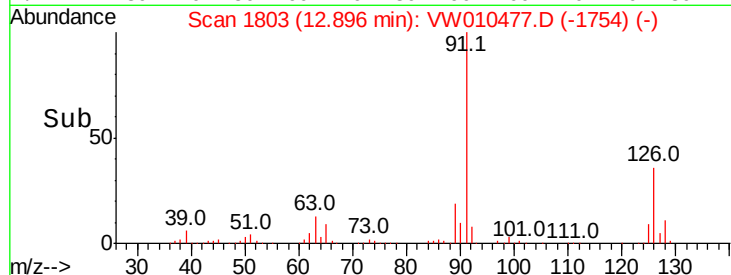
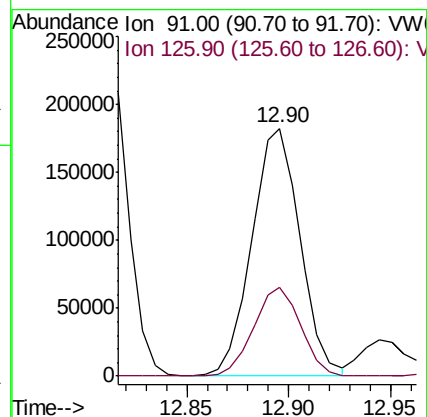
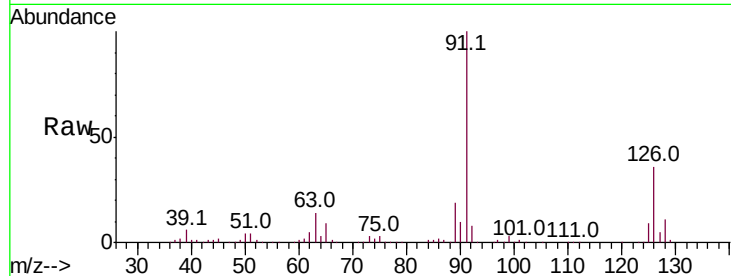
126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 51.174 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010477.D

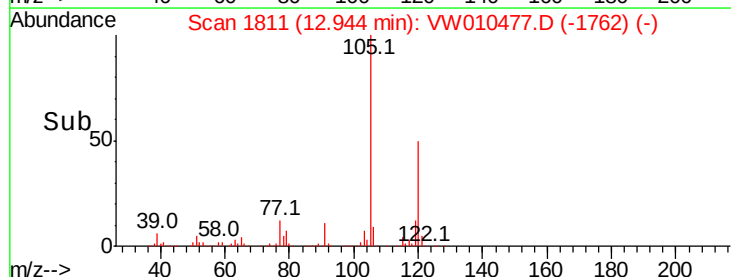
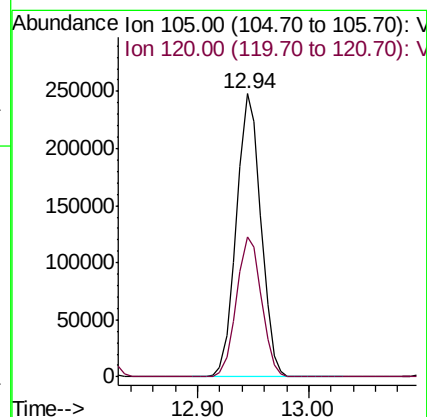
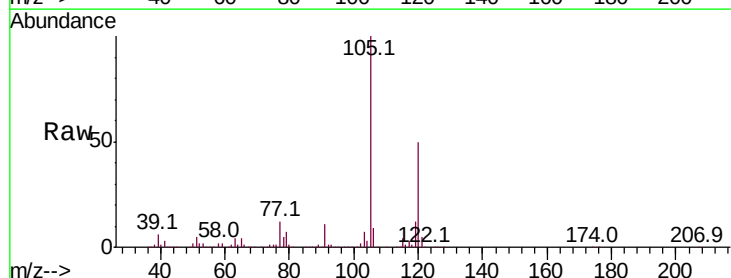
Acq: 21 May 2019 10:18

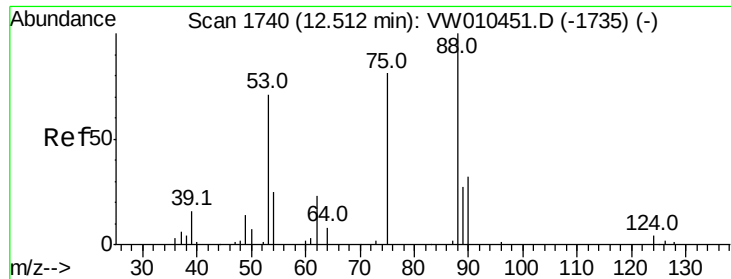
Tgt Ion:105 Resp: 377681

Ion Ratio Lower Upper

105 100

120 50.5 25.2 75.6





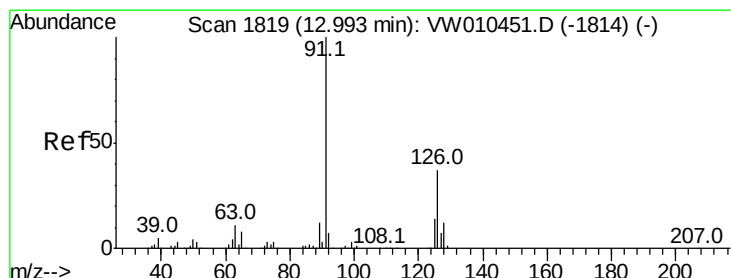
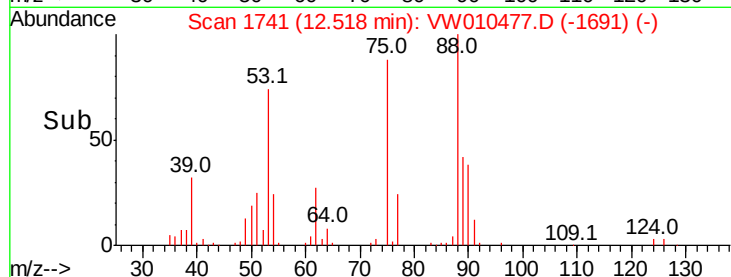
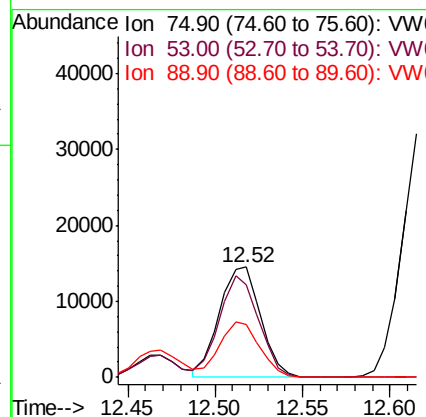
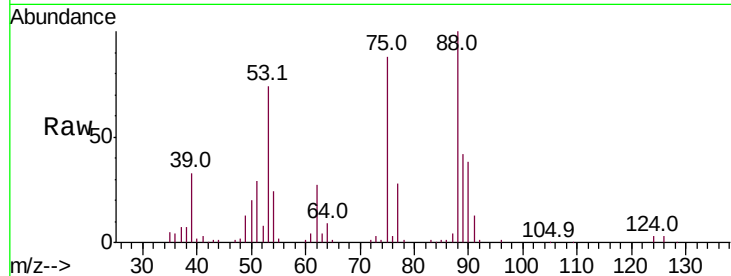
#81
trans-1,4-Dichloro-2-butene
Concen: 44.980 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	69.8	104.8
89	49.2	39.5	59.3

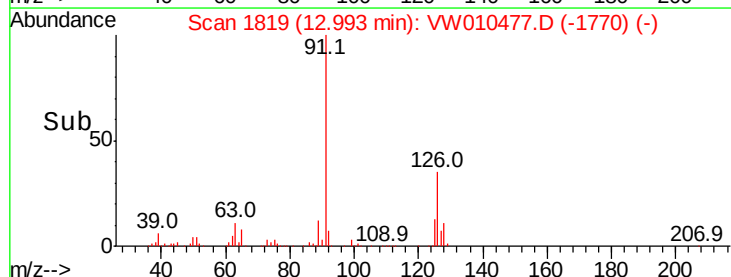
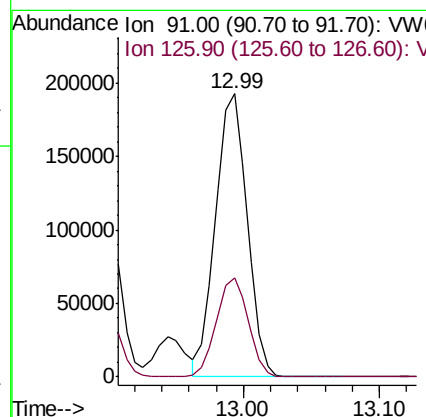
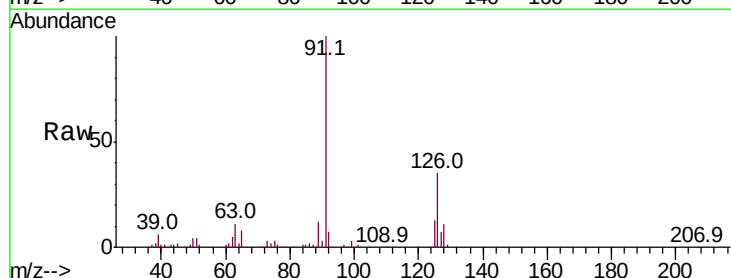
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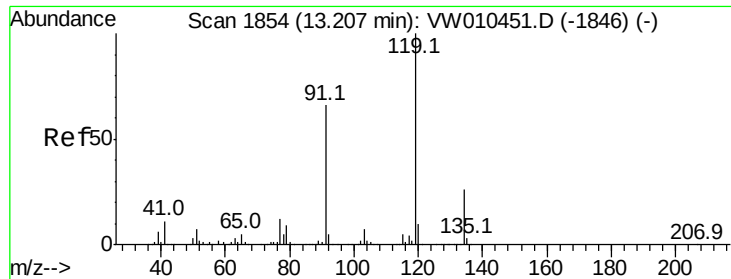
MMDadoda
5/22/2019 11:55:00 AM



#82
4-Chlorotoluene
Concen: 50.746 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





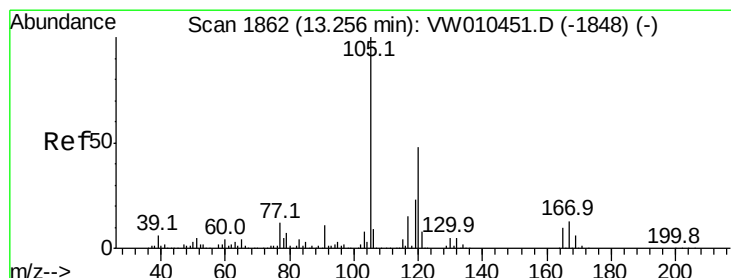
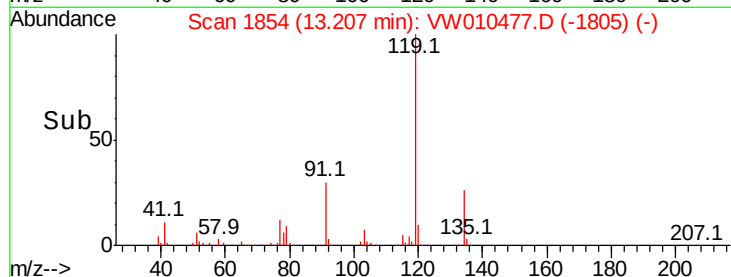
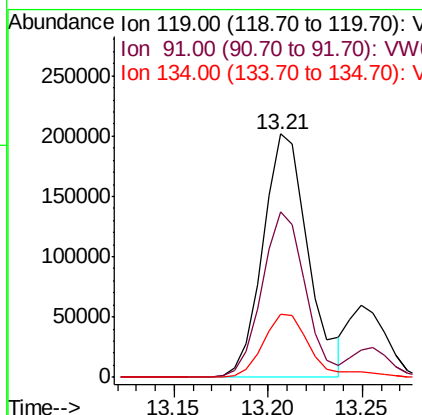
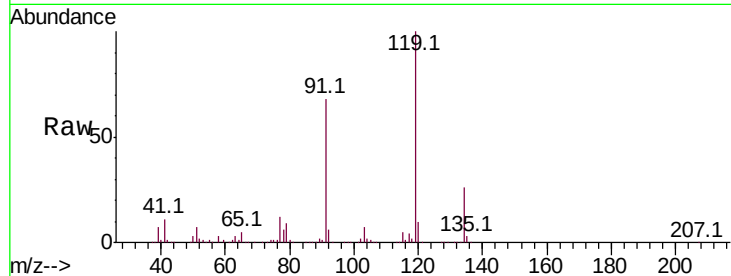
#83
 tert-Butylbenzene
 Concen: 52.088 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335798		
91	65.1	33.1	99.5	
134	27.4	13.9	41.6	

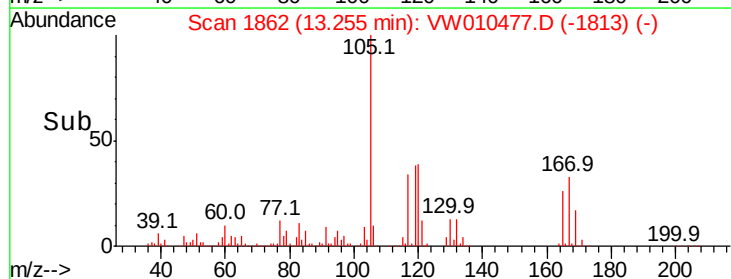
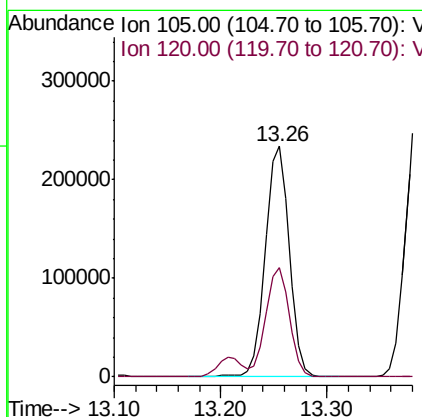
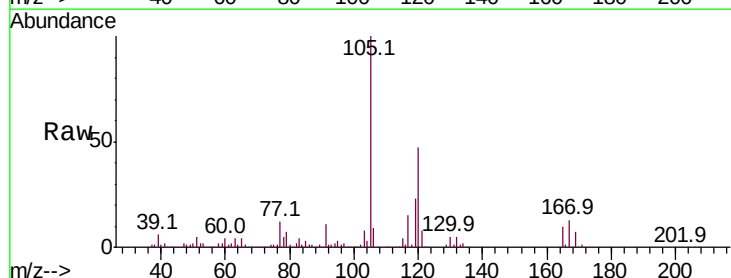
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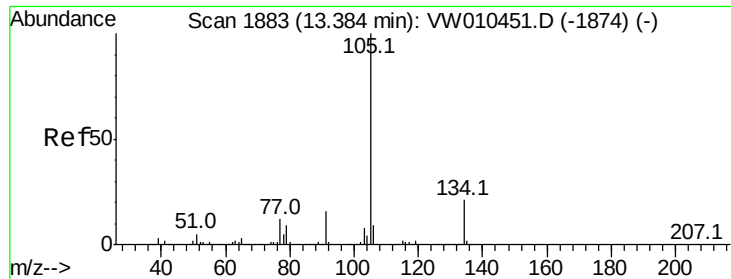
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.226 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010477.D
 Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369188		
120	46.9	23.4	70.2	





#85

sec-Butylbenzene

Concen: 50.645 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 456912

Ion Ratio Lower Upper

105 100

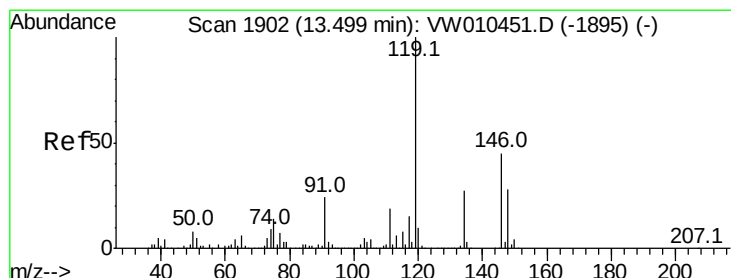
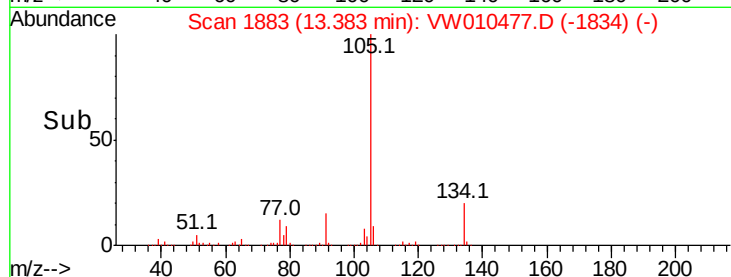
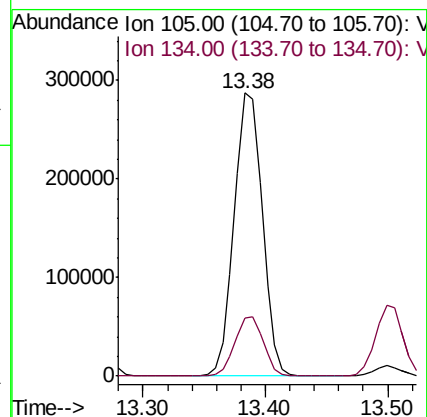
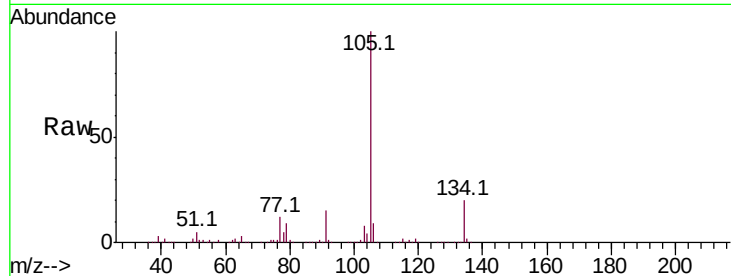
134 21.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 50.168 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

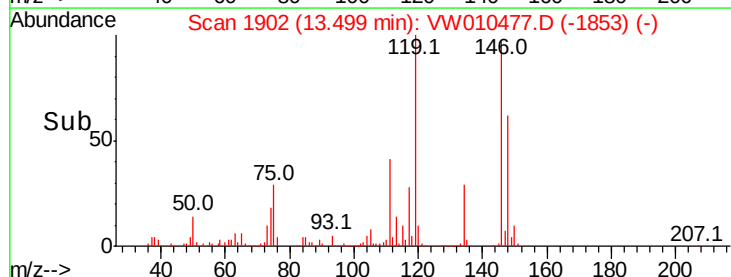
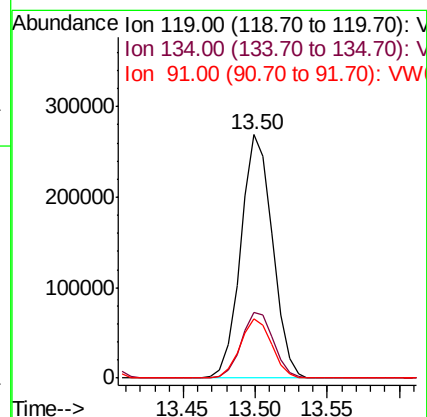
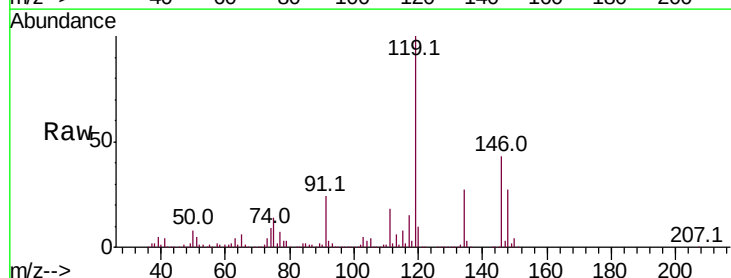
Tgt Ion:119 Resp: 409668

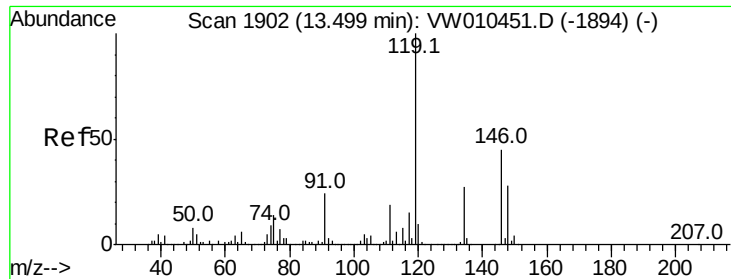
Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.7

91 24.1 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 49.728 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Instrument :

MSVOA_W

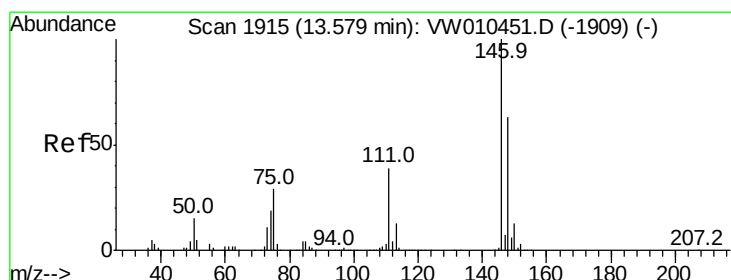
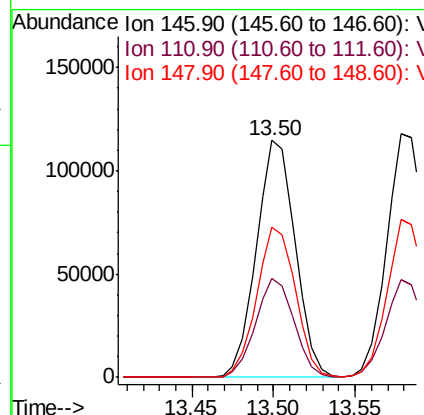
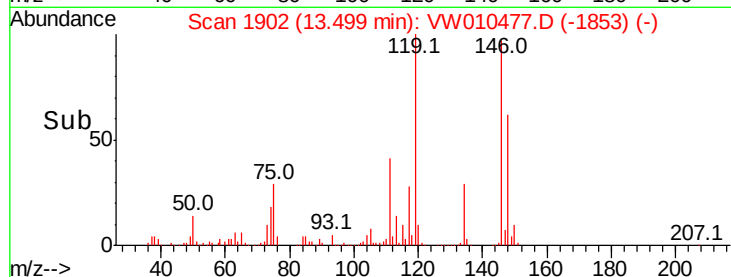
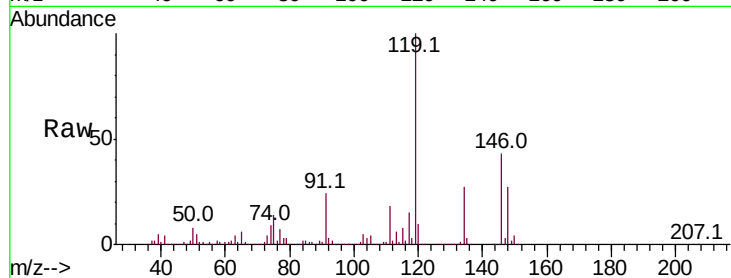
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	190253
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.3	60.9
148	63.3	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 50.499 ug/l

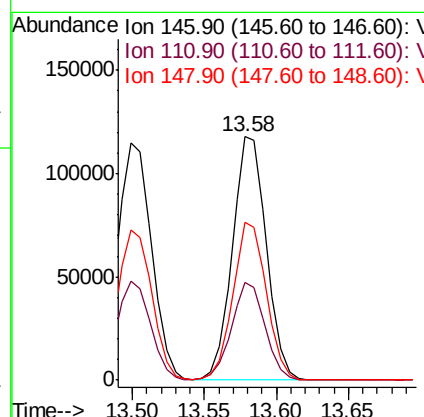
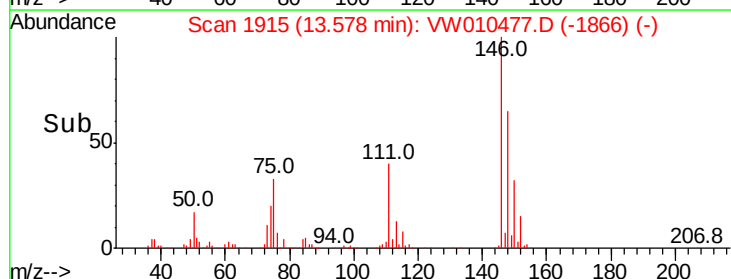
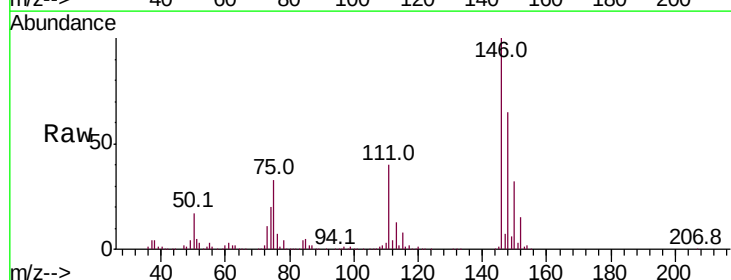
RT: 13.58 min Scan# 1915

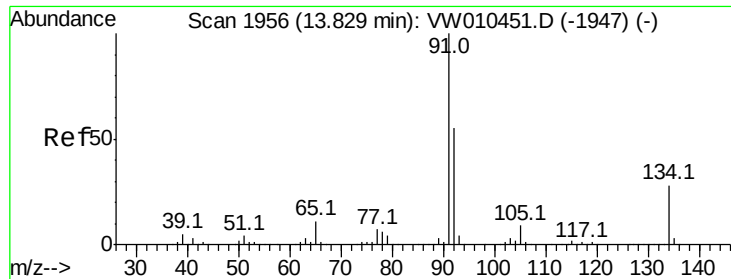
Delta R.T. -0.00 min

Lab File: VW010477.D

Acq: 21 May 2019 10:18

Tgt Ion:	146	Resp:	193845
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.9	59.6
148	64.0	31.6	94.8





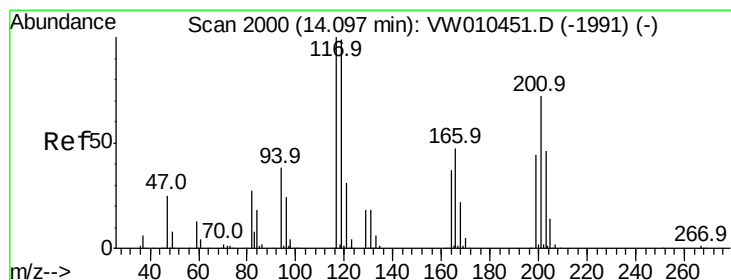
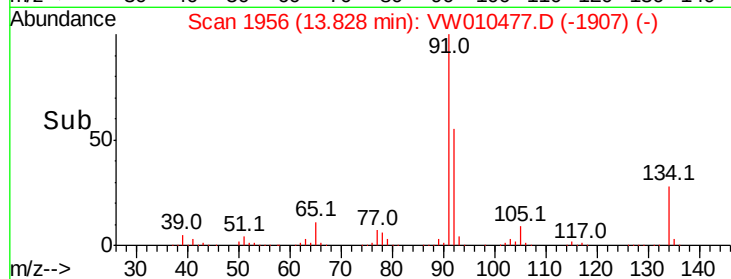
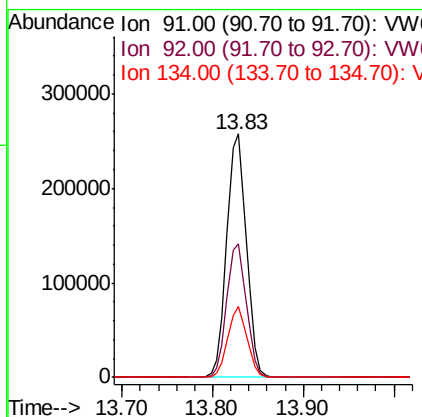
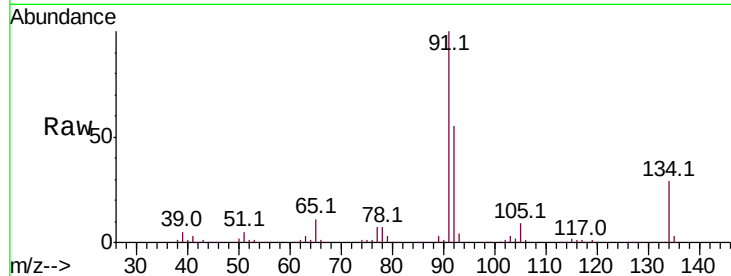
#89
n-Butylbenzene
Concen: 49.945 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	91	Resp:	387934
Ion Ratio	Lower	Upper	
91	100		
92	55.1	27.7	83.1
134	28.3	13.9	41.6

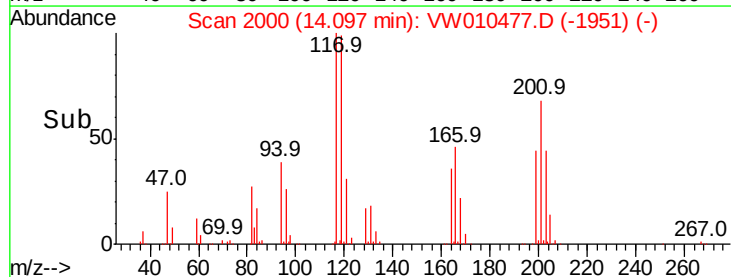
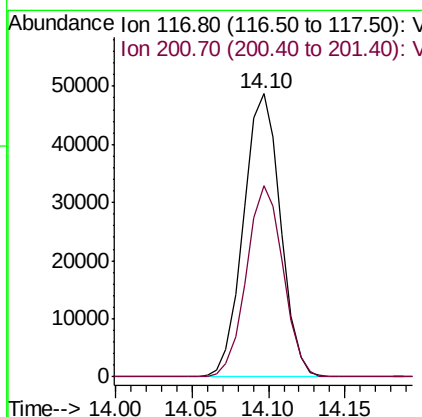
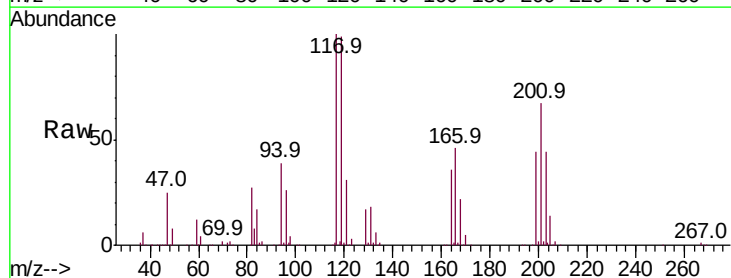
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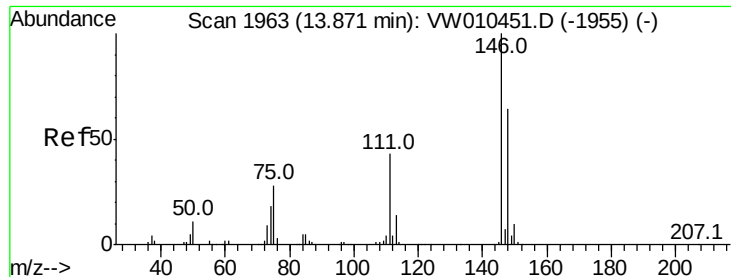
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#90
Hexachloroethane
Concen: 51.776 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion:	117	Resp:	81837
Ion Ratio	Lower	Upper	
117	100		
201	66.9	34.6	103.8





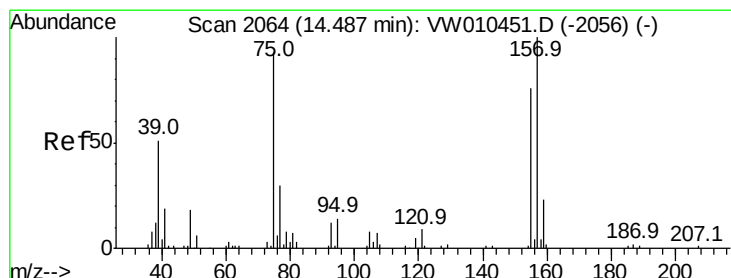
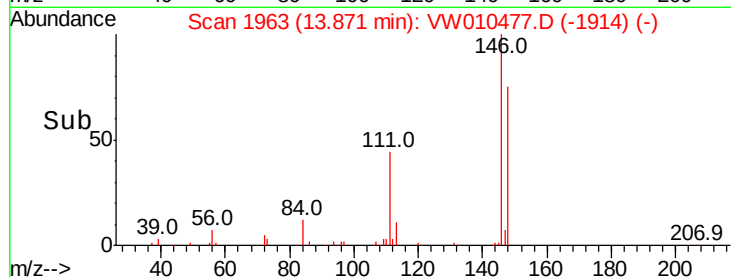
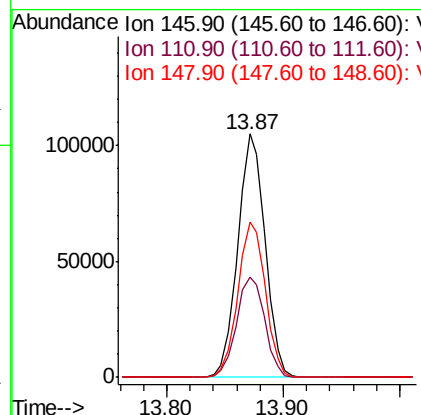
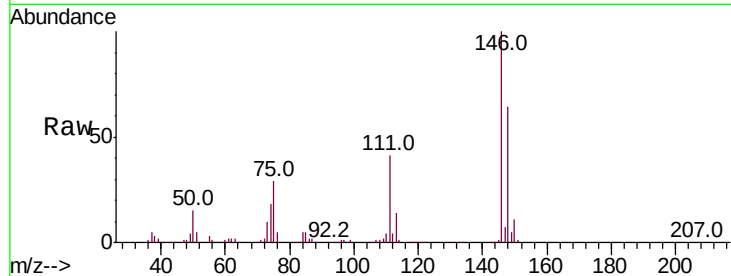
#91
1,2-Dichlorobenzene
Concen: 49.275 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	64.3	32.0	96.0

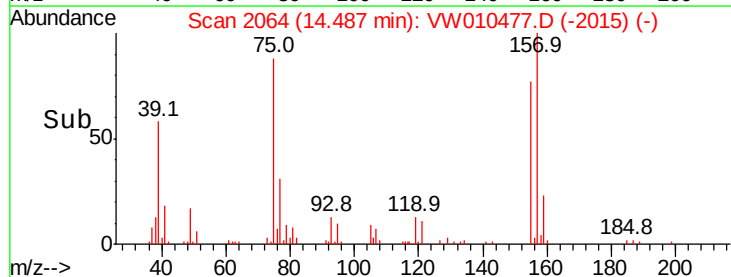
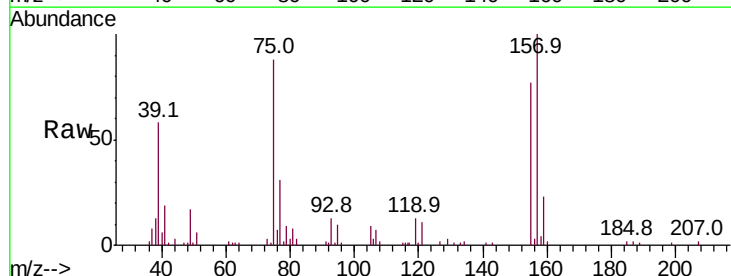
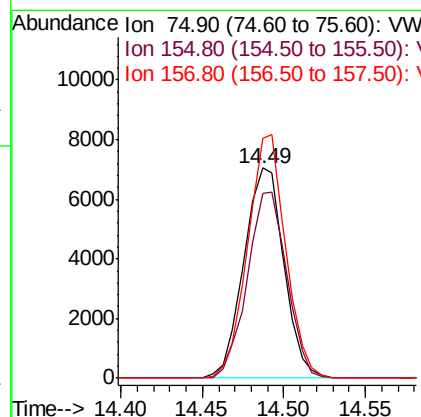
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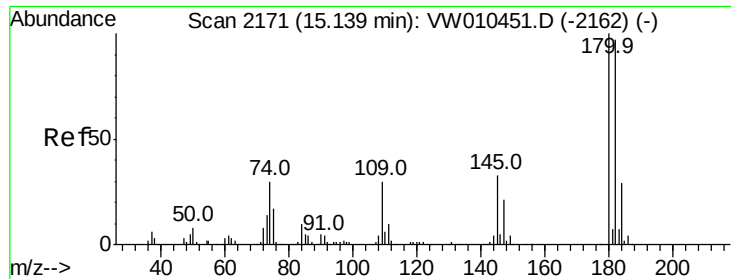
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#92
1,2-Dibromo-3-Chloropropane
Concen: 40.829 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	43.0	129.0
157	110.3	55.7	167.1





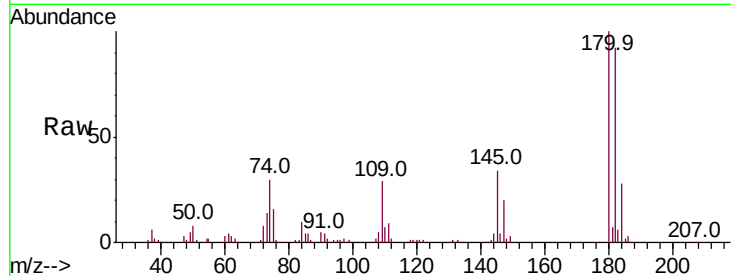
#93
1,2,4-Trichlorobenzene
Concen: 47.073 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.0	141.2	
145	33.9	16.7	50.0	

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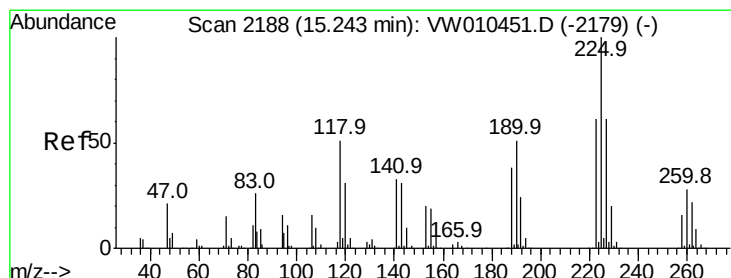
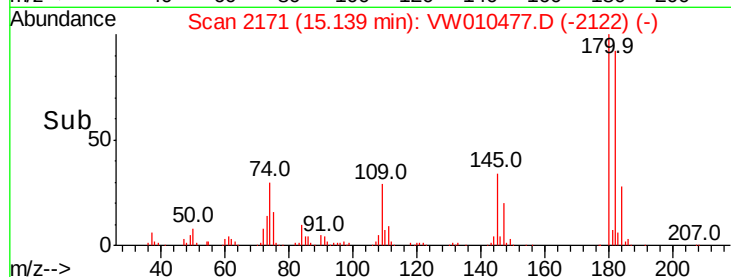
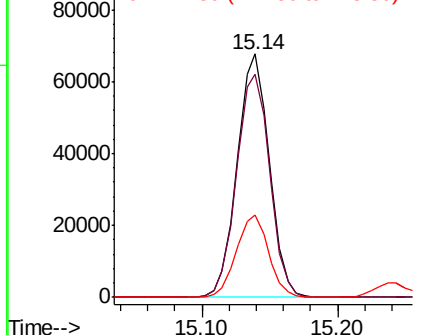


Abundance

Ion 179.80 (179.50 to 180.50): V

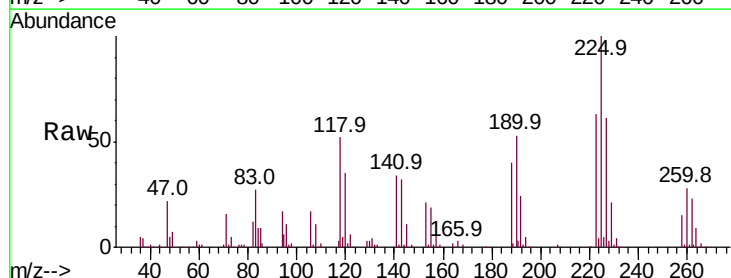
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 48.864 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.1	93.2	
227	63.6	31.1	93.5	

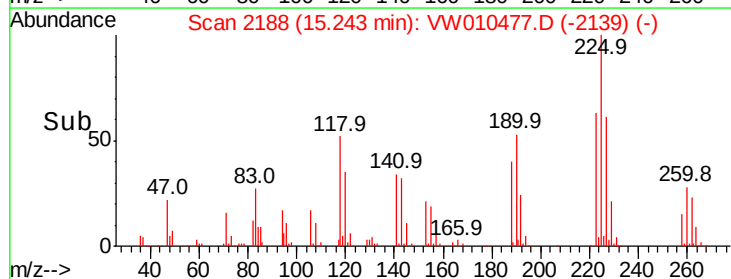
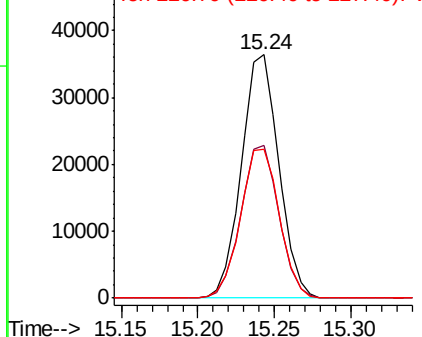


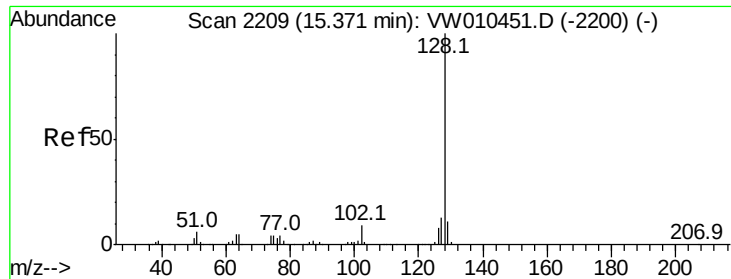
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





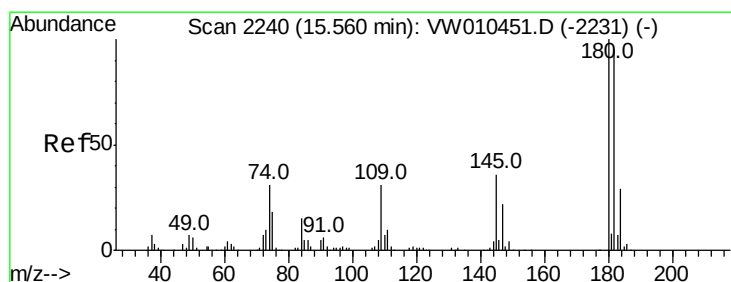
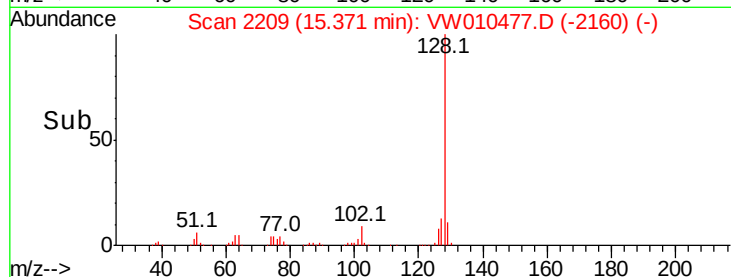
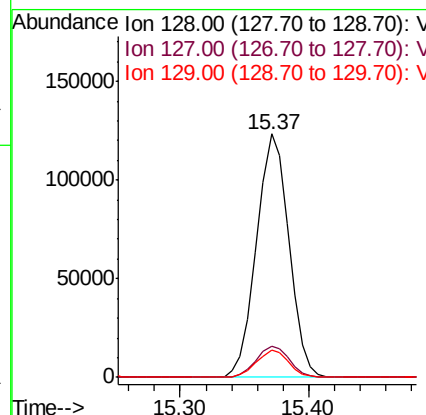
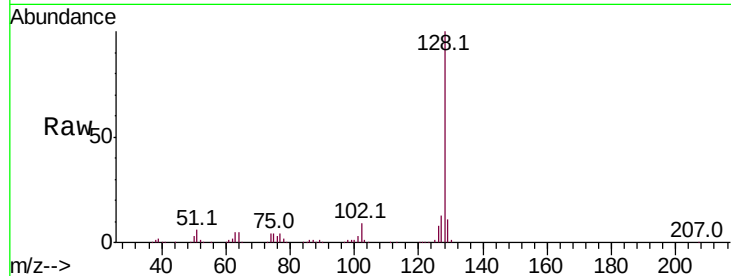
#95
Naphthalene
Concen: 43.088 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	214526		
127	13.0		10.6	15.8
129	11.1		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/22/2019 11:55:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.061 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010477.D
Acq: 21 May 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94005		
182	95.2		47.1	141.3
145	36.7		17.4	52.3

