

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010475.D
 Acq On : 21 May 2019 05:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:29:16 AM

Quant Time: May 21 07:35:29 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	130139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	250670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	228628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81059	60.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.70%	
35) Dibromofluoromethane	7.88	113	81416	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.32	98	293394	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.62	95	116311	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49645	42.779	ug/l	98
3) Chloromethane	2.21	50	62775	45.910	ug/l	100
4) Vinyl Chloride	2.35	62	66864	42.217	ug/l	99
5) Bromomethane	2.75	94	54233	49.774	ug/l	95
6) Chloroethane	2.90	64	49241	48.431	ug/l	99
7) Trichlorofluoromethane	3.25	101	108597	46.443	ug/l	98
8) Diethyl Ether	3.68	74	44704	60.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	66359	46.082	ug/l	100
10) Methyl Iodide	4.26	142	81214	49.342	ug/l	99
11) Tert butyl alcohol	5.16	59	37759	312.510	ug/l	100
12) 1,1-Dichloroethene	4.03	96	65795	47.865	ug/l	97
13) Acrolein	3.89	56	15919	223.770	ug/l	98
14) Allyl chloride	4.67	41	103834	52.185	ug/l	99
15) Acrylonitrile	5.36	53	92827	299.033	ug/l	98
16) Acetone	4.12	43	71926	262.323	ug/l	99
17) Carbon Disulfide	4.37	76	196440	47.911	ug/l	99
18) Methyl Acetate	4.67	43	45605	68.008	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	214047	61.081	ug/l	97
20) Methylene Chloride	4.91	84	82835	51.656	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	83835	53.171	ug/l	95
22) Diisopropyl ether	6.31	45	235540	57.732	ug/l	98
23) Vinyl Acetate	6.25	43	677675	278.066	ug/l	100
24) 1,1-Dichloroethane	6.21	63	136088	55.895	ug/l	99
25) 2-Butanone	7.17	43	115600	294.606	ug/l	99
26) 2,2-Dichloropropane	7.17	77	97241	41.929	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	98525	57.477	ug/l	96
28) Bromochloromethane	7.51	49	55388	63.540	ug/l	96
29) Tetrahydrofuran	7.52	42	80019	301.367	ug/l	99
30) Chloroform	7.68	83	150149	57.174	ug/l	99
31) Cyclohexane	7.95	56	109209	42.821	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	129937	51.767	ug/l	99
36) 1,1-Dichloropropene	8.08	75	105256	45.075	ug/l	99
37) Ethyl Acetate	7.25	43	53794	54.173	ug/l	99
38) Carbon Tetrachloride	8.06	117	112842	44.796	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	130027	41.562	ug/l	99
40) Benzene	8.32	78	326959	50.376	ug/l	98
41) Methacrylonitrile	7.48	41	32200	54.575	ug/l	97
42) 1,2-Dichloroethane	8.40	62	100823	54.352	ug/l	100
43) Isopropyl Acetate	8.42	43	107676	54.278	ug/l	99
44) Trichloroethene	9.09	130	94006	48.788	ug/l	97
45) 1,2-Dichloropropane	9.37	63	80076	51.949	ug/l	100
46) Dibromomethane	9.46	93	49472	54.880	ug/l	100
47) Bromodichloromethane	9.64	83	120191	53.056	ug/l	99
48) Methyl methacrylate	9.43	41	48043	52.936	ug/l	98
49) 1,4-Dioxane	9.45	88	16221	1101.521	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	270111	268.704	ug/l	100
52) Toluene	10.39	92	215612	49.467	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	115214	50.217	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	132827	50.693	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	71112	54.857	ug/l	98
56) Ethyl methacrylate	10.65	69	94410	52.807	ug/l	98
57) 1,3-Dichloropropane	10.93	76	118582	54.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	232442	293.530	ug/l	99
59) 2-Hexanone	10.97	43	185580	258.798	ug/l	99
60) Dibromochloromethane	11.13	129	89408	54.497	ug/l	100
61) 1,2-Dibromoethane	11.23	107	71845	54.712	ug/l	100
64) Tetrachloroethene	10.86	164	82698	51.889	ug/l	98
65) Chlorobenzene	11.66	112	239679	49.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	88499	50.702	ug/l	99
67) Ethyl Benzene	11.73	91	401737	46.699	ug/l	100
68) m/p-Xylenes	11.84	106	317077	93.969	ug/l	100
69) o-Xylene	12.16	106	153852	48.125	ug/l	99
70) Styrene	12.18	104	268505	49.500	ug/l	99
71) Bromoform	12.35	173	51250	53.319	ug/l #	98
73) Isopropylbenzene	12.47	105	394879	45.897	ug/l	100
74) N-amyl acetate	12.27	43	97731	49.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	82393	52.651	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	57044m	51.833	ug/l	
77) Bromobenzene	12.75	156	99210	51.529	ug/l	99
78) n-propylbenzene	12.80	91	450082	44.890	ug/l	100
79) 2-Chlorotoluene	12.90	91	276587	47.568	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	346065	47.493	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	24030	45.570	ug/l	99
82) 4-Chlorotoluene	12.99	91	289459	47.961	ug/l	99
83) tert-Butylbenzene	13.21	119	296626	46.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	345904	47.663	ug/l	100
85) sec-Butylbenzene	13.38	105	391488	43.951	ug/l	99
86) p-Isopropyltoluene	13.50	119	357752	44.373	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	181900	48.156	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	183454	48.406	ug/l	99
89) n-Butylbenzene	13.83	91	320699	41.819	ug/l	99
90) Hexachloroethane	14.10	117	73526	47.116	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	172795	50.205	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14368	49.378	ug/l	98

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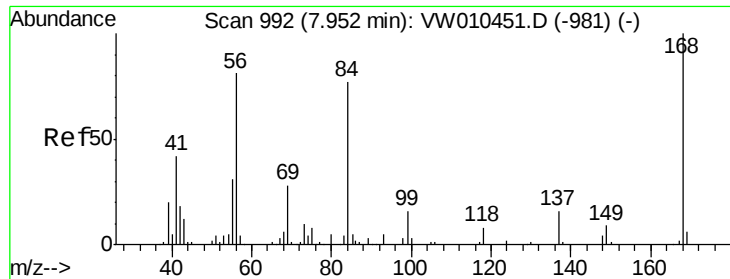
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105346	44.986	ug/l	100
94) Hexachlorobutadiene	15.24	225	51244	40.962	ug/l	98
95) Naphthalene	15.37	128	236216	48.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	90979	45.151	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 130139

Ion Ratio Lower Upper

168 100

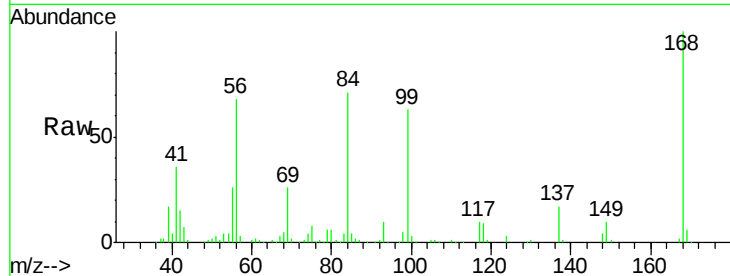
99 62.7 46.1 69.1

Manual Integrations

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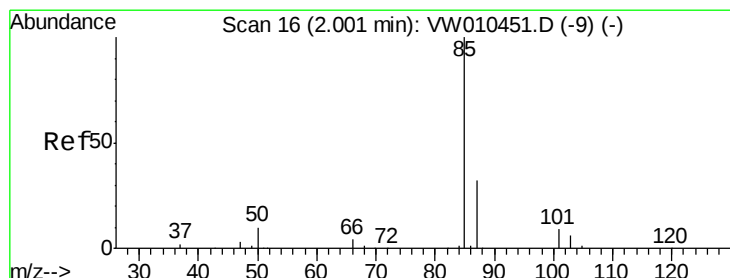
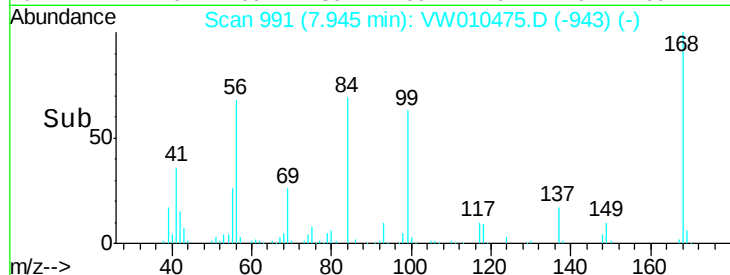
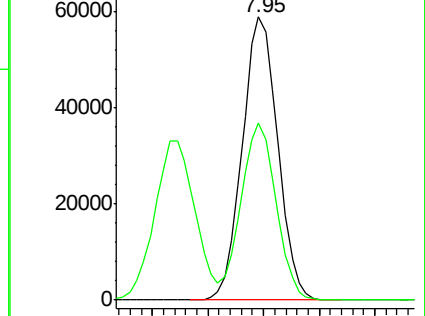
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 42.779 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010475.D

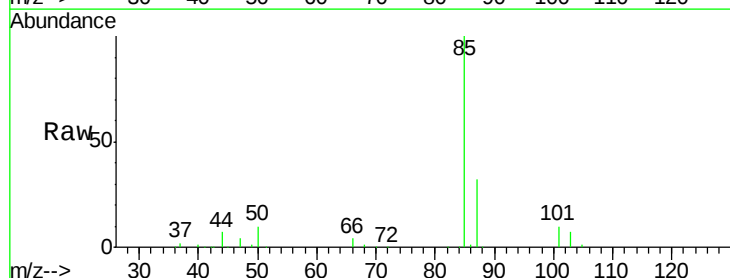
Acq: 21 May 2019 05:00

Tgt Ion: 85 Resp: 49645

Ion Ratio Lower Upper

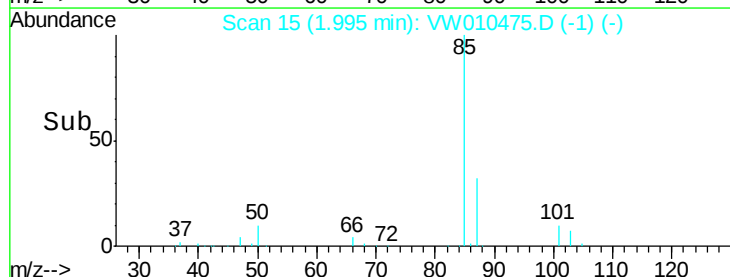
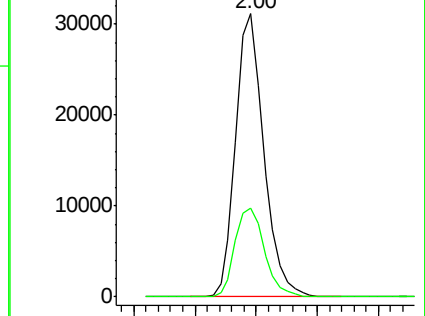
85 100

87 31.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.910 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 62775

Ion Ratio Lower Upper

50 100

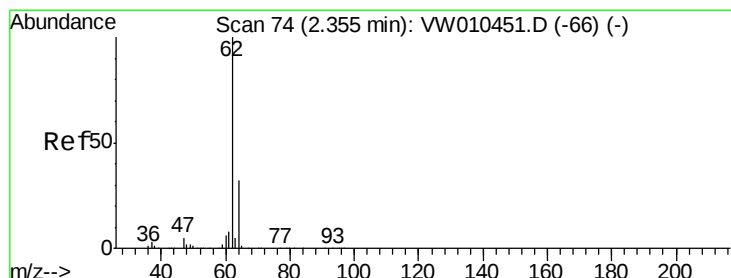
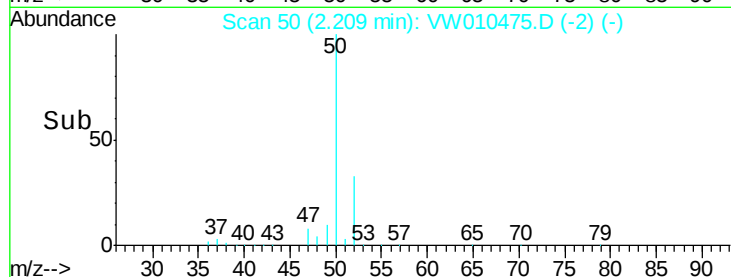
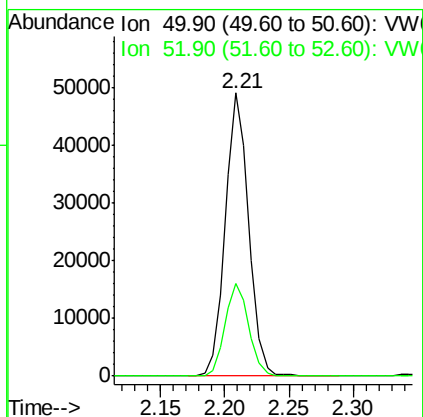
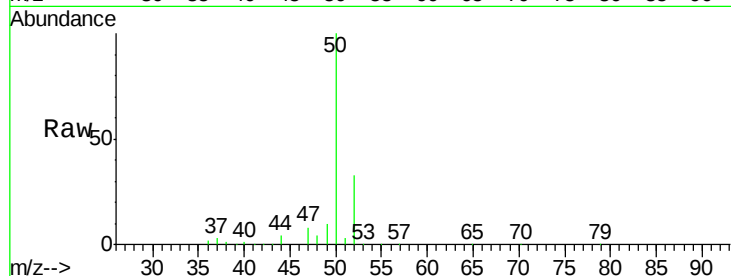
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.217 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010475.D

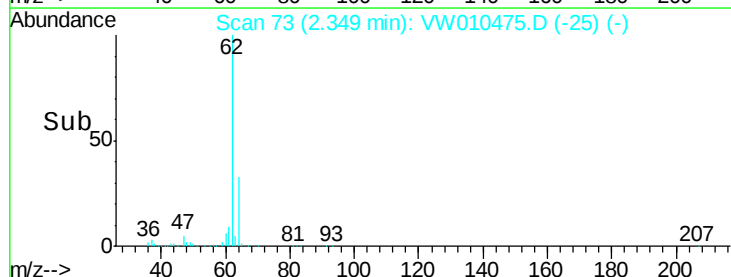
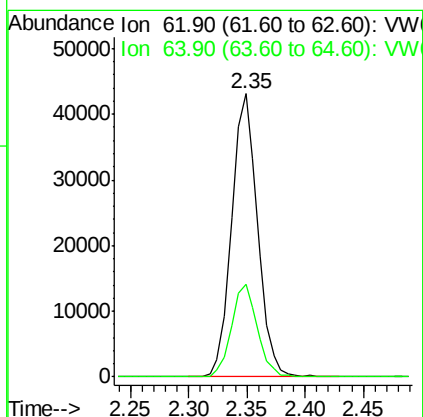
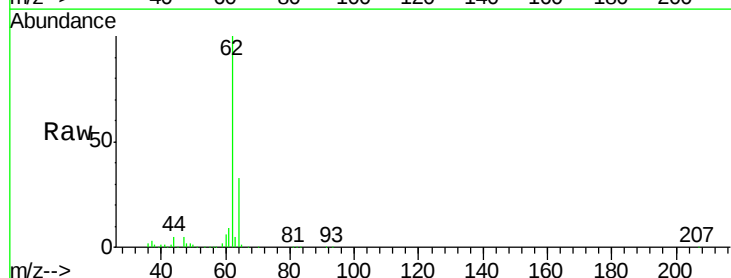
Acq: 21 May 2019 05:00

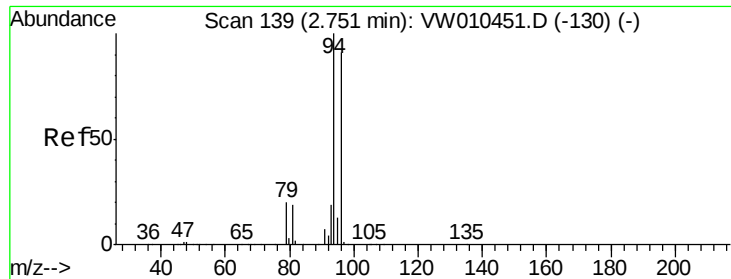
Tgt Ion: 62 Resp: 66864

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 49.774 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 54233

Ion Ratio Lower Upper

94 100

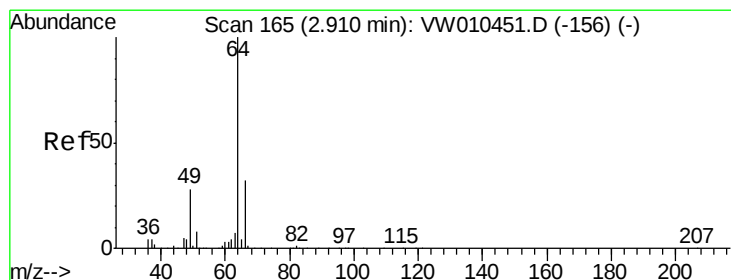
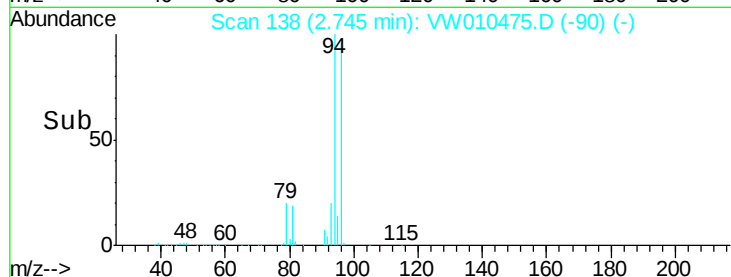
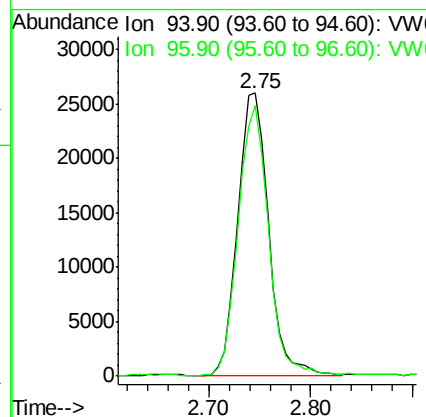
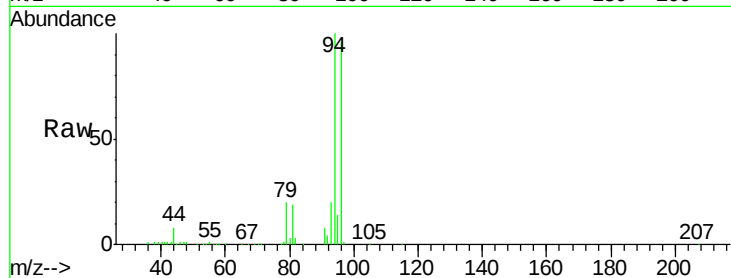
96 95.6 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 48.431 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010475.D

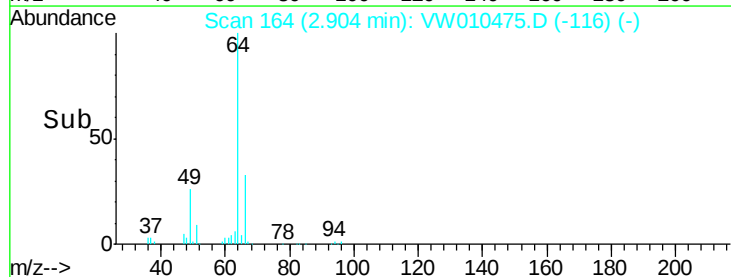
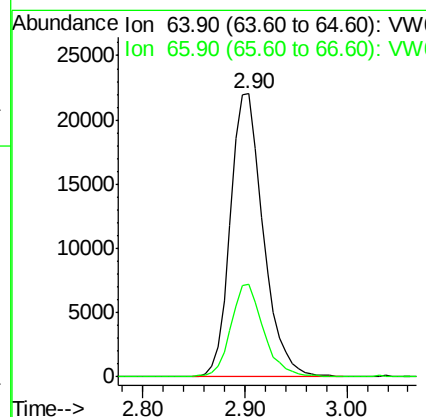
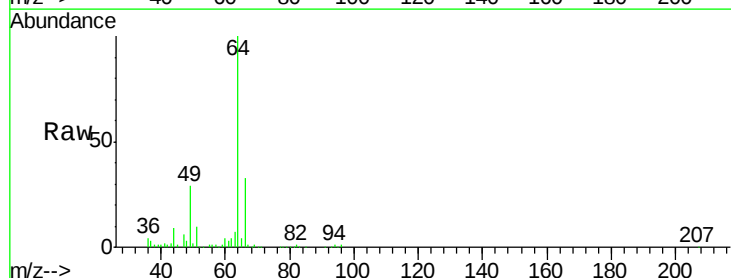
Acq: 21 May 2019 05:00

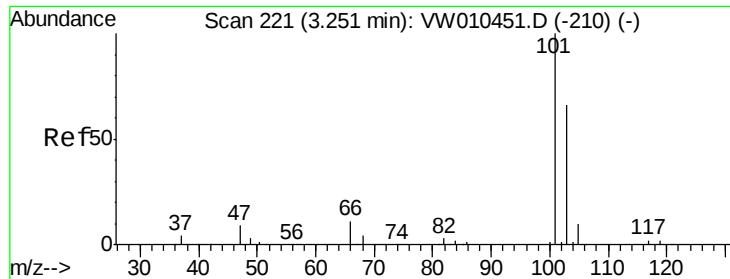
Tgt Ion: 64 Resp: 49241

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

Trichlorofluoromethane

Concen: 46.443 ug/l

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW010475.D

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Tot Ion:101 Resp: 108597

Ion Ratio Lower Upper

101 100

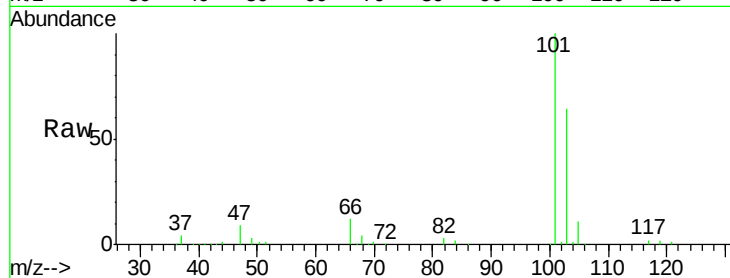
103 64.4 53.0 79.4

Manual Integrations

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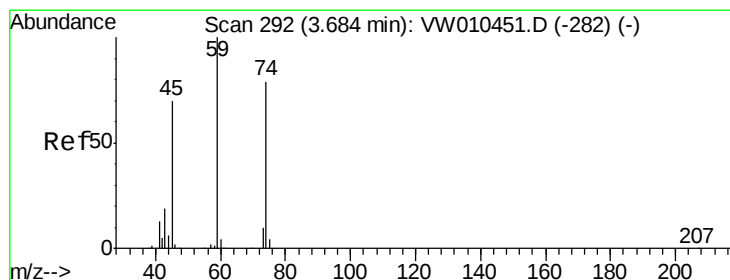
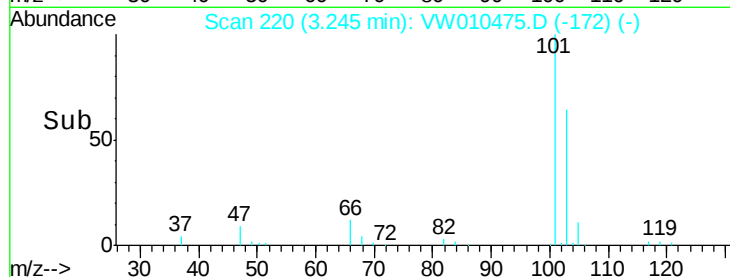
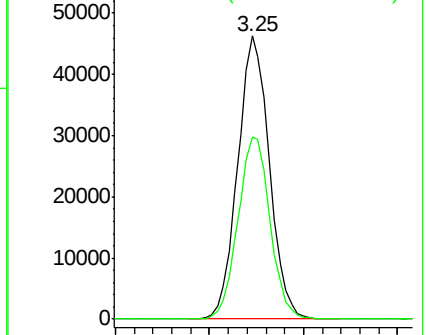
MMDadoda

5/21/2019 11:29:16 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 60.311 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW010475.D

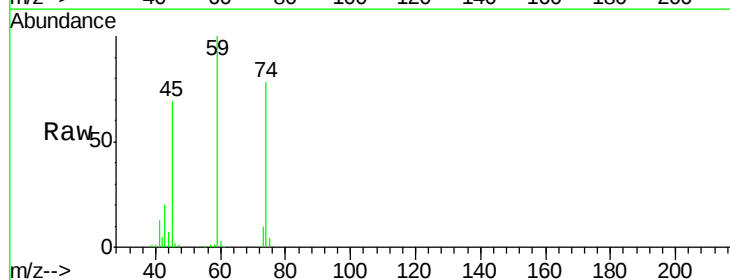
Acq: 21 May 2019 05:00

Tgt Ion: 74 Resp: 44704

Ion Ratio Lower Upper

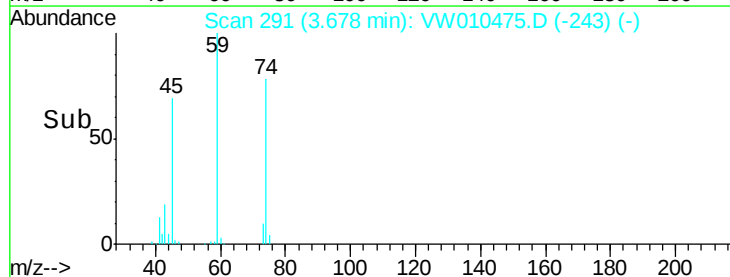
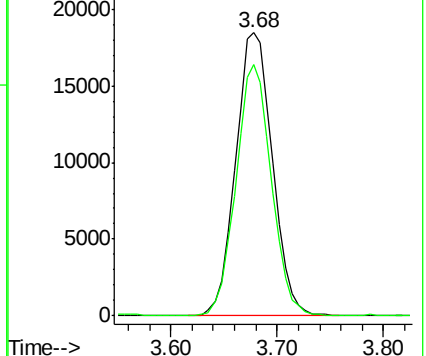
74 100

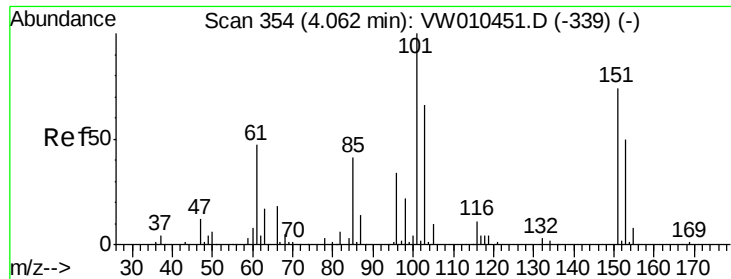
45 85.6 42.9 128.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.082 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

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MSVOA_W

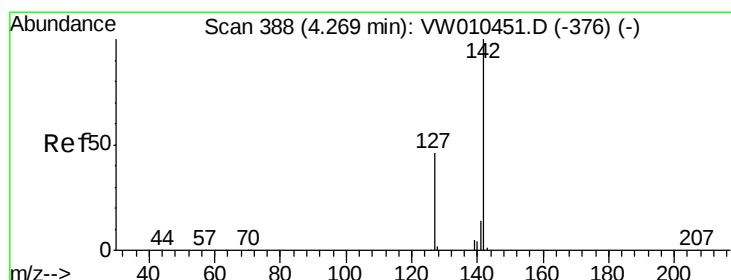
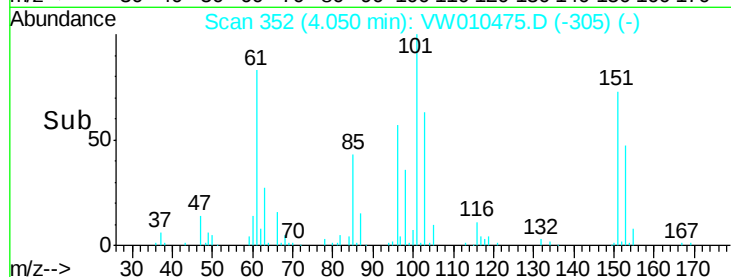
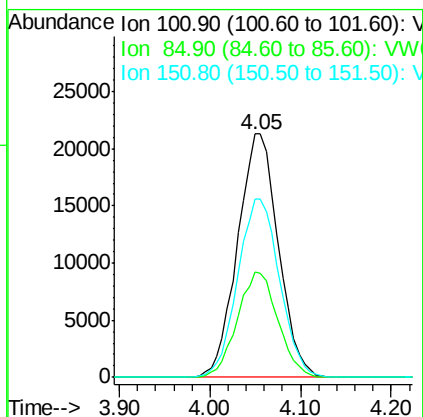
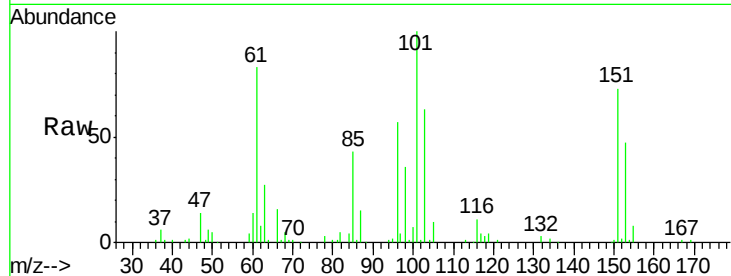
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	66359
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.3	51.5
151	75.2	60.3	90.5

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#10

Methyl Iodide

Concen: 49.342 ug/l

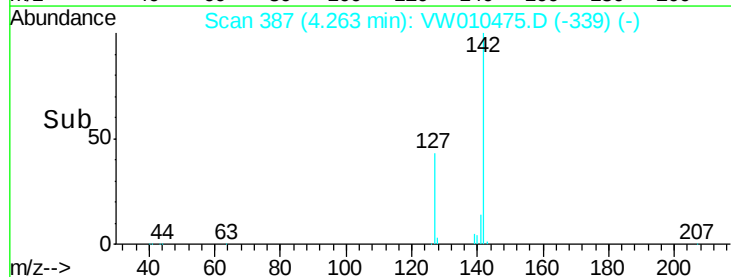
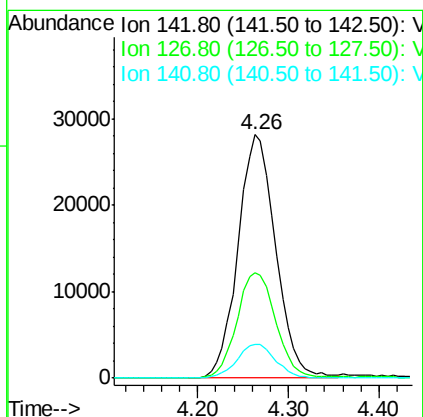
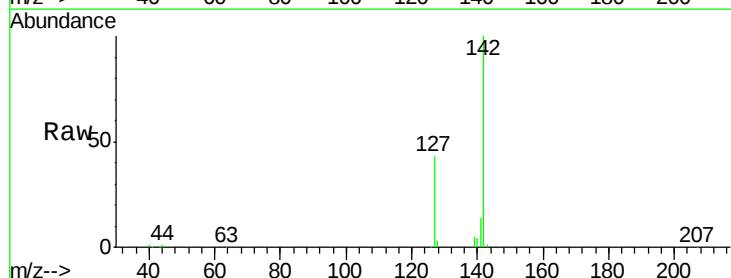
RT: 4.26 min Scan# 387

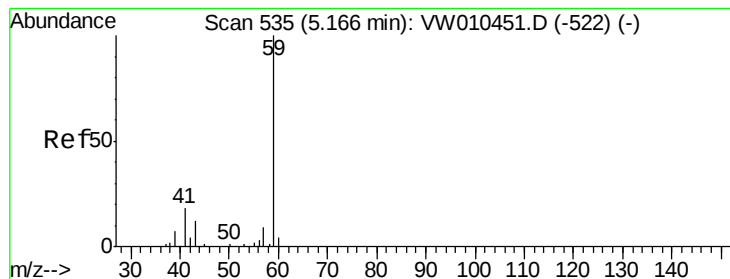
Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion:	142	Resp:	81214
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.1	54.1
141	14.3	11.3	16.9





#11

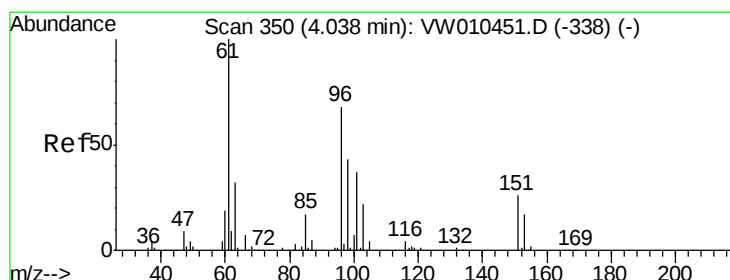
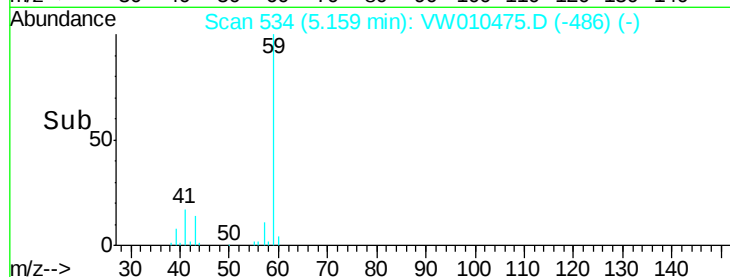
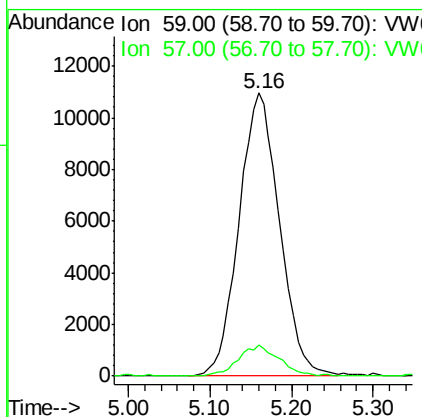
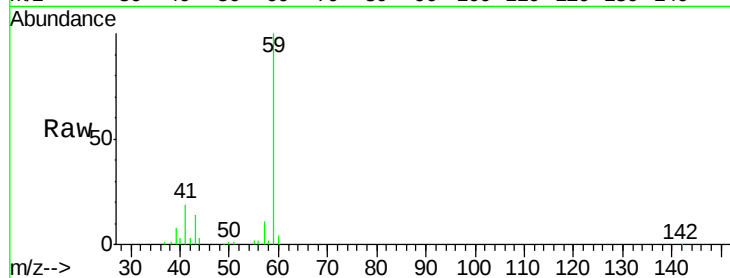
Tert butyl alcohol
 Concen: 312.510 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	37759
Ion Ratio	100	Lower	Upper
57	10.9	8.8	13.2

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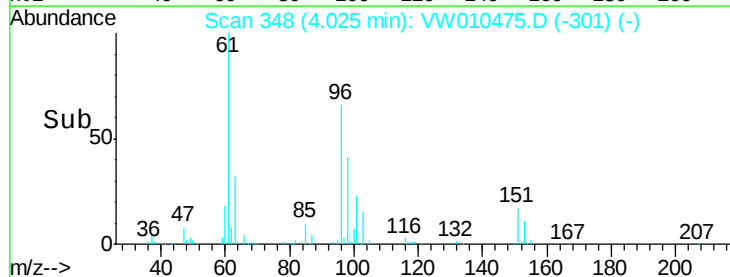
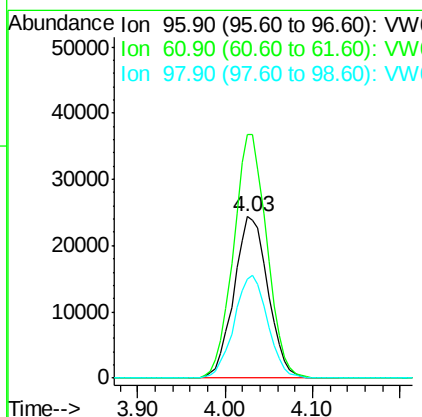
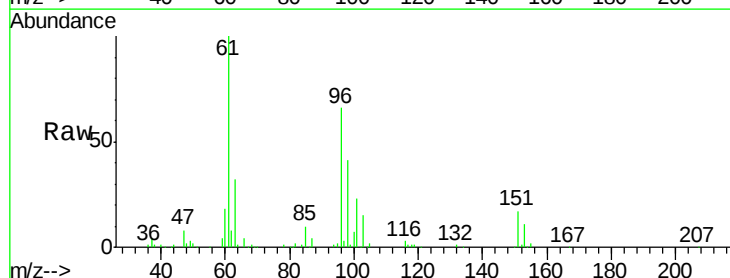
MMDadoda
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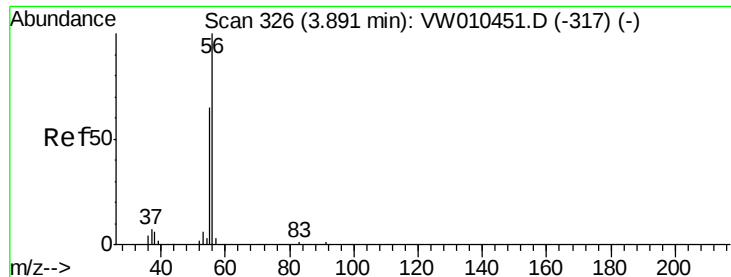


#12

1,1-Dichloroethene
 Concen: 47.865 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	96	Resp	65795
Ion Ratio	100	Lower	Upper
61	151.0	118.3	177.5
98	61.4	51.0	76.6





#13

Acrolein

Concen: 223.770 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 15919

Ion Ratio Lower Upper

56 100

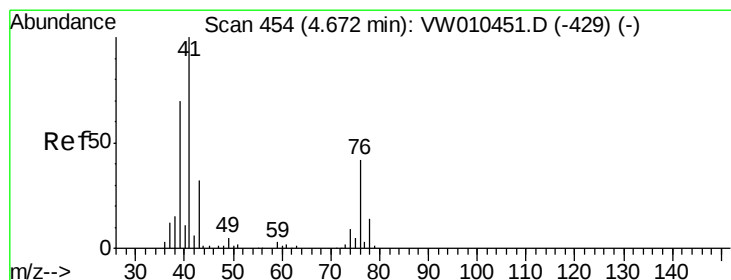
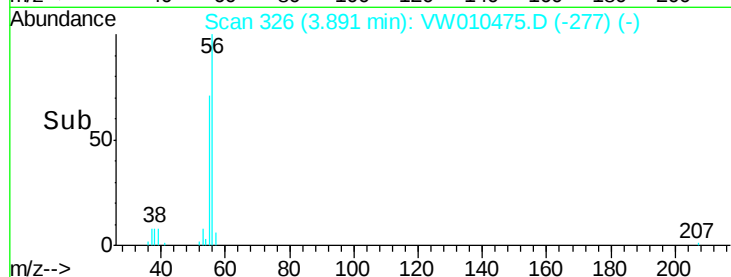
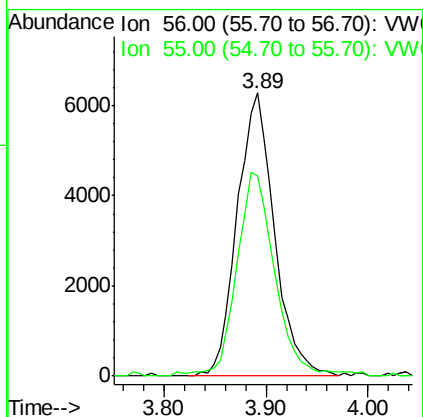
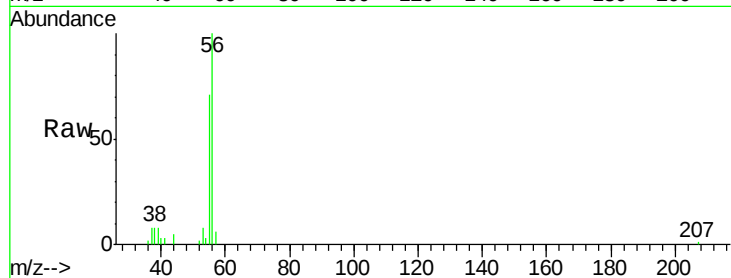
55 74.2 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 52.185 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

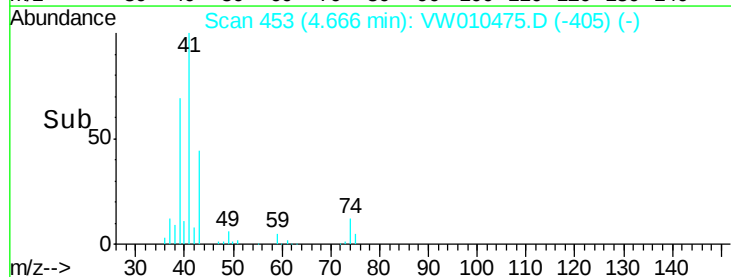
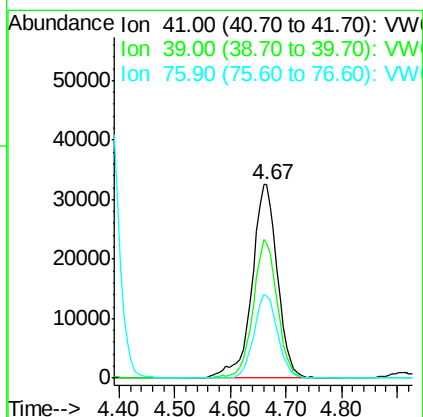
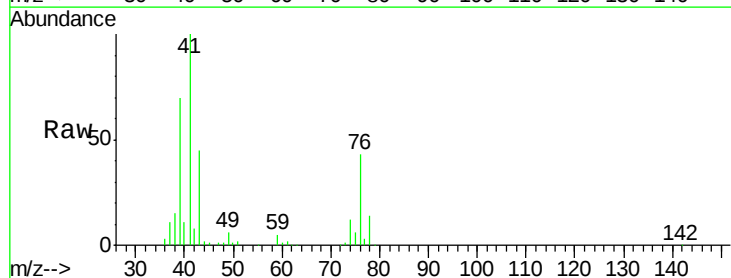
Tgt Ion: 41 Resp: 103834

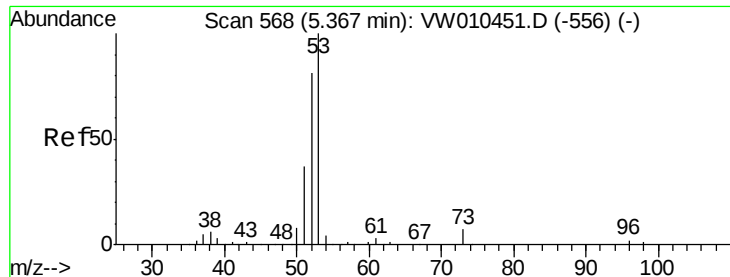
Ion Ratio Lower Upper

41 100

39 67.7 55.0 82.4

76 40.1 32.8 49.2





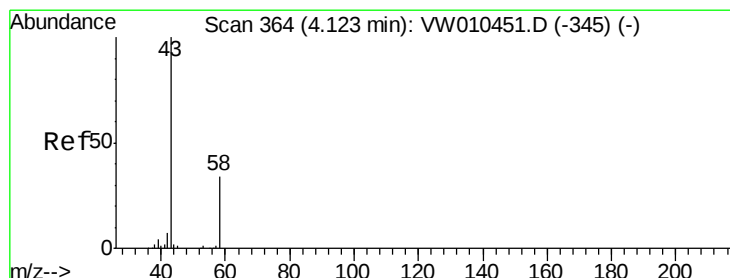
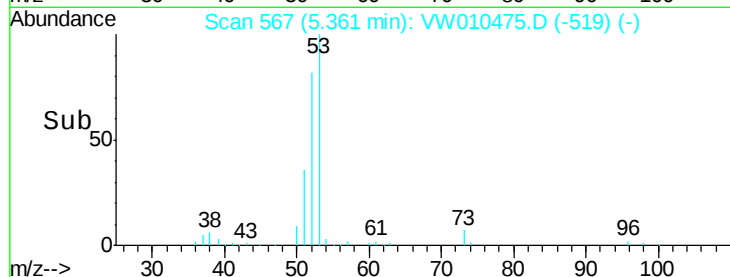
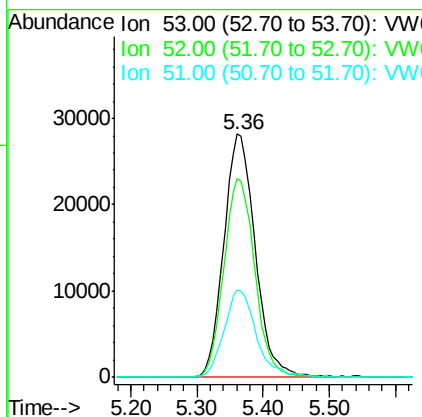
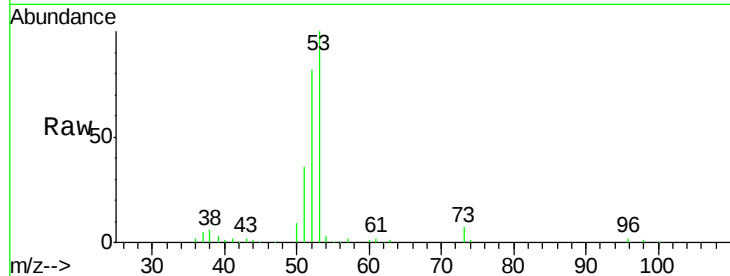
#15
 Acrylonitrile
 Concen: 299.033 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	92827
Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.6	98.4
51	36.6	29.5	44.3

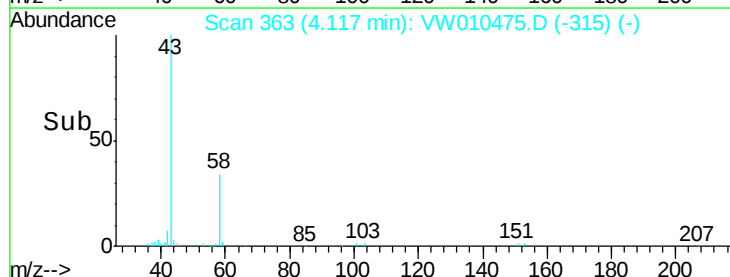
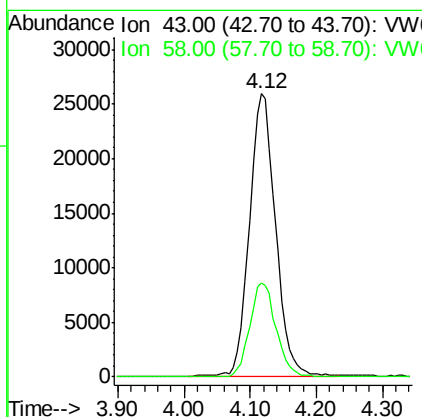
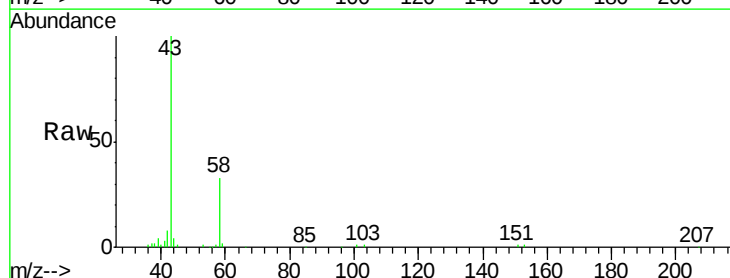
Manual Integrations
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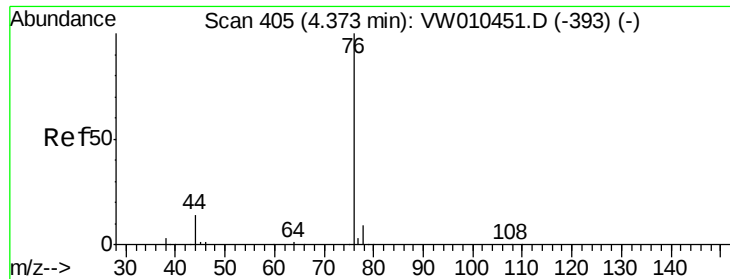
MMDadoda
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#16
 Acetone
 Concen: 262.323 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion:	43	Resp:	71926
Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.0	40.4





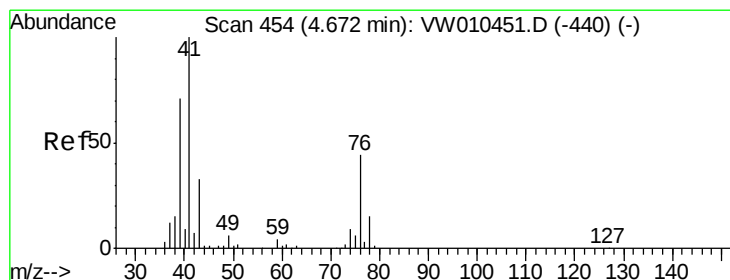
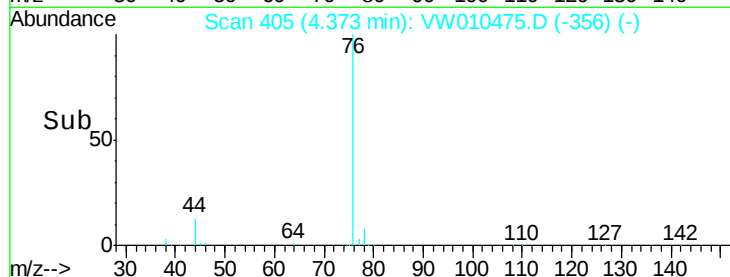
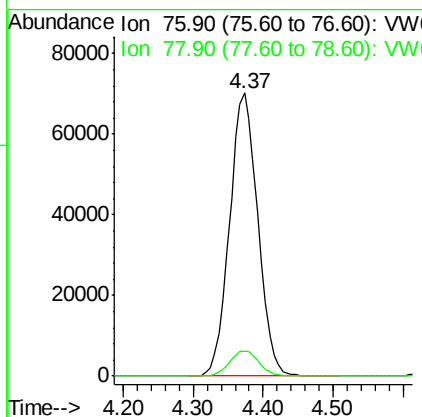
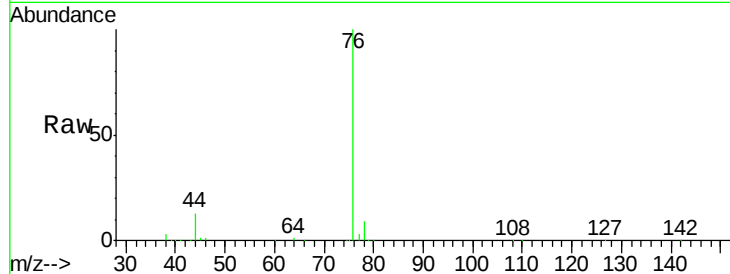
#17
Carbon Disulfide
Concen: 47.911 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	76	Resp	196440
Ion Ratio	Lower	Upper	
76	100		
78	8.7	7.1	10.7

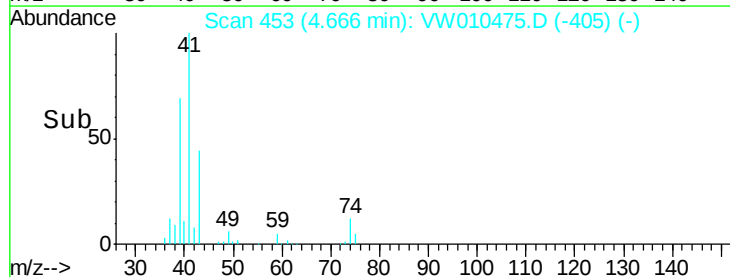
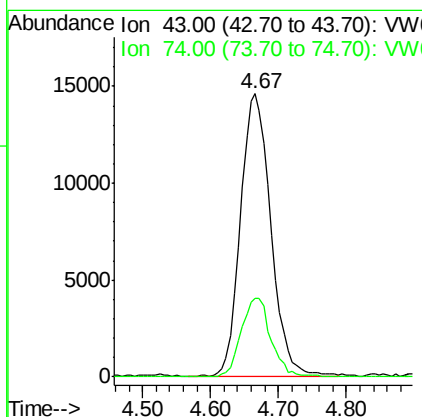
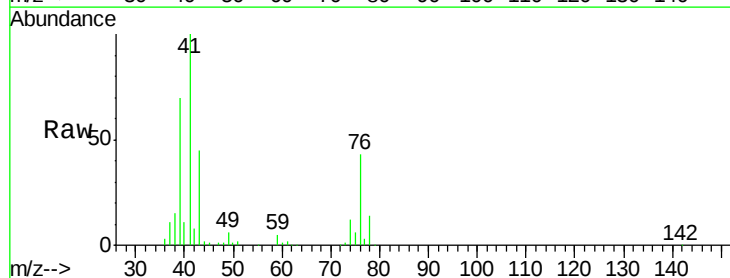
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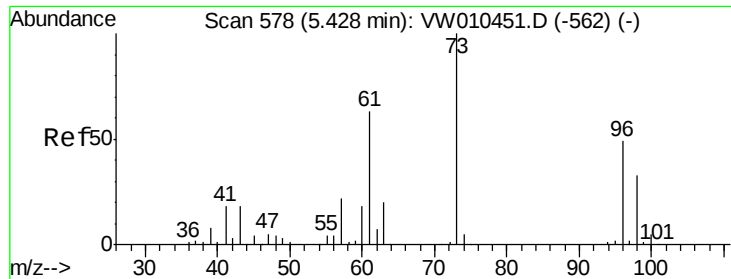
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#18
Methyl Acetate
Concen: 68.008 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	43	Resp	45605
Ion Ratio	Lower	Upper	
43	100		
74	27.0	21.6	32.4





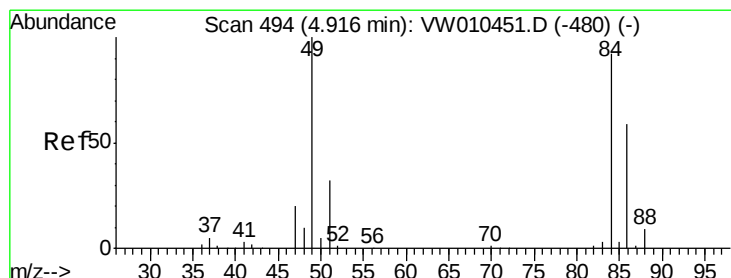
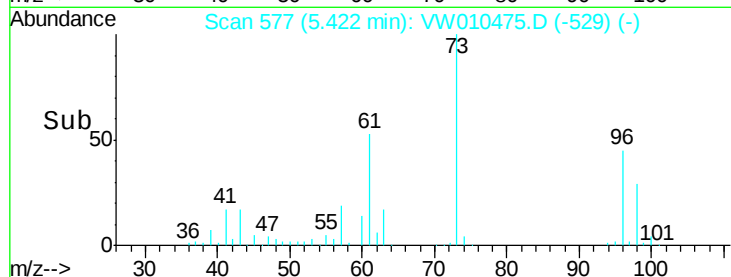
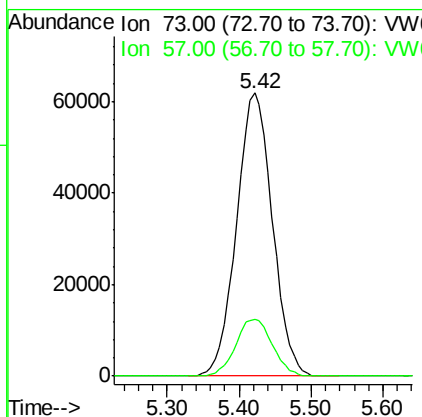
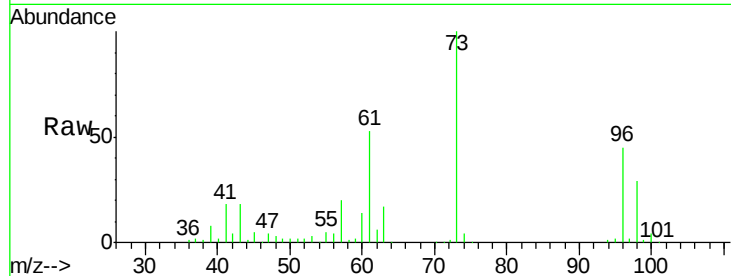
#19
Methvl tert-butvl Ether
Concen: 61.081 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 214047
Ion Ratio Lower Upper
73 100
57 20.1 17.4 26.0

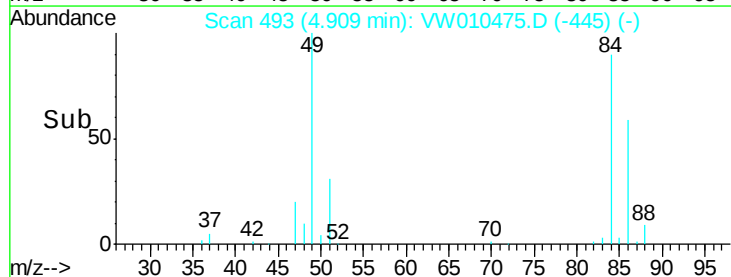
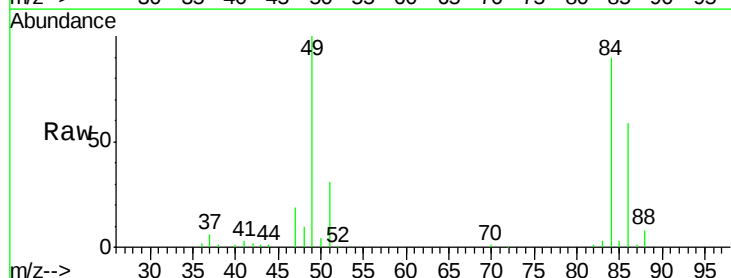
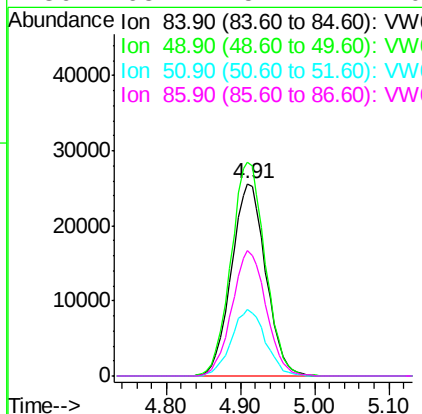
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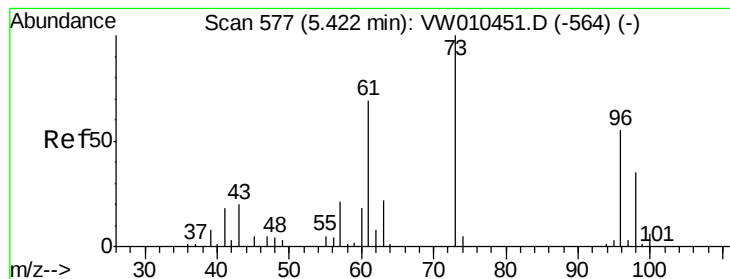
MMDadoda
5/21/2019 11:29:16 AM



#20
Methylene Chloride
Concen: 51.656 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion: 84 Resp: 82835
Ion Ratio Lower Upper
84 100
49 111.1 87.2 130.8
51 34.5 27.7 41.5
86 65.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 53.171 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 83835

Ion Ratio Lower Upper

96 100

61 118.5 101.4 152.0

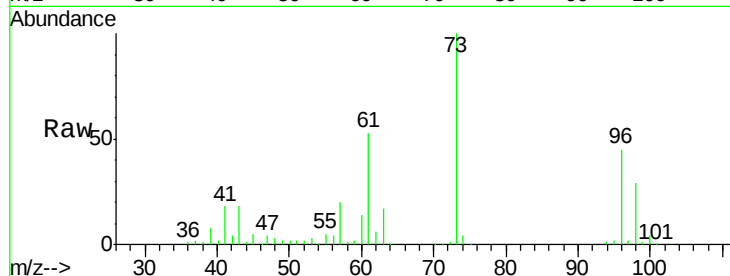
98 63.9 50.6 76.0

Manual Integrations

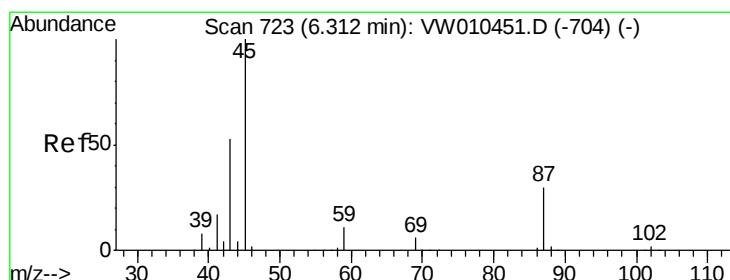
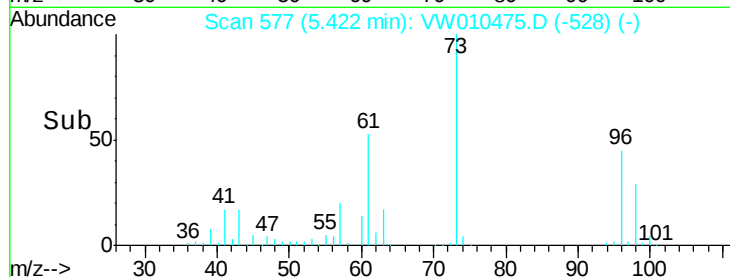
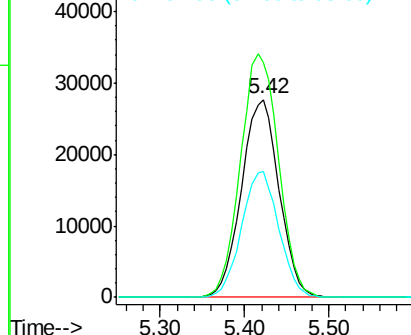
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 57.732 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion: 45 Resp: 235540

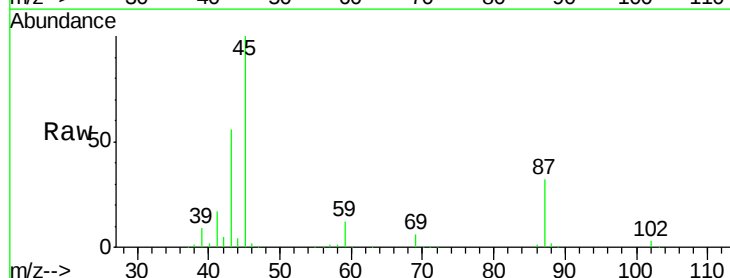
Ion Ratio Lower Upper

45 100

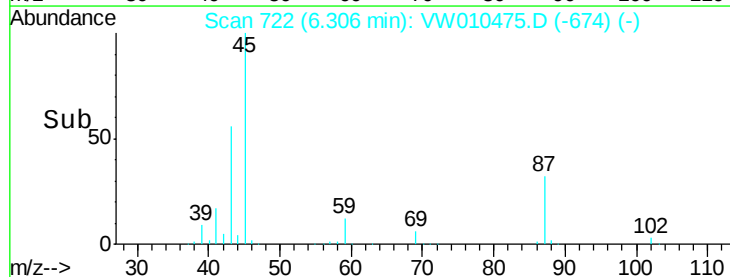
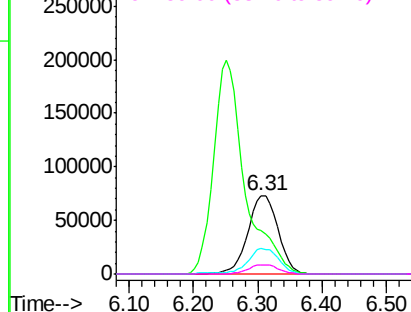
43 55.5 42.9 64.3

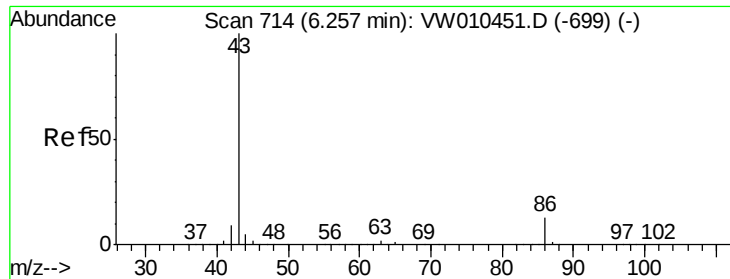
87 31.9 24.6 36.8

59 12.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 278.066 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 677675

Ion Ratio Lower Upper

43 100

86 12.9

10.3

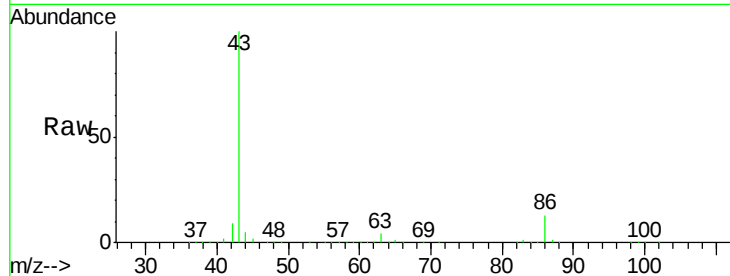
15.5

Manual Integrations

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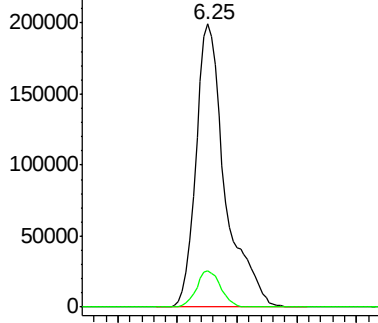
MMDadoda

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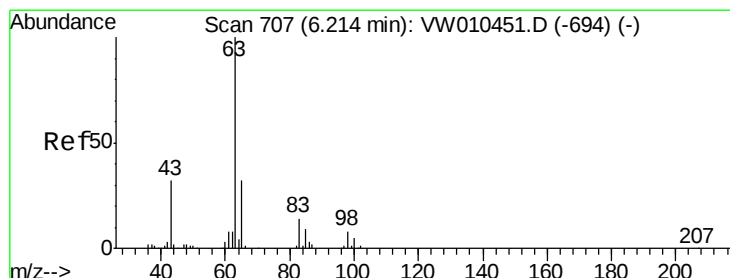
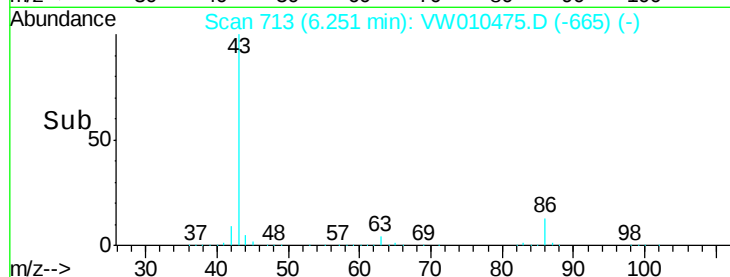


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.895 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion: 63 Resp: 136088

Ion Ratio Lower Upper

63 100

98 7.3

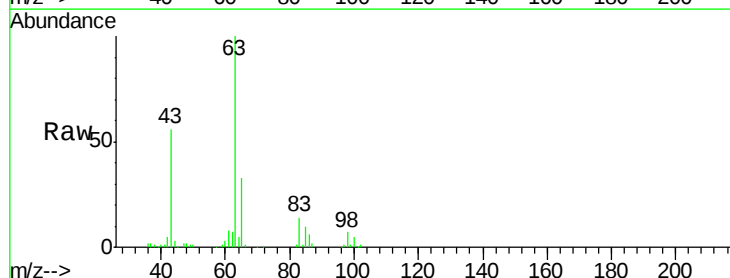
3.8

11.2

100 5.1

2.5

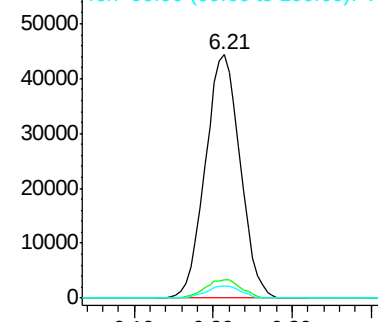
7.4



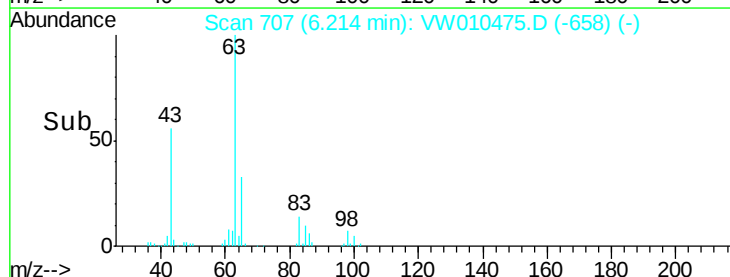
Abundance Ion 62.90 (62.60 to 63.60): VW

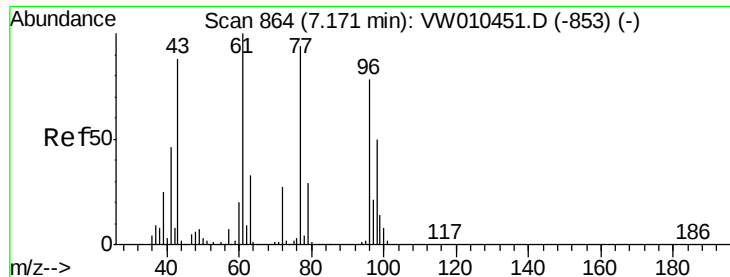
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 294.606 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 115600

Ion Ratio Lower Upper

43 100

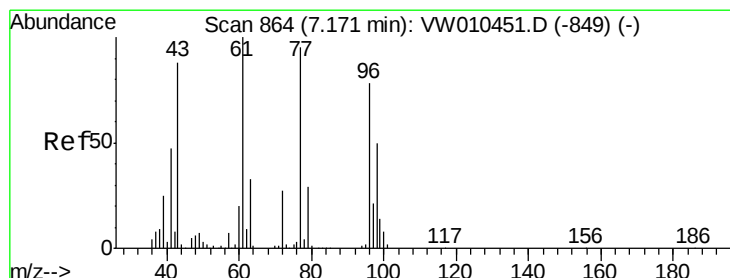
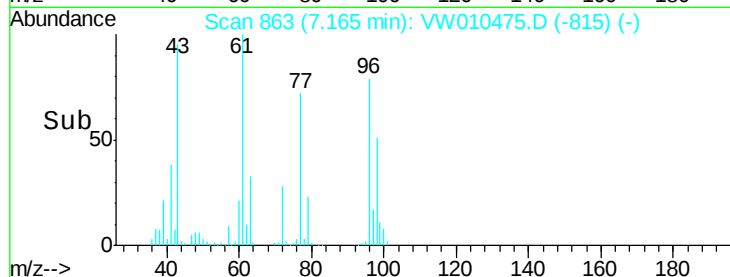
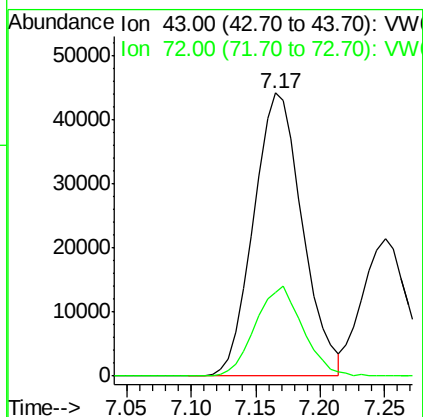
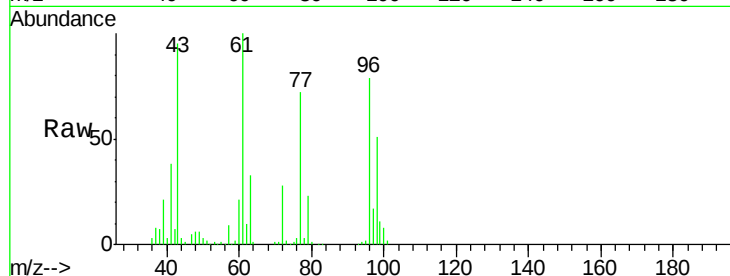
72 29.6 24.1 36.1

Manual Integrations

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MMDadoda

5/21/2019 11:29:16 AM



#26

2,2-Dichloropropane

Concen: 41.929 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010475.D

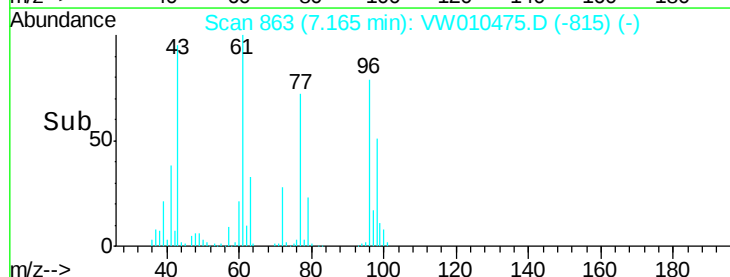
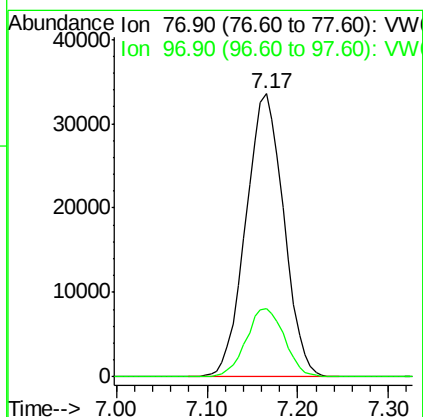
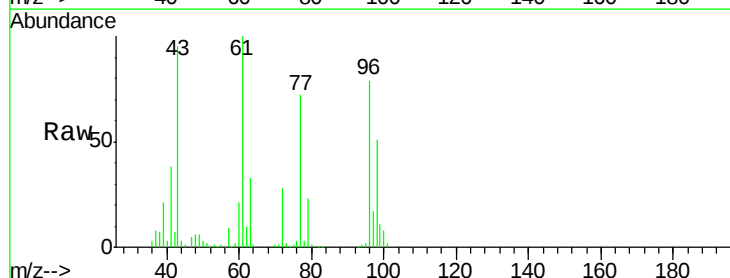
Acq: 21 May 2019 05:00

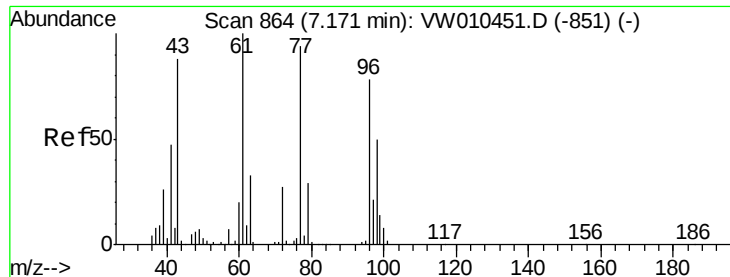
Tgt Ion: 77 Resp: 97241

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0





#27

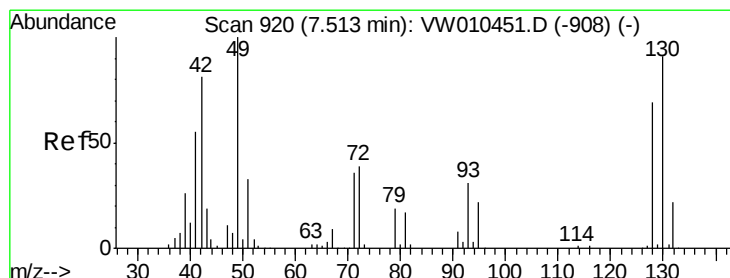
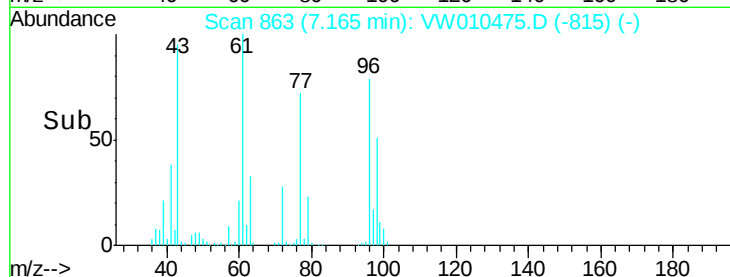
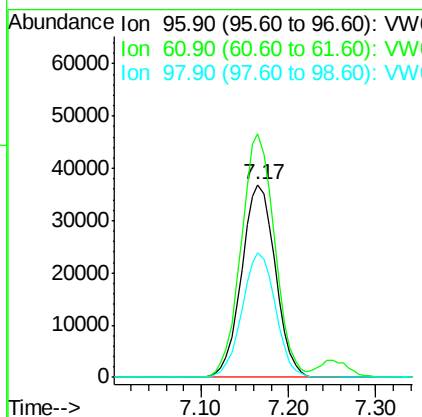
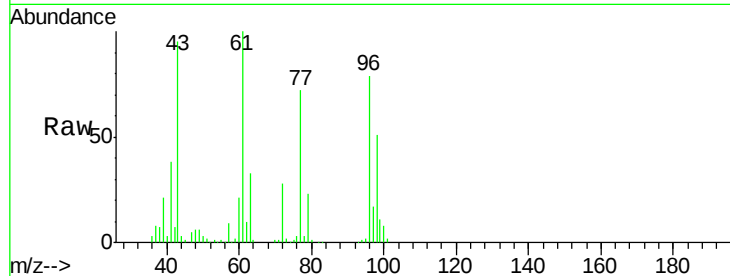
cis-1,2-Dichloroethene
 Concen: 57.477 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.0	0.0	265.4
98	64.1	0.0	129.4

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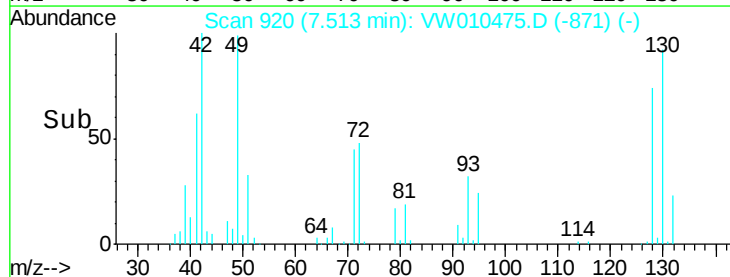
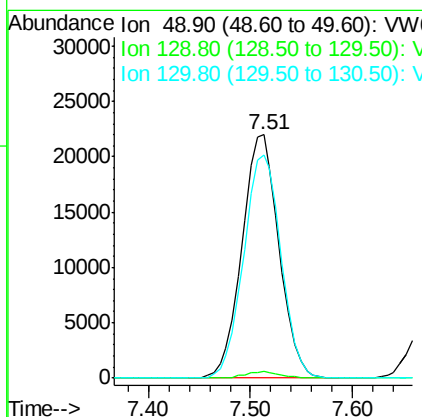
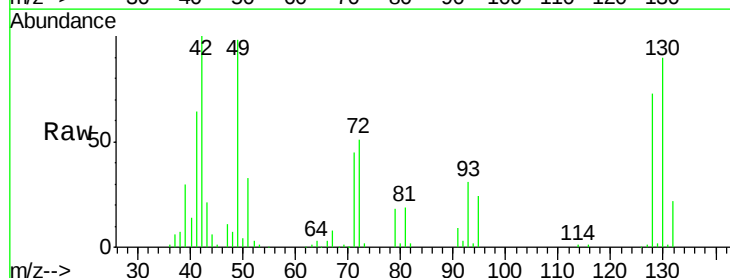
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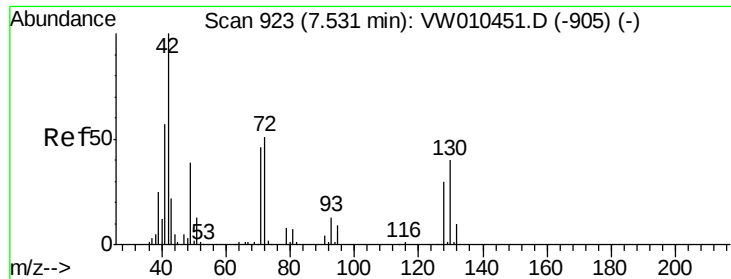


#28

Bromochloromethane
 Concen: 63.540 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	92.9	71.2	106.8





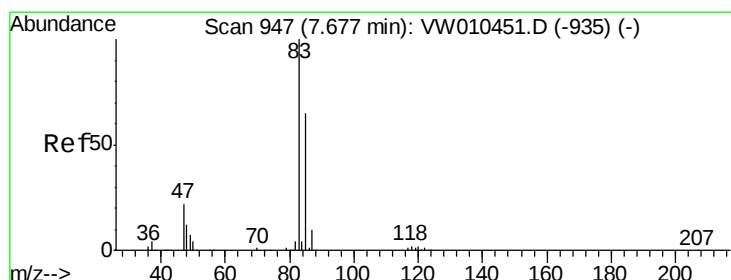
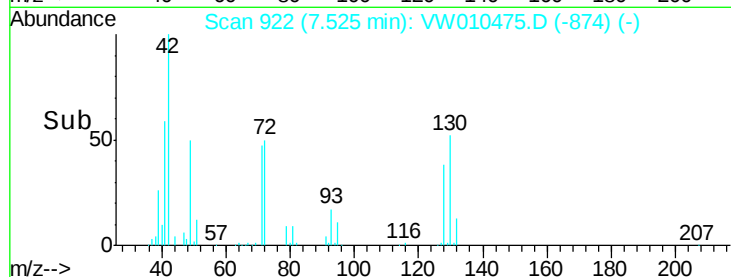
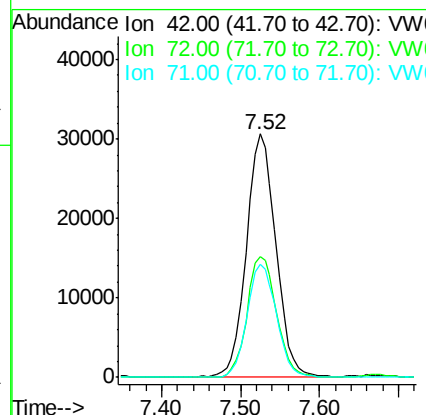
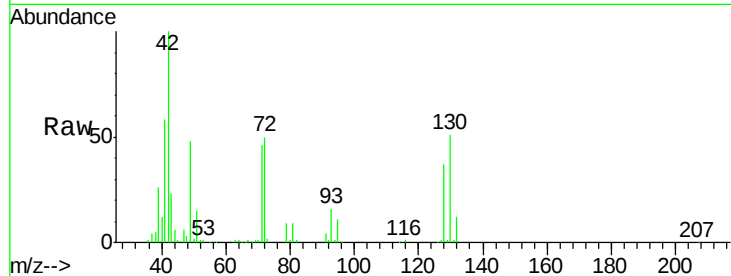
#29
Tetrahydrofuran
Concen: 301.367 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	38.5	57.7
71	46.0	36.5	54.7

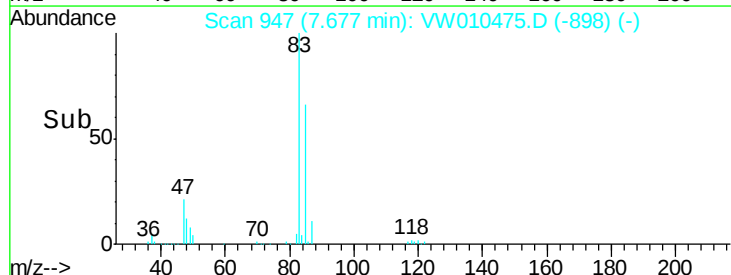
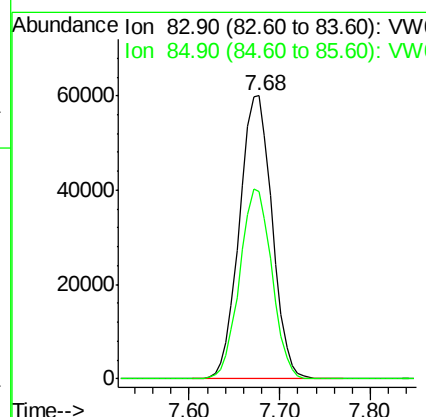
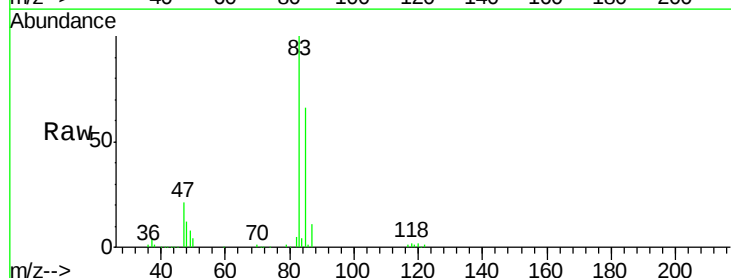
Manual Integrations
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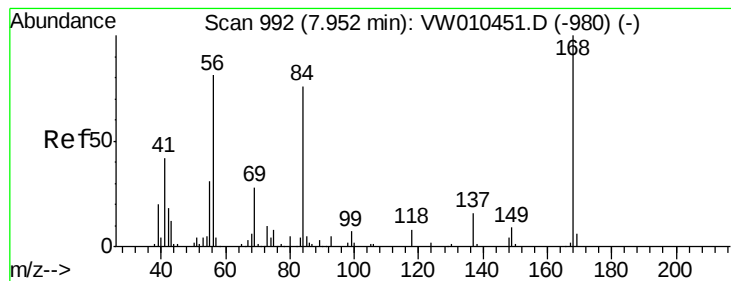
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#30
Chloroform
Concen: 57.174 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4





#31

Cyclohexane

Concen: 42.821 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

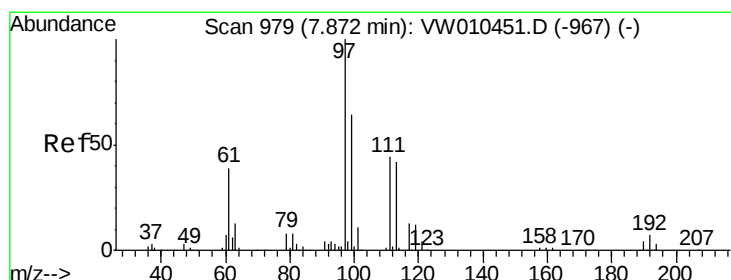
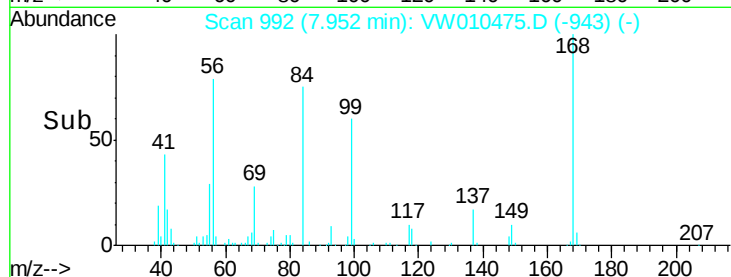
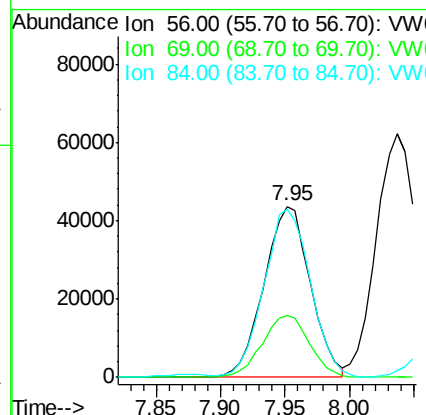
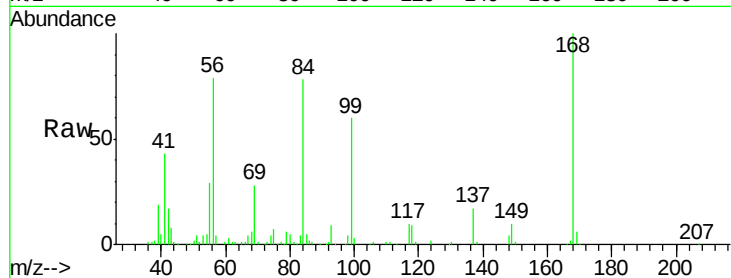
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	109209
Ion Ratio	Lower	Upper	
56	100		
69	36.1	28.2	42.2
84	96.5	75.8	113.8

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#32

1,1,1-Trichloroethane

Concen: 51.767 ug/l

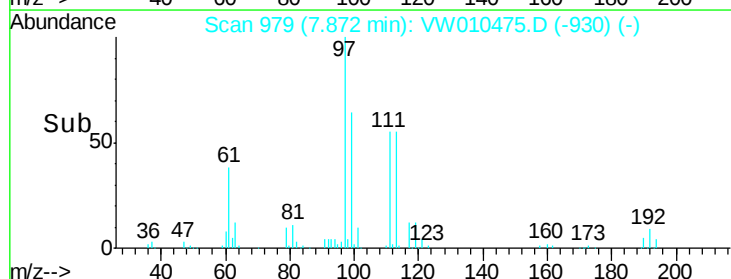
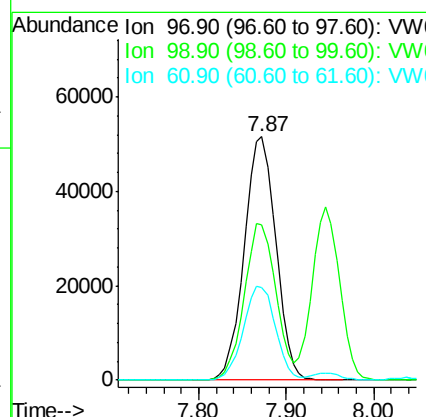
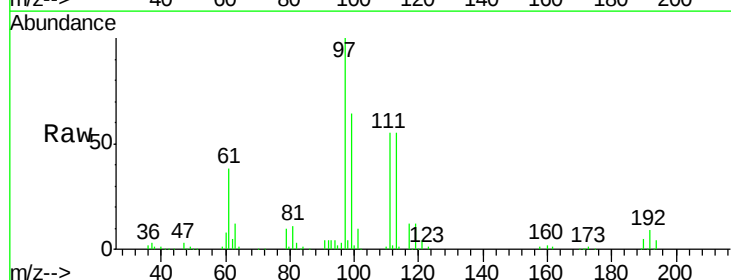
RT: 7.87 min Scan# 979

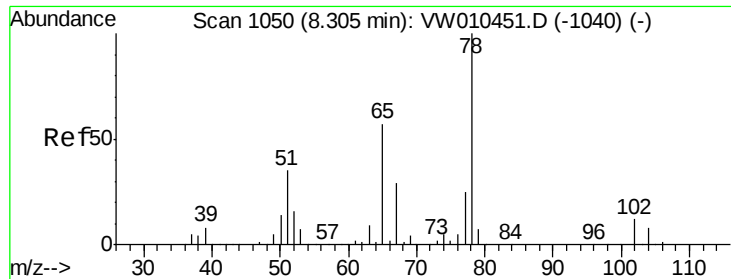
Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion:	97	Resp:	129937
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.8	76.2
61	39.1	32.1	48.1





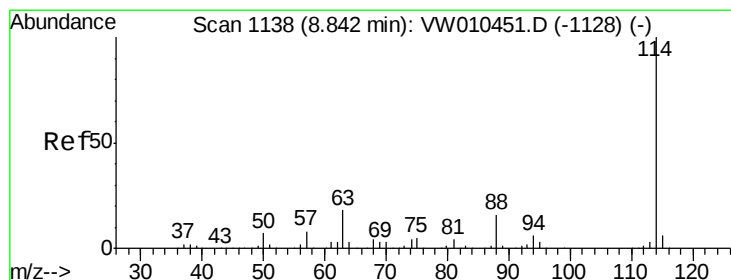
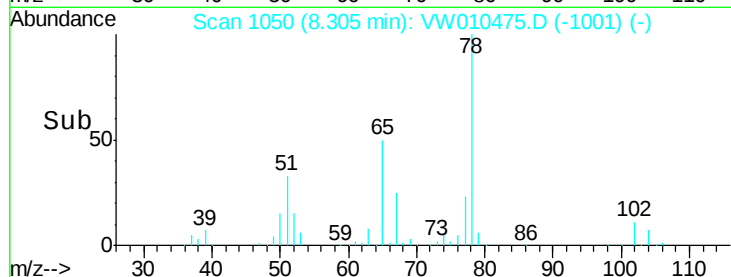
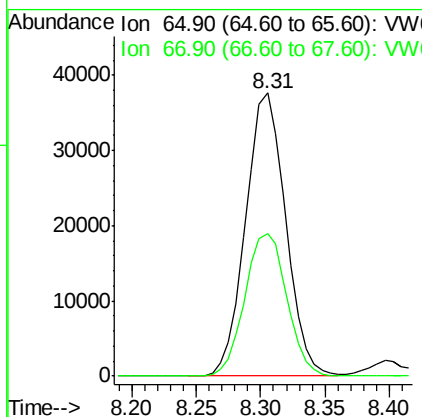
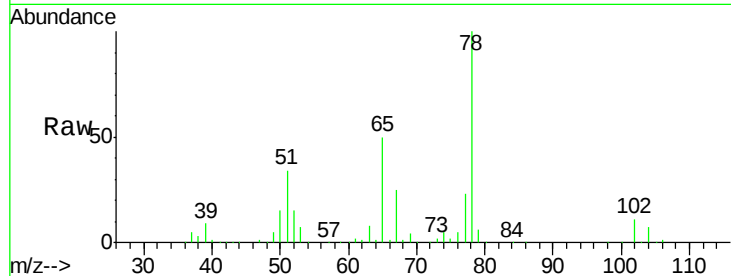
#33
 1,2-Dichloroethane-d4
 Concen: 60.345 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	81059		
67	52.7	0.0	103.6	

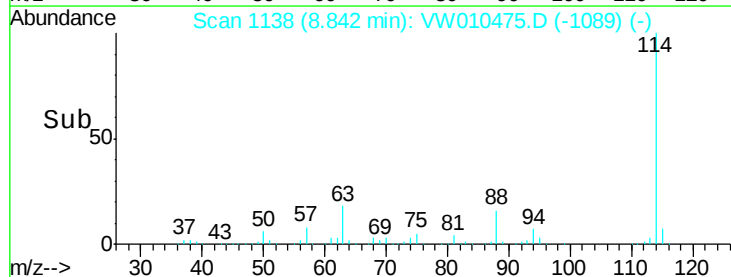
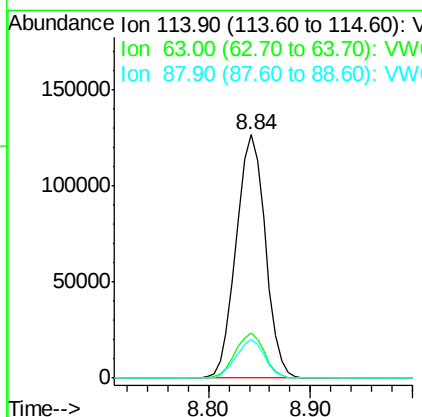
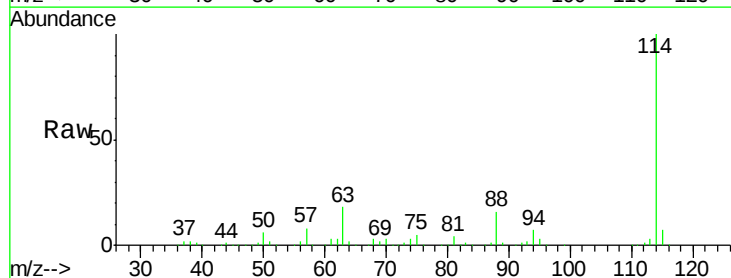
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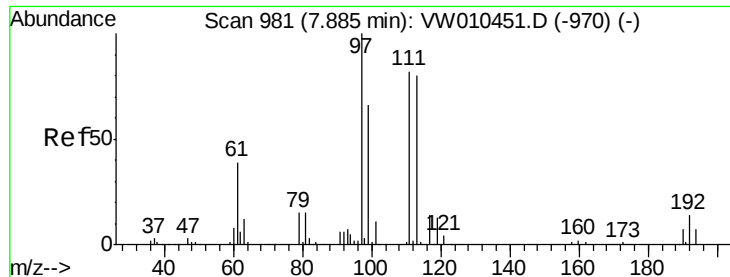
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	250670		
63	18.4	0.0	36.0	
88	15.9	0.0	32.0	





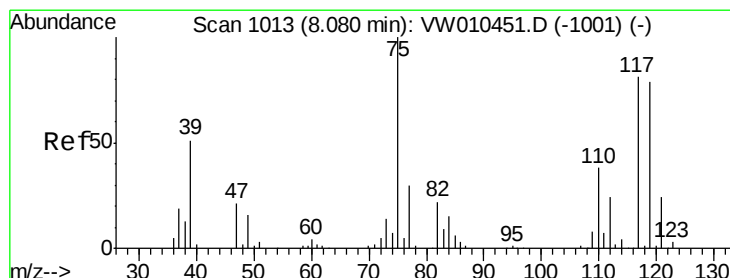
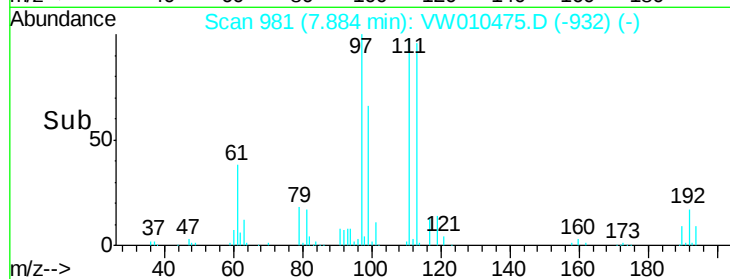
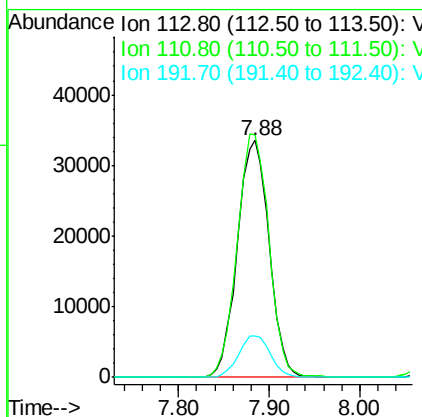
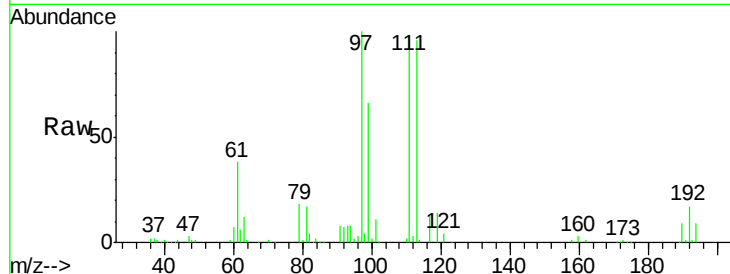
#35
 Dibromofluoromethane
 Concen: 53.527 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	17.6	14.3	21.5

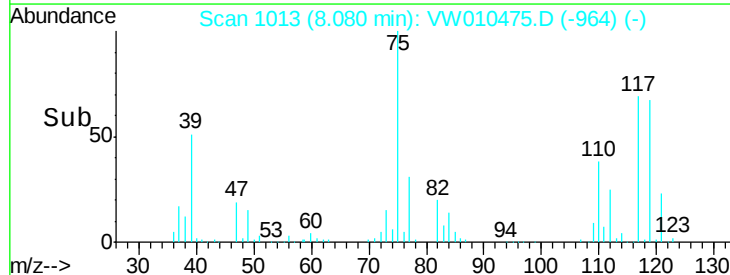
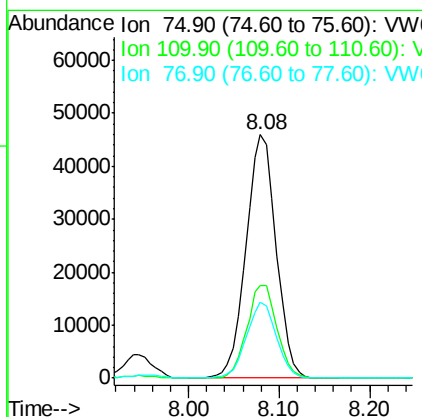
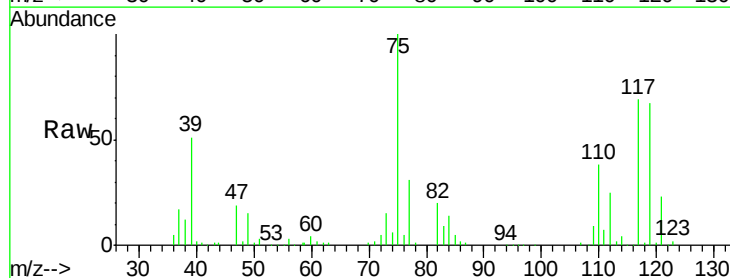
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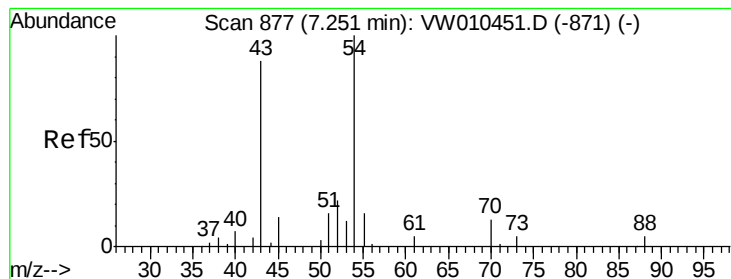
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#36
 1,1-Dichloropropene
 Concen: 45.075 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.2	57.6
77	31.0	25.2	37.8





#37

Ethyl Acetate

Concen: 54.173 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 53794

Ion Ratio Lower Upper

43 100

61 14.5 11.2 16.8

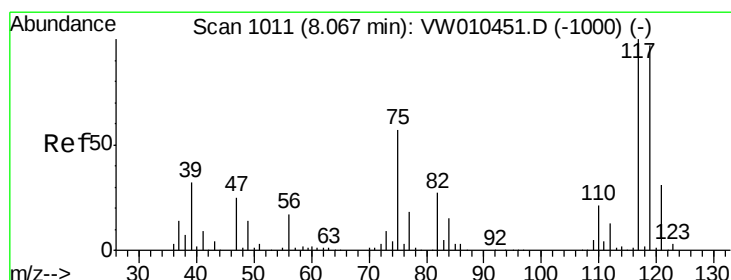
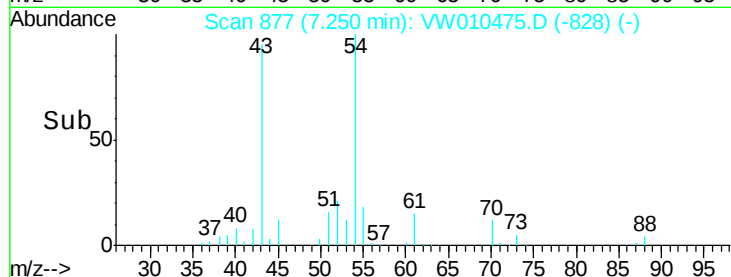
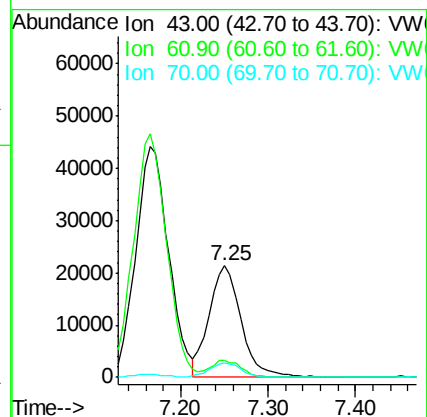
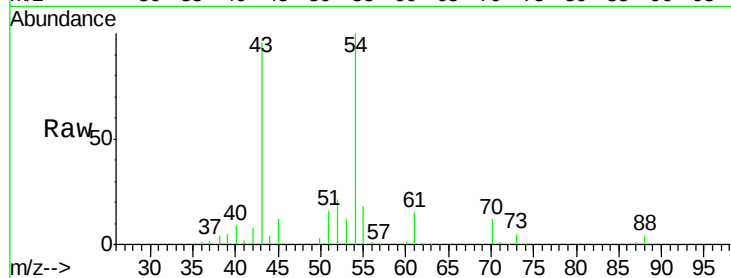
70 12.7 9.9 14.9

Manual Integrations

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#38

Carbon Tetrachloride

Concen: 44.796 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

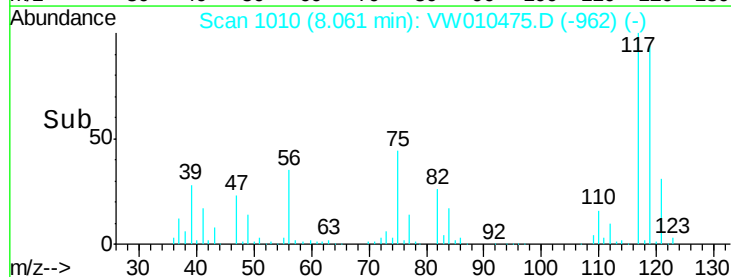
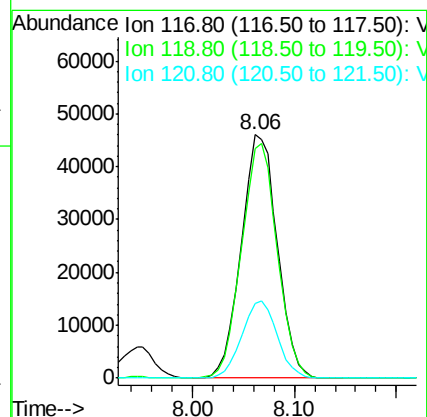
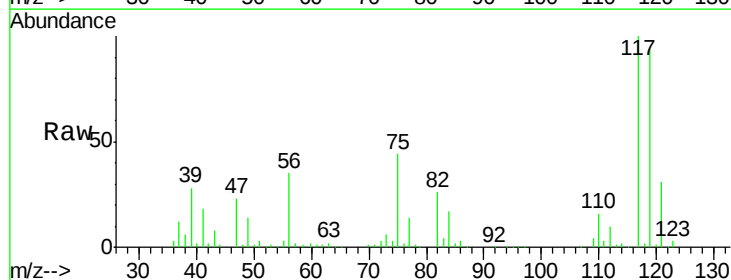
Tgt Ion: 117 Resp: 112842

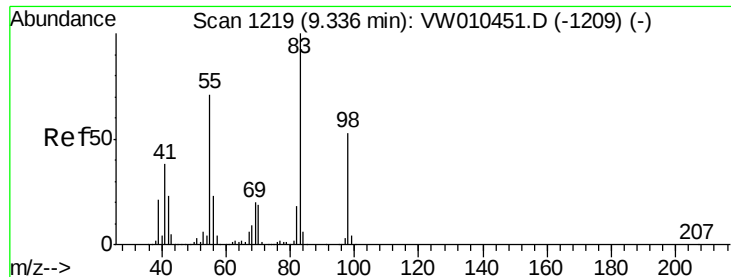
Ion Ratio Lower Upper

117 100

119 94.0 77.4 116.0

121 30.6 25.0 37.6





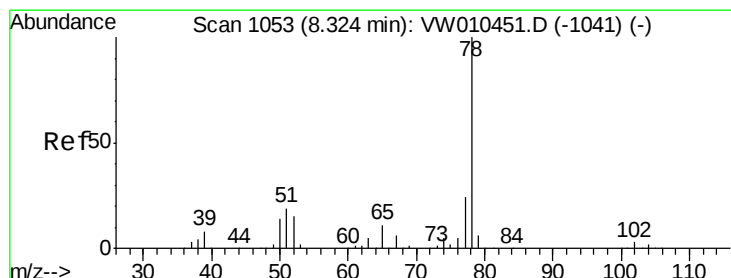
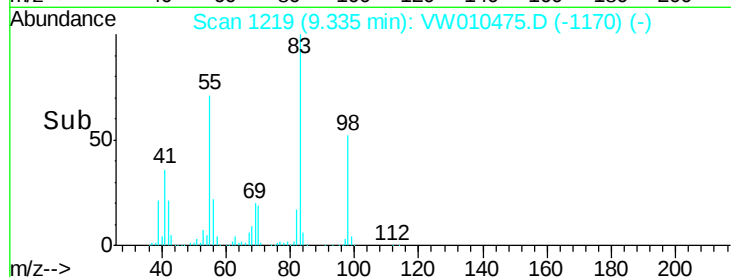
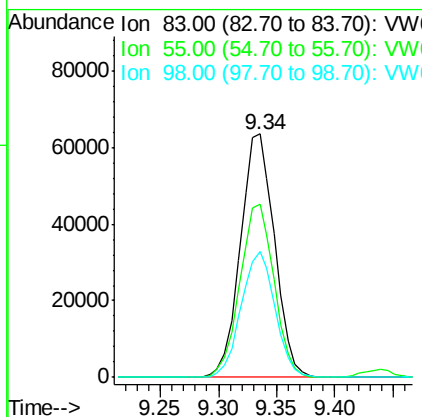
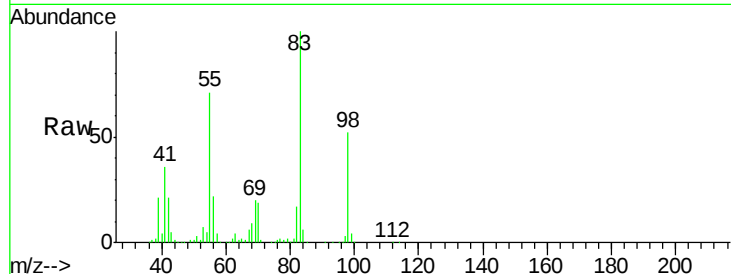
#39
Methvlcvclohexane
Concen: 41.562 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	57.0	85.6
98	51.7	42.0	63.0

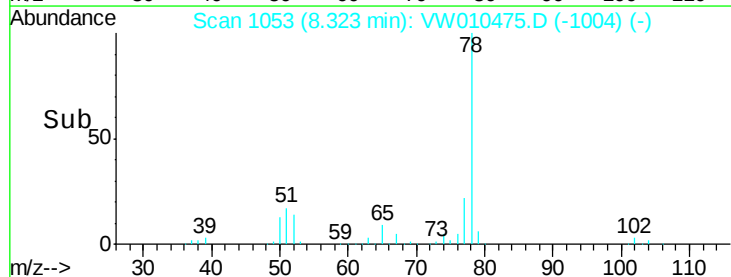
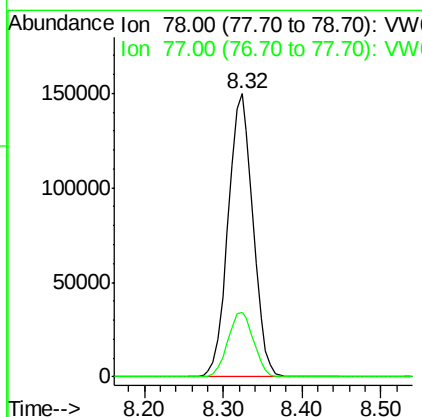
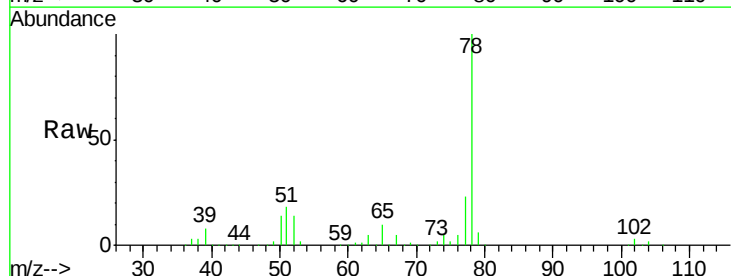
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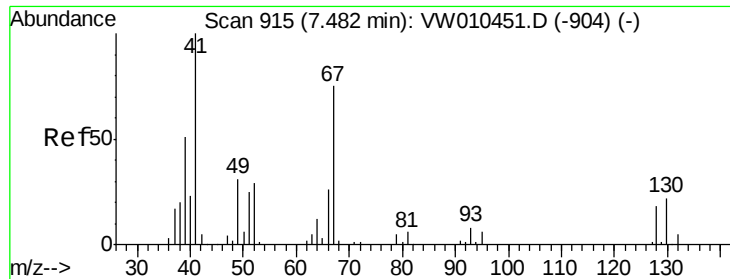
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#40
Benzene
Concen: 50.376 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3





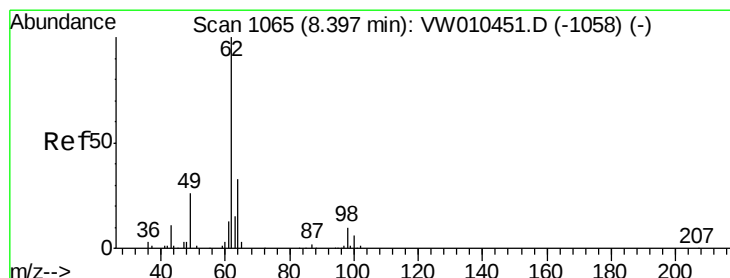
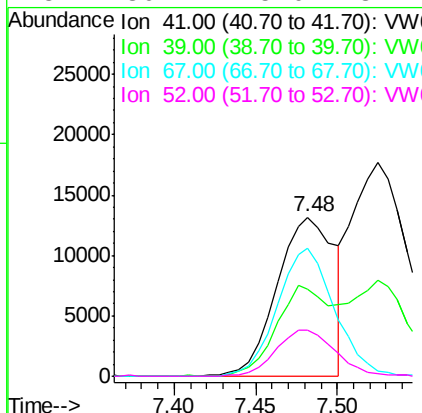
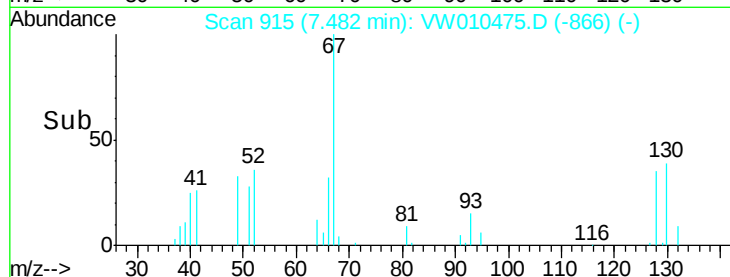
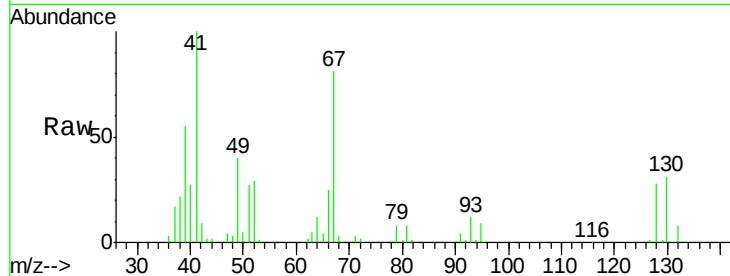
#41
Methacrylonitrile
Concen: 54.575 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	32200
Ion	Ratio	Lower	Upper
41	100		
39	55.8	47.4	71.2
67	80.2	65.5	98.3
52	30.1	25.0	37.4

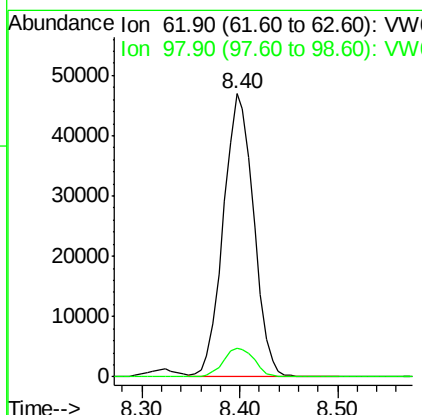
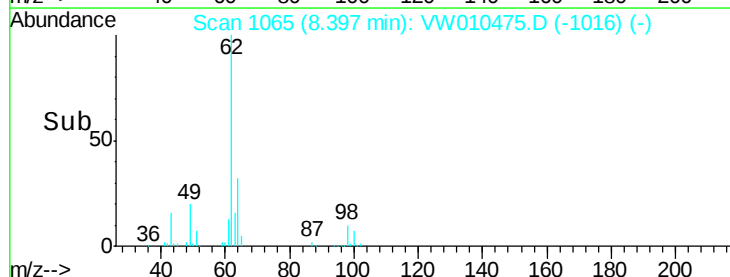
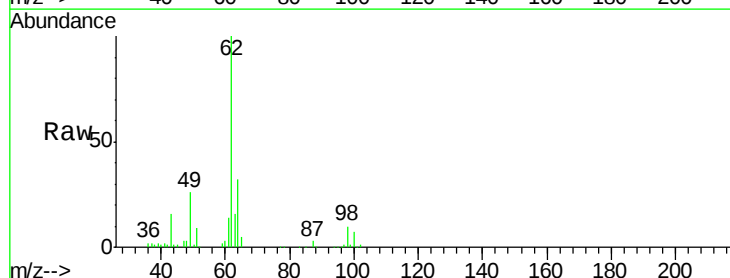
Manual Integrations
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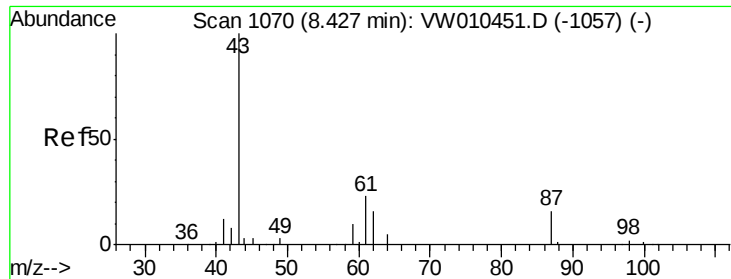
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.352 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	62	Resp	100823
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 54.278 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

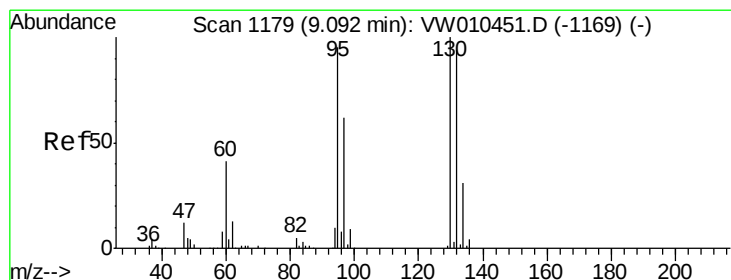
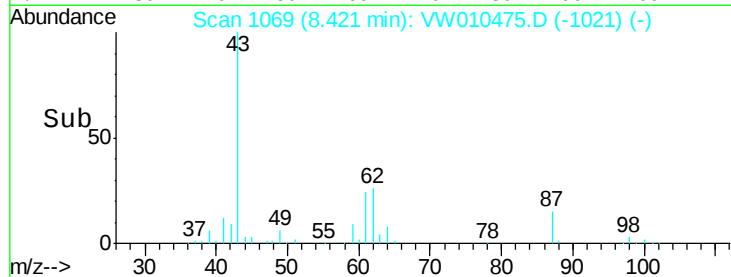
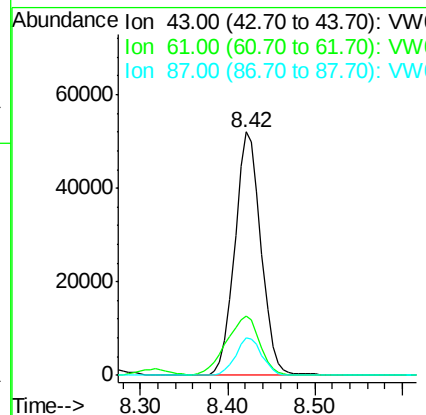
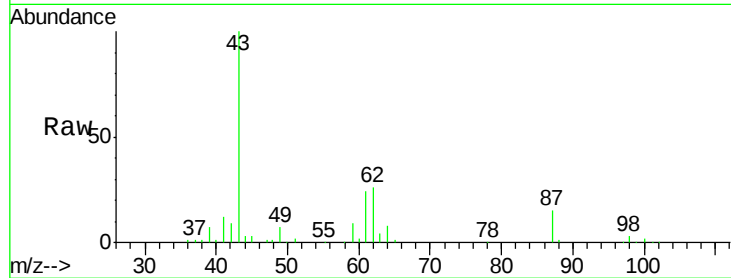
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	107676
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.4	38.2
87	15.5	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 48.788 ug/l

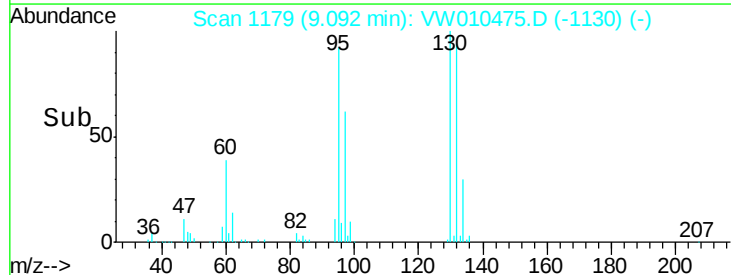
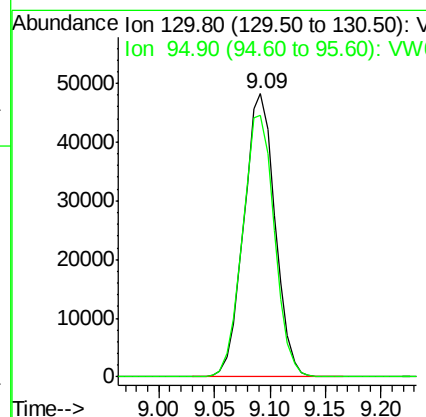
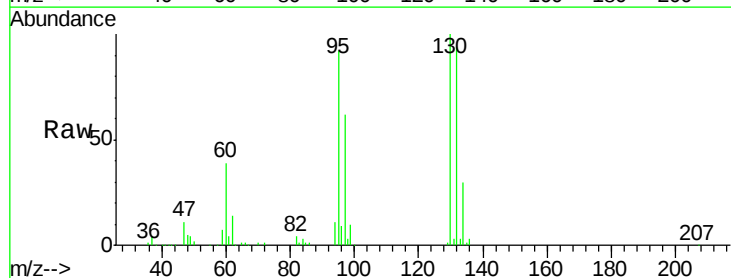
RT: 9.09 min Scan# 1179

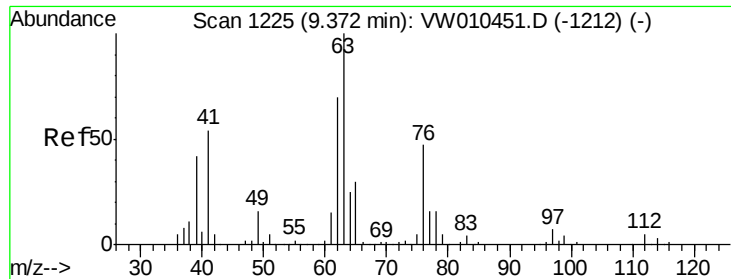
Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion:	130	Resp:	94006
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	189.6





#45

1,2-Dichloropropane

Concen: 51.949 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 80076

Ion Ratio Lower Upper

63 100

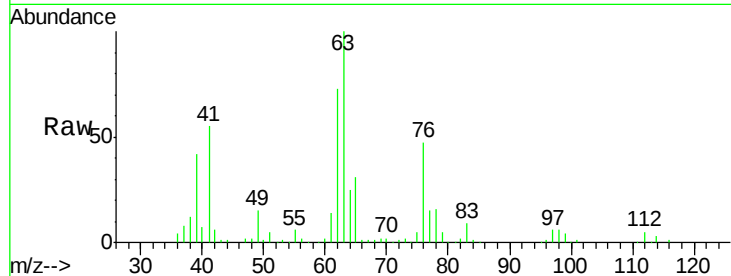
65 30.6 24.3 36.5

Manual Integrations

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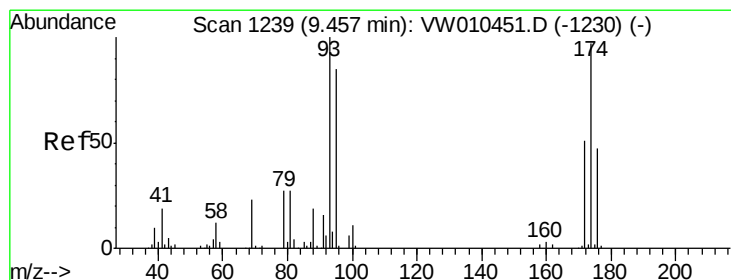
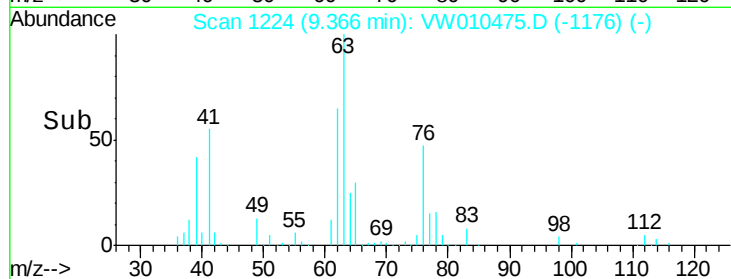
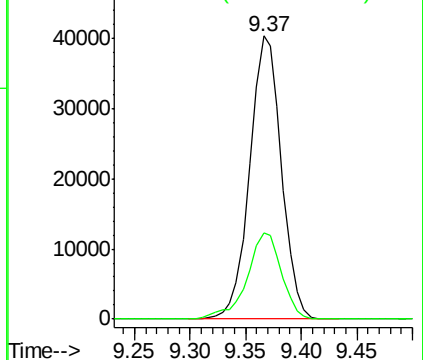
MMDadoda

5/21/2019 11:29:16 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 54.880 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

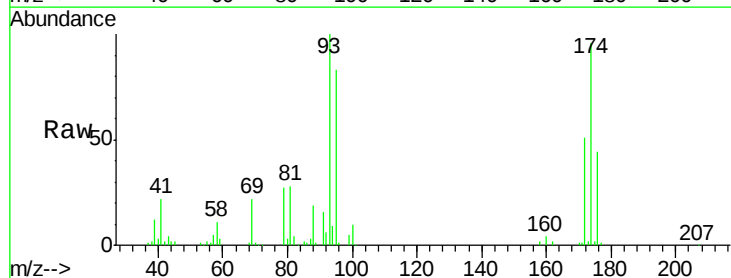
Tgt Ion: 93 Resp: 49472

Ion Ratio Lower Upper

93 100

95 82.7 66.1 99.1

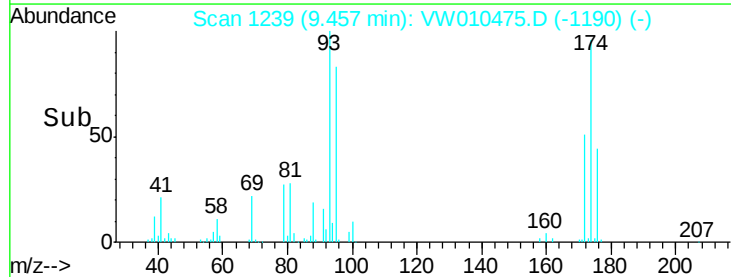
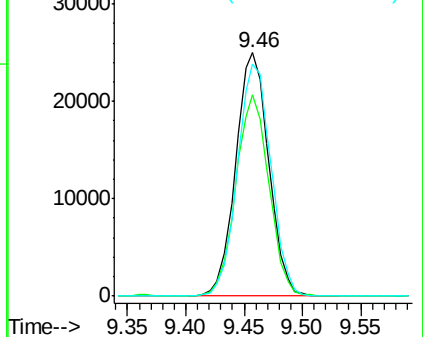
174 97.1 77.1 115.7

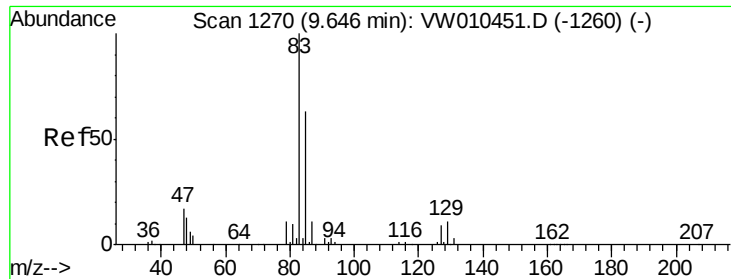


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





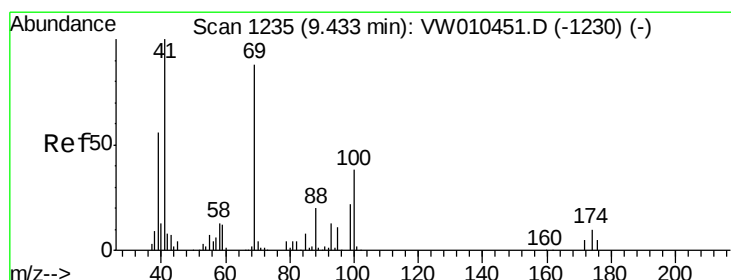
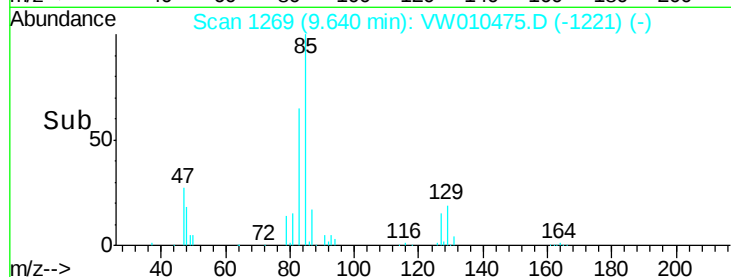
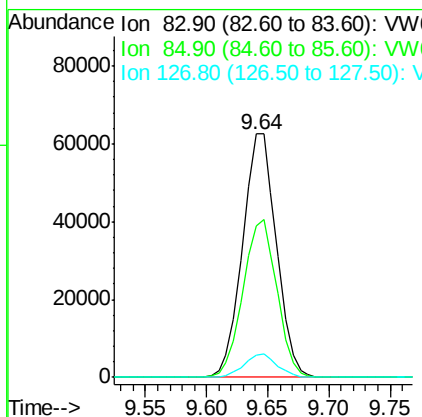
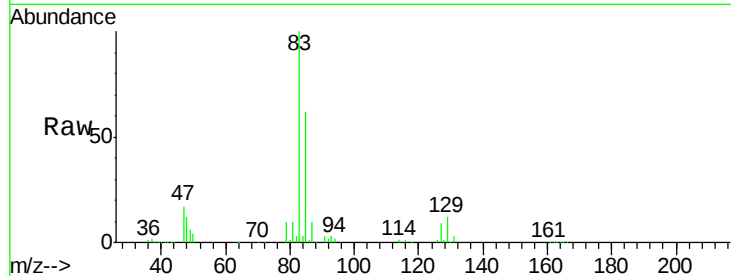
#47
Bromodichloromethane
Concen: 53.056 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120191		
85	62.1		50.4	75.6
127	9.1		7.4	11.0

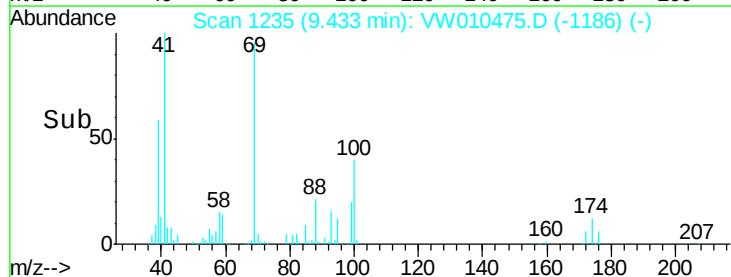
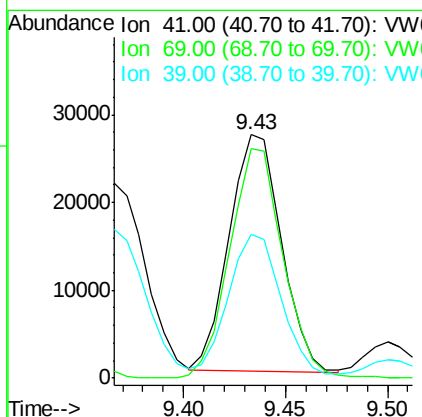
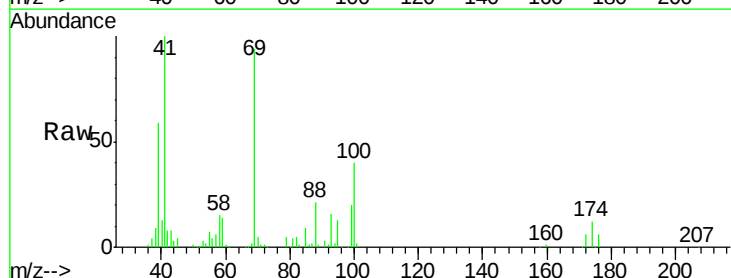
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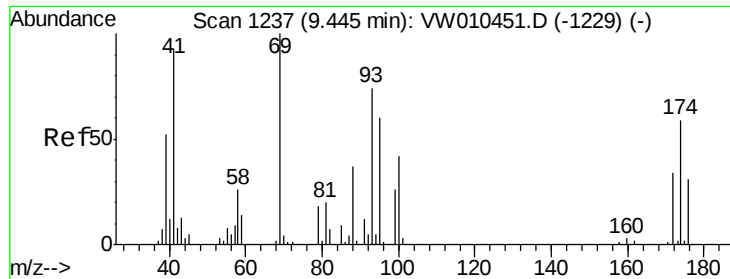
MMDadoda
5/21/2019 11:29:16 AM



#48
Methyl methacrylate
Concen: 52.936 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	48043		
69	99.1		77.6	116.4
39	62.8		49.8	74.8





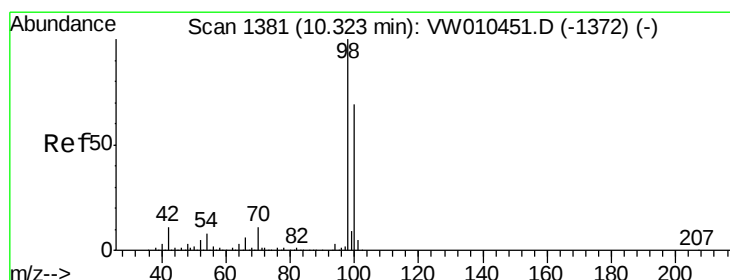
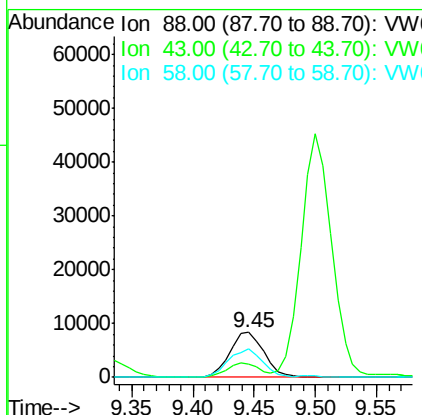
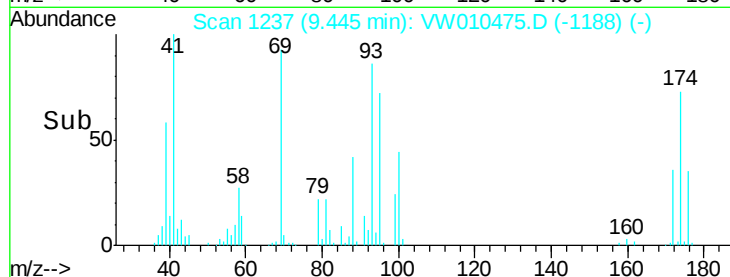
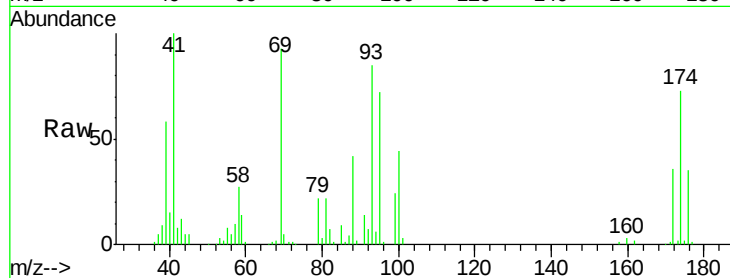
#49
1,4-Dioxane
Concen: 1101.521 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	25.9	38.9
58	63.2	52.7	79.1

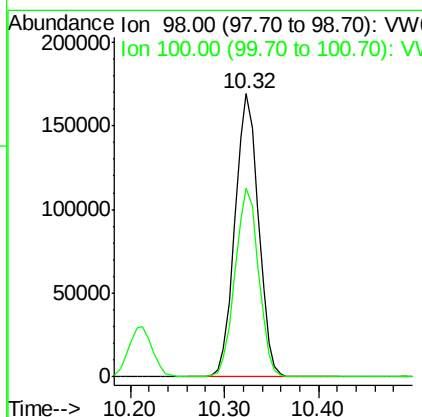
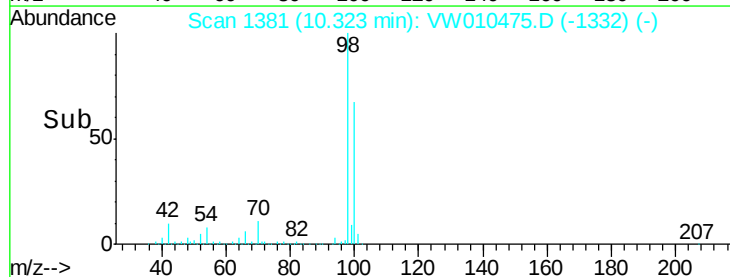
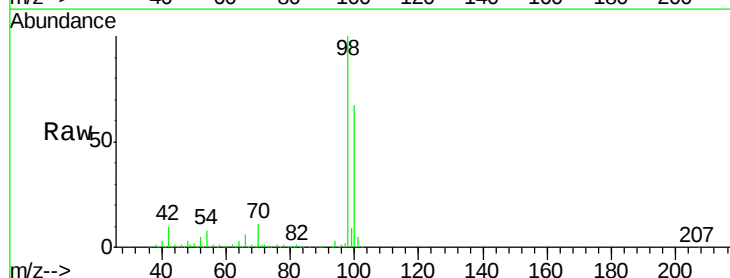
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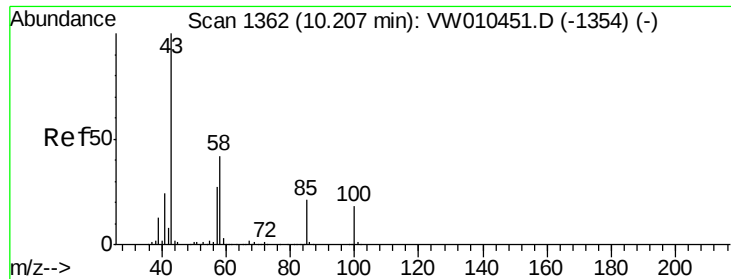
MMDadoda
5/21/2019 11:29:16 AM



#50
Toluene-d8
Concen: 50.493 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5





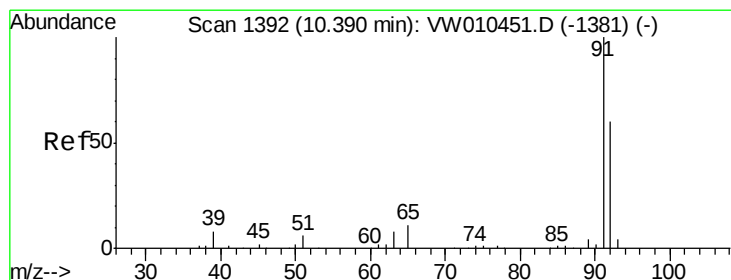
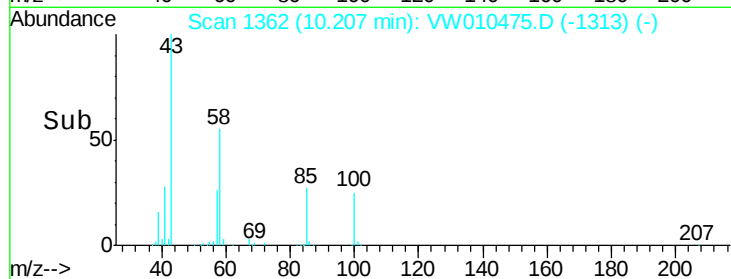
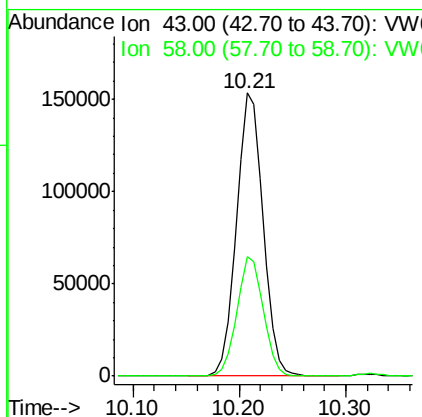
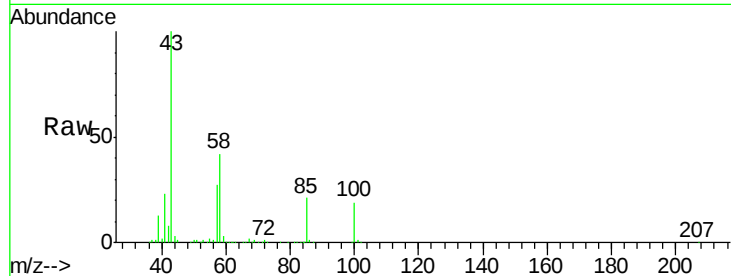
#51
 4-Methyl-2-Pentanone
 Concen: 268.704 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	270111
Ion Ratio	100	Lower	Upper
43	100		
58	41.8	33.2	49.8

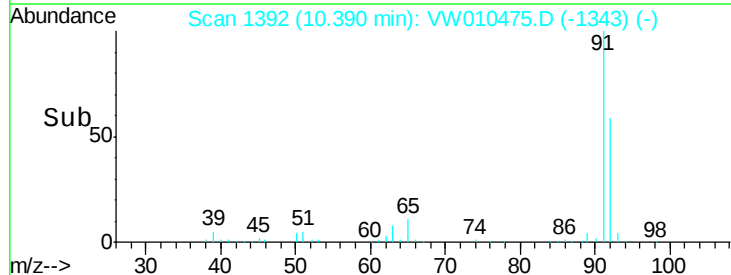
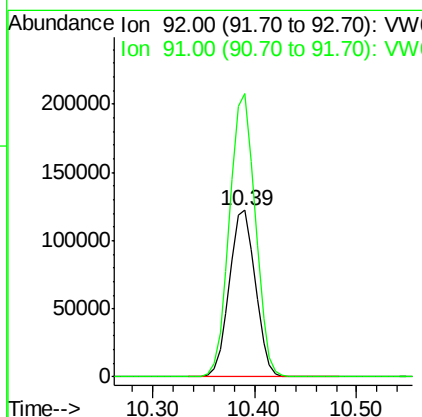
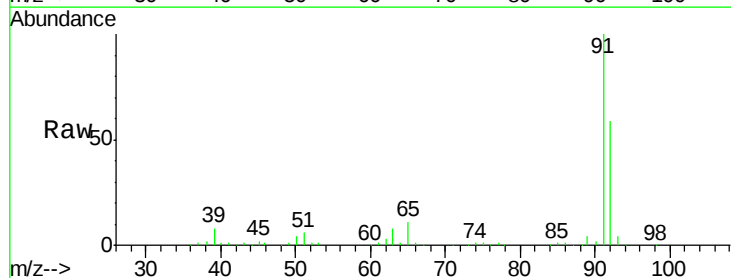
Manual Integrations
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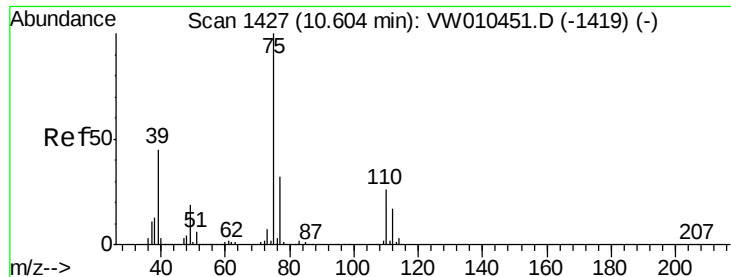
MMDadoda
 5/21/2019 11:29:16 AM



#52
 Toluene
 Concen: 49.467 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	92	Resp	215612
Ion Ratio	100	Lower	Upper
92	100		
91	168.2	135.4	203.0





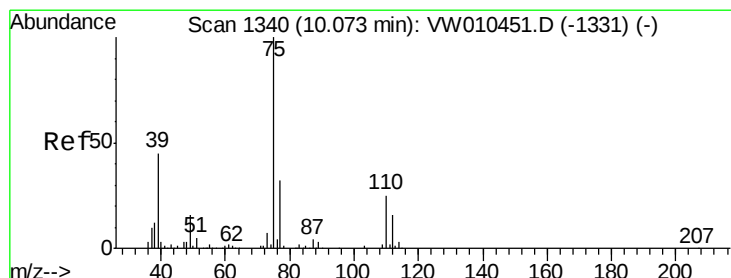
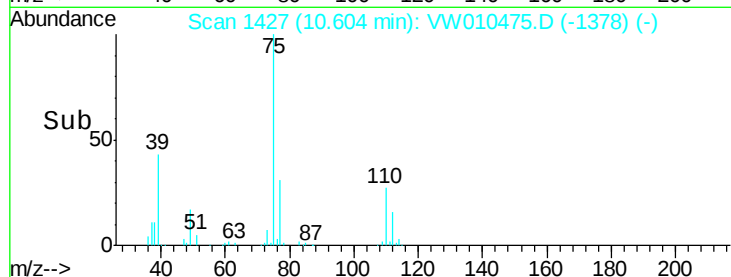
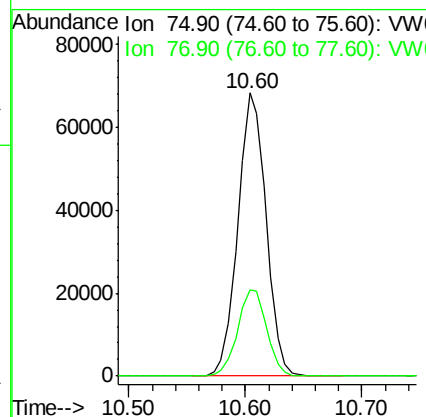
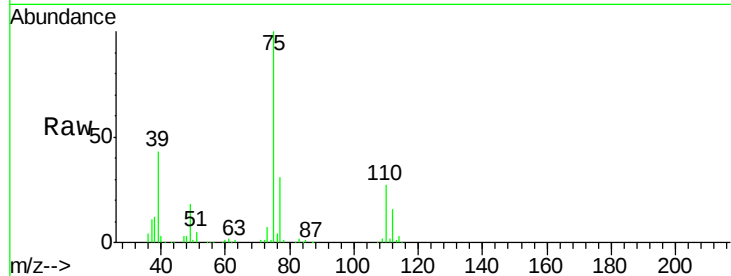
#53
 t-1,3-Dichloropropene
 Concen: 50.217 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 115214
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.0

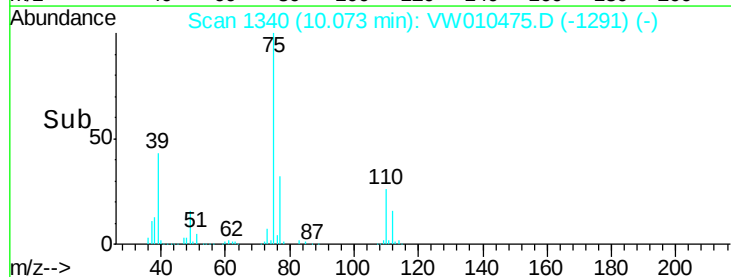
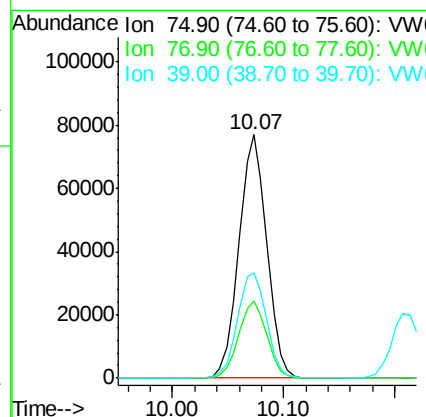
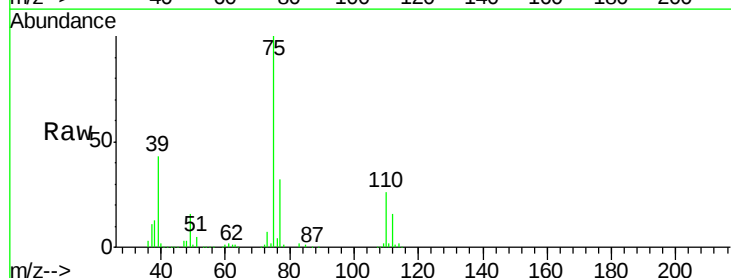
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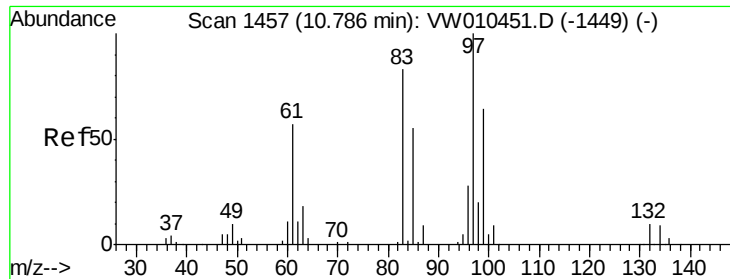
MMDadoda
 5/21/2019 11:29:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.693 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion: 75 Resp: 132827
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.7 38.5
 39 43.4 36.2 54.4





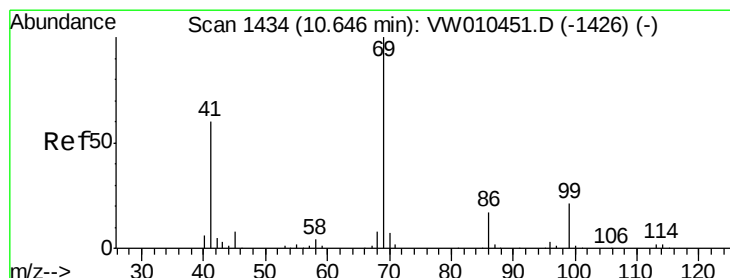
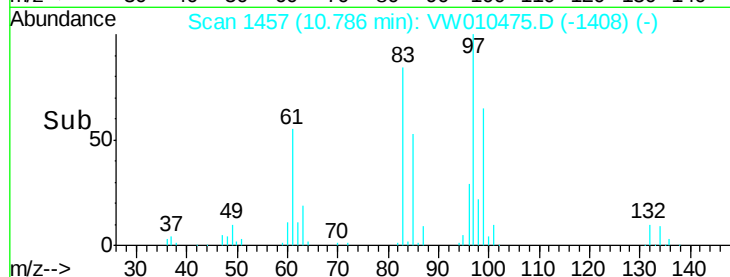
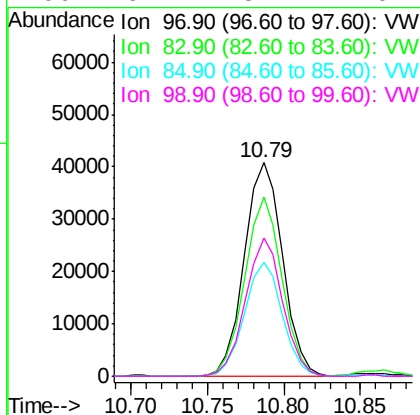
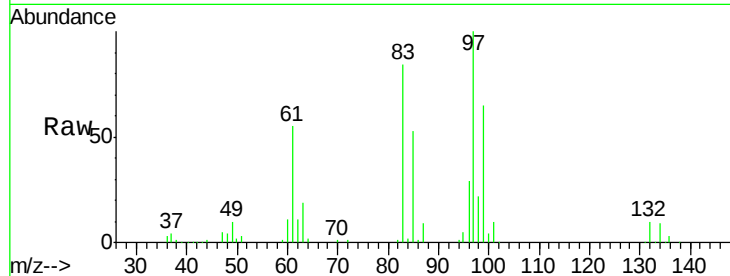
#55
 1,1,2-Trichloroethane
 Concen: 54.857 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		71112		
83	83.8	66.1	99.1		
85	53.4	44.2	66.4		
99	64.7	51.1	76.7		

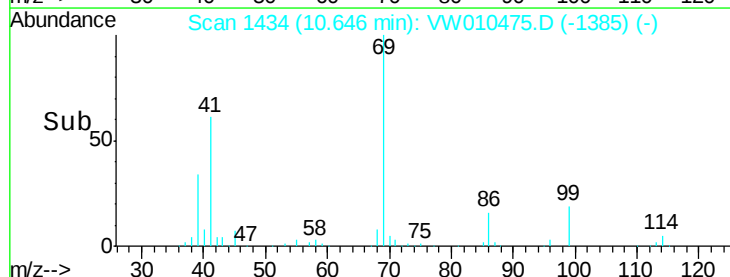
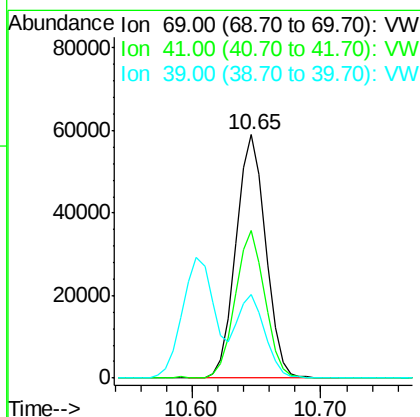
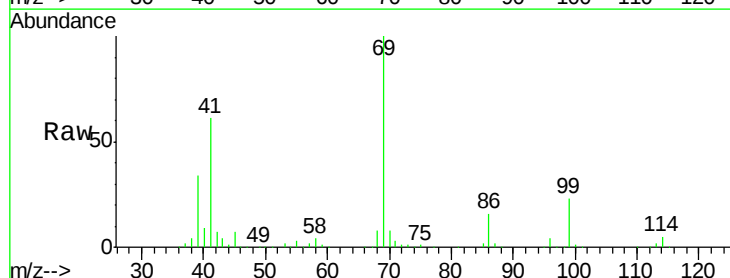
Manual Integrations
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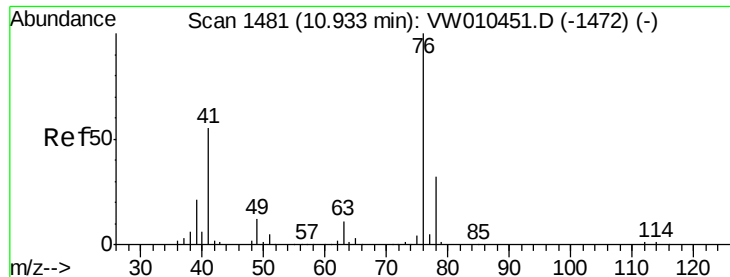
MMDadoda
 5/21/2019 11:29:16 AM



#56
 Ethyl methacrylate
 Concen: 52.807 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		94410		
41	61.3	47.7	71.5		
39	31.7	25.3	37.9		





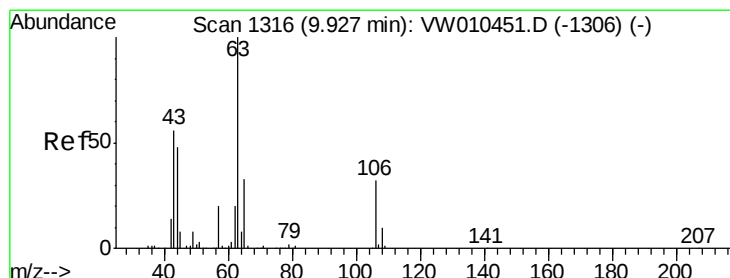
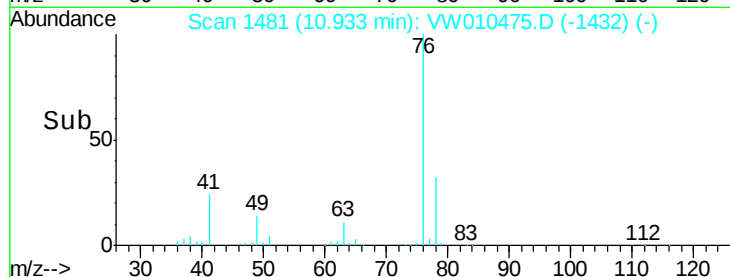
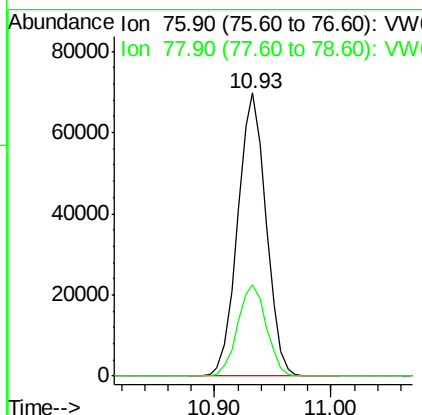
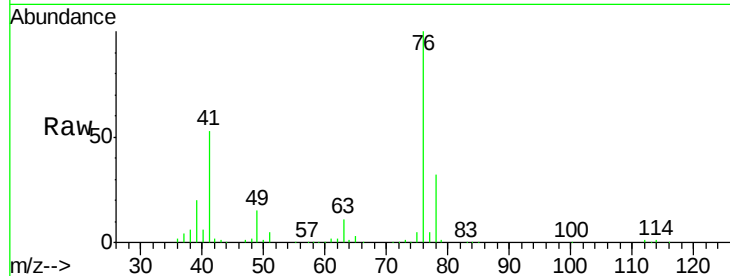
#57
 1,3-Dichloropropane
 Concen: 54.610 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 118582
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

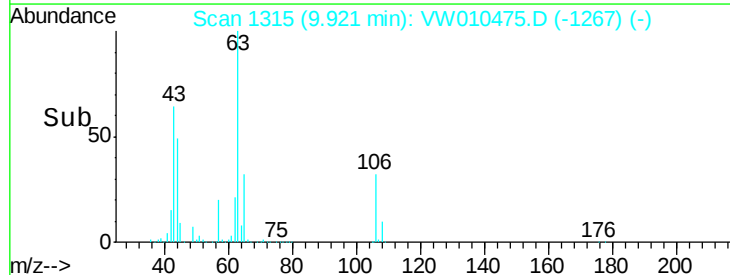
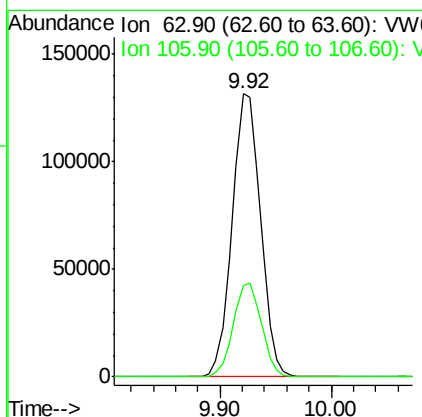
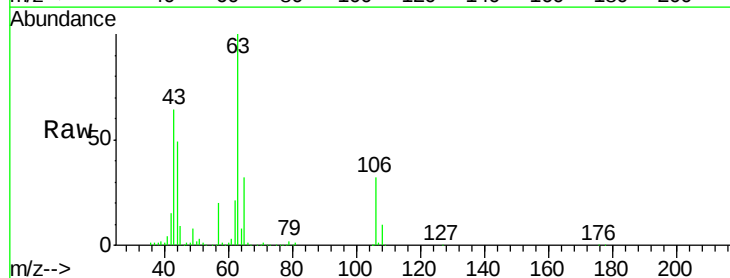
Manual Integrations
 APPROVED

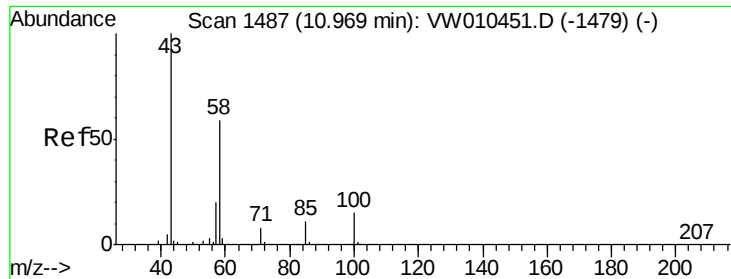
MMDadoda
 5/21/2019 11:29:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.530 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion: 63 Resp: 232442
 Ion Ratio Lower Upper
 63 100
 106 32.8 25.8 38.6





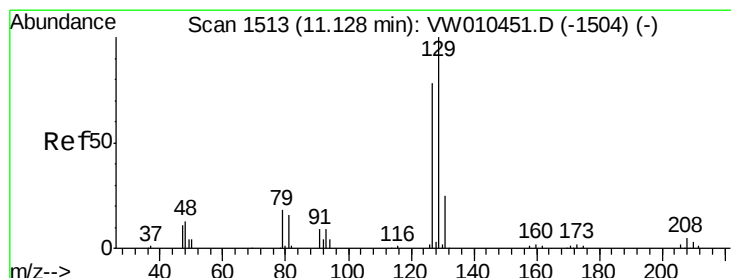
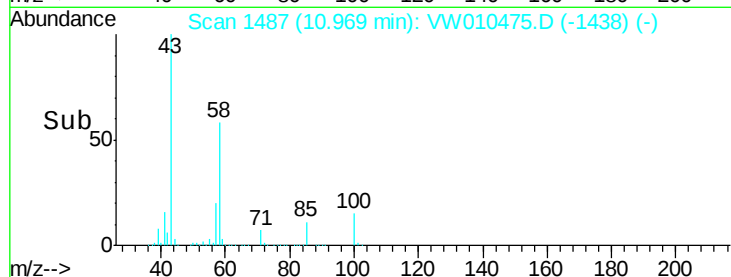
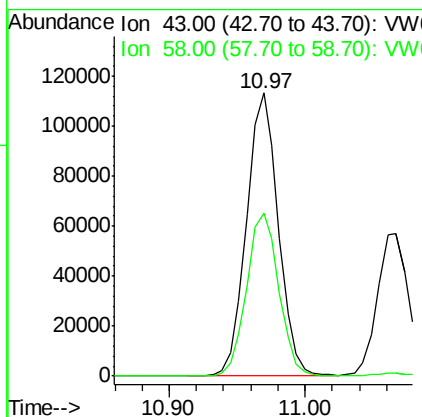
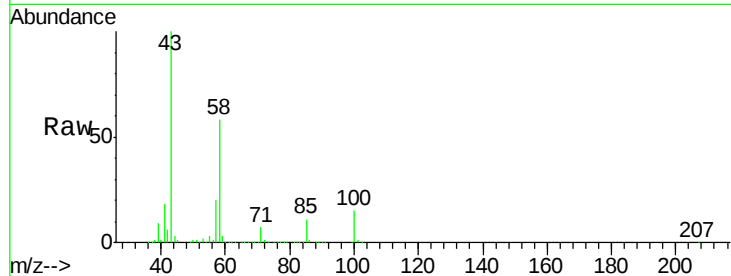
#59
2-Hexanone
Concen: 258.798 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 185580
Ion Ratio Lower Upper
43 100
58 58.4 28.9 86.8

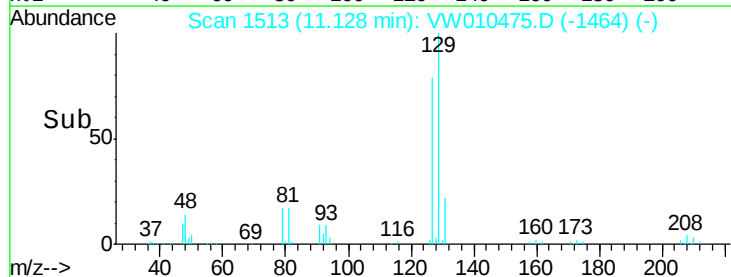
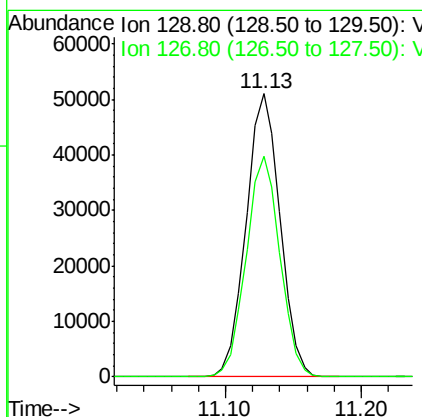
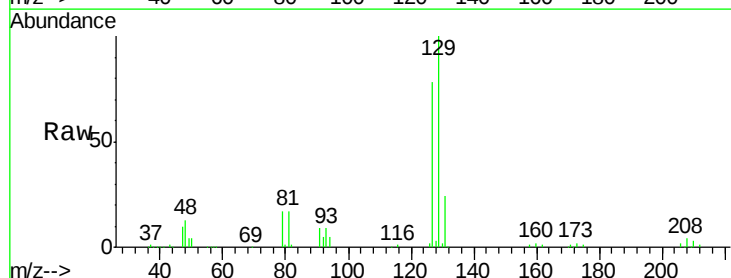
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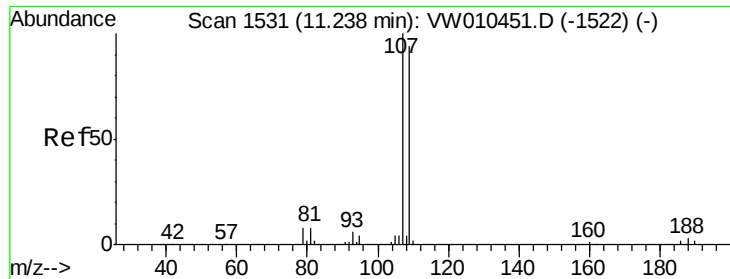
MMDadoda
5/21/2019 11:29:16 AM



#60
Dibromochloromethane
Concen: 54.497 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion: 129 Resp: 89408
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 54.712 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 71845

Ion Ratio Lower Upper

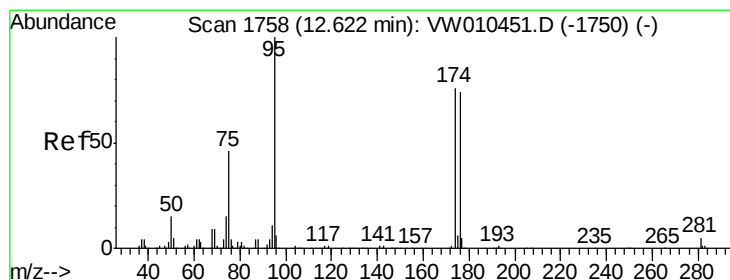
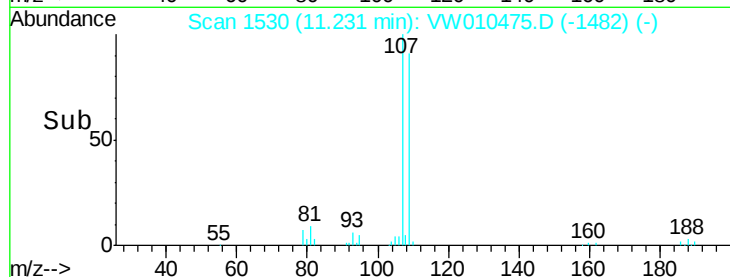
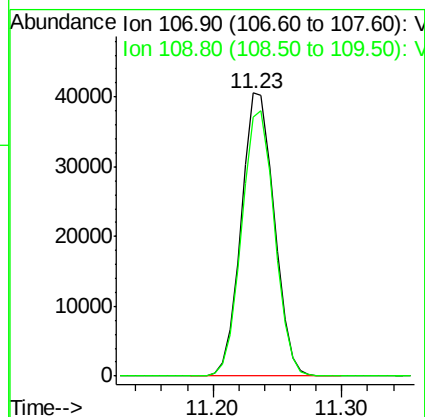
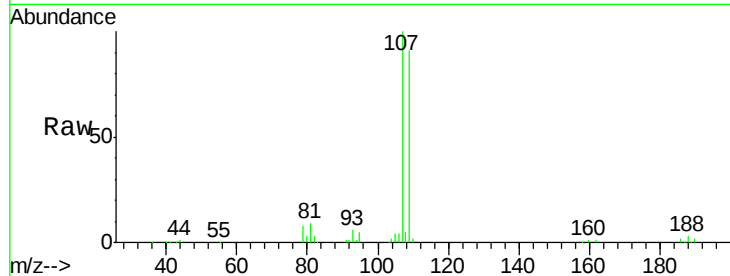
107 100

109 93.3 75.0 112.4

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5/21/2019 11:29:16 AM



#62

4-Bromofluorobenzene

Concen: 50.254 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

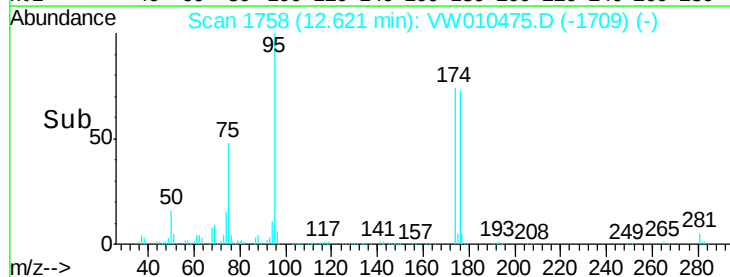
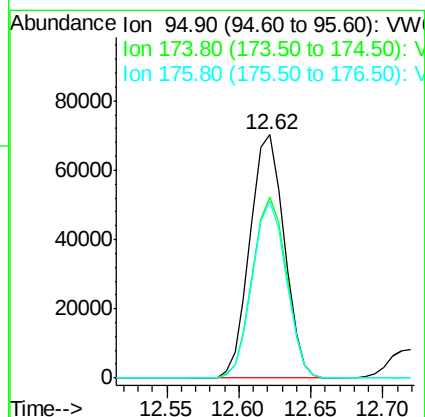
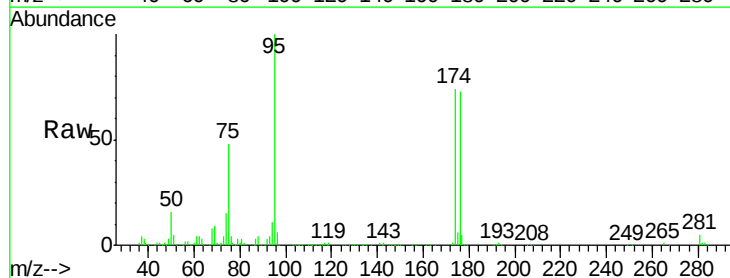
Tgt Ion: 95 Resp: 116311

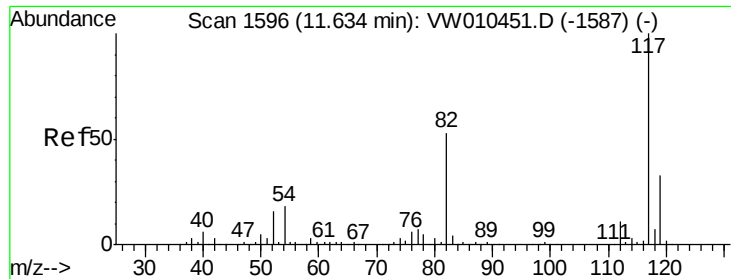
Ion Ratio Lower Upper

95 100

174 74.0 0.0 148.6

176 71.4 0.0 144.2





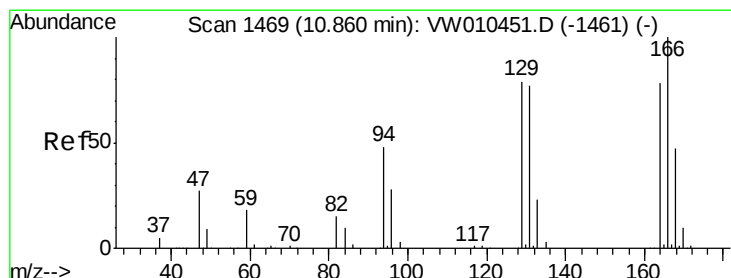
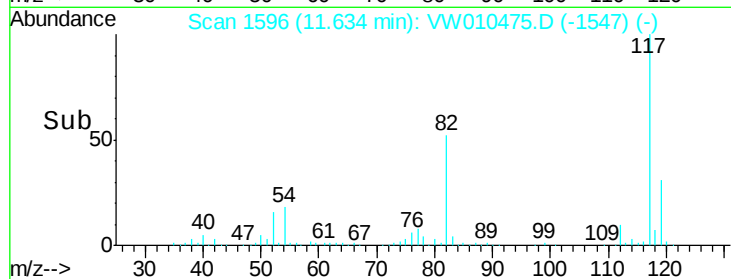
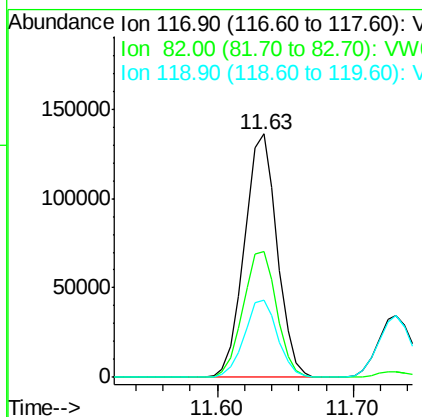
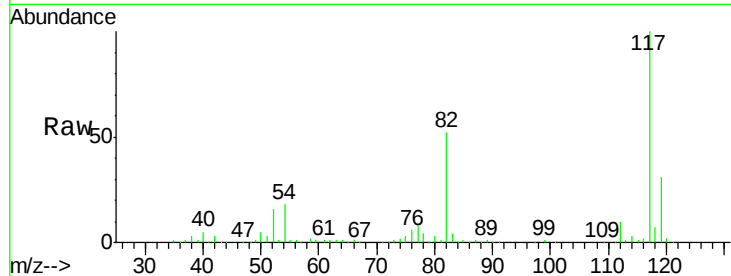
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.8	64.2
119	31.5	26.3	39.5

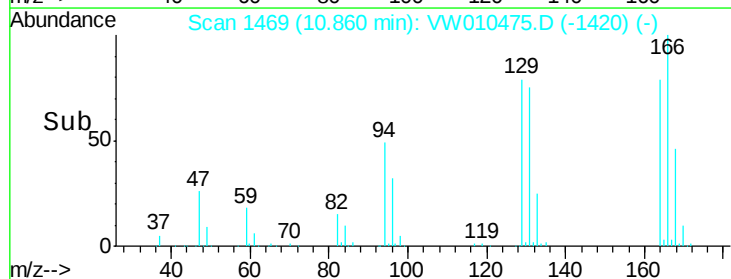
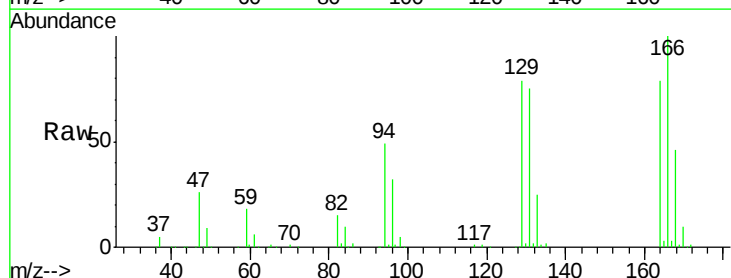
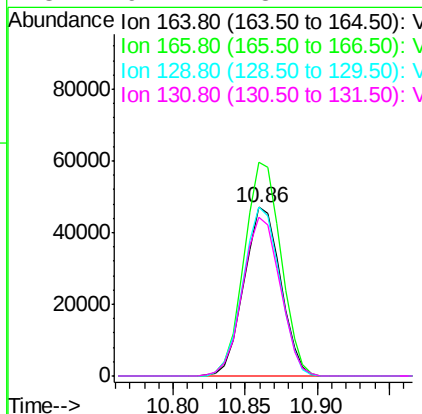
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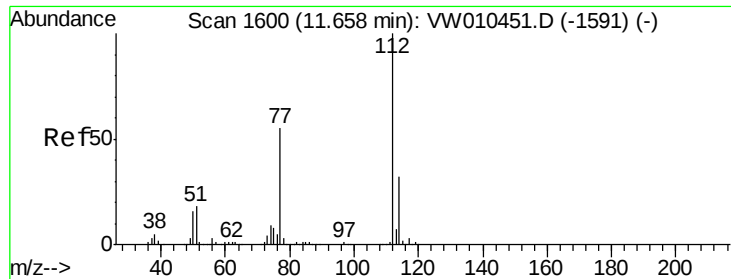
MMDadoda
5/21/2019 11:29:16 AM



#64
Tetrachloroethene
Concen: 51.889 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.9	152.9
129	99.8	80.6	121.0
131	94.4	78.2	117.2





#65

Chlorobenzene

Concen: 49.189 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 239679

Ion Ratio Lower Upper

112 100

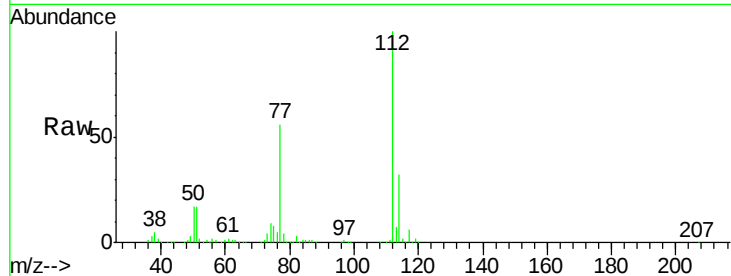
114 32.4 25.3 37.9

Manual Integrations

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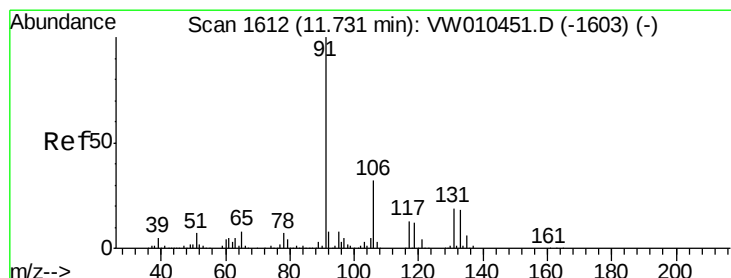
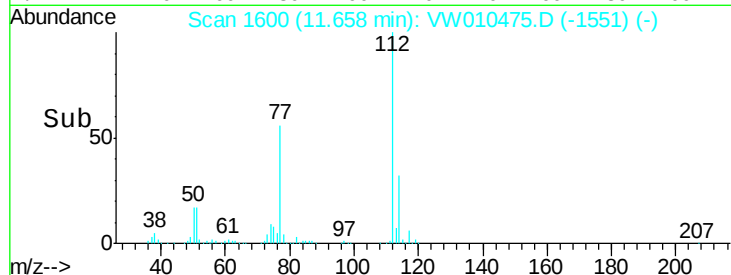
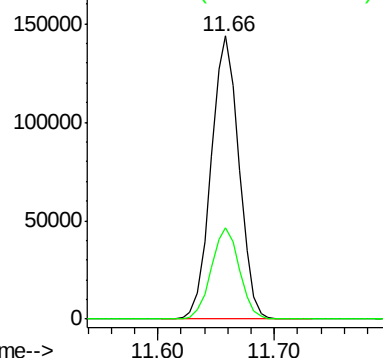
MMDadoda

5/21/2019 11:29:16 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.702 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

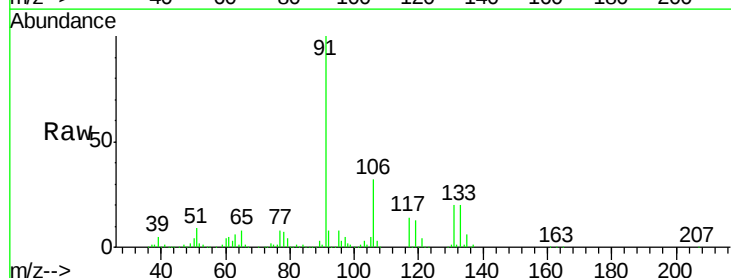
Tgt Ion:131 Resp: 88499

Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.9

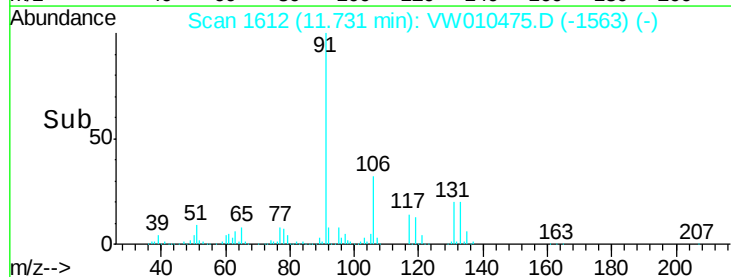
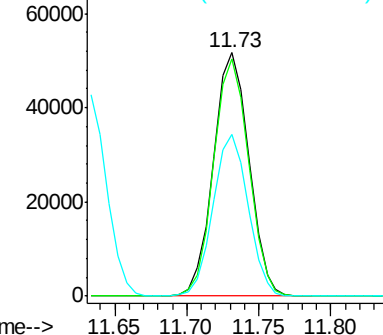
119 65.5 32.1 96.5

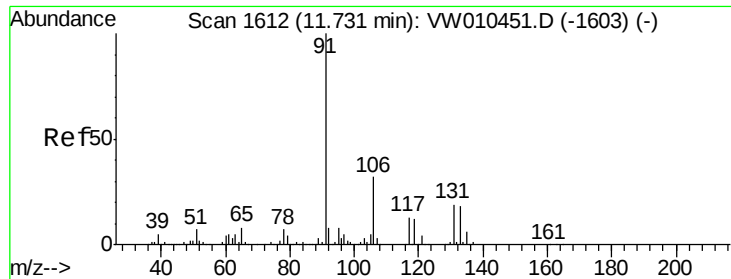


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





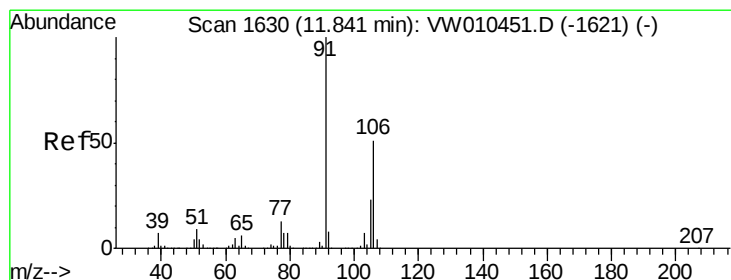
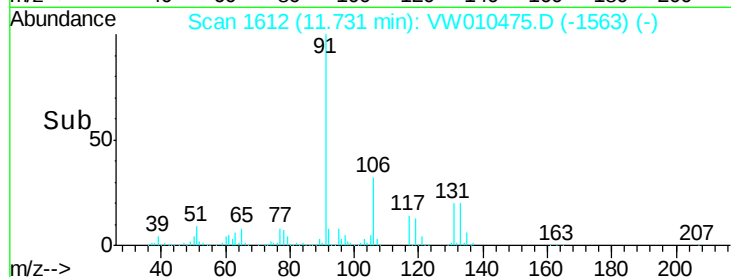
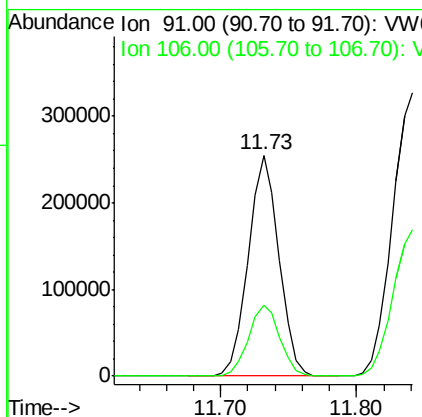
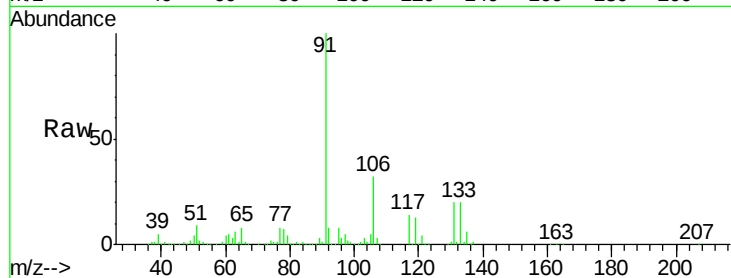
#67
Ethyl Benzene
Concen: 46.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	91	Resp	401737
Ion Ratio	100	Lower	Upper
106	32.4	25.9	38.9

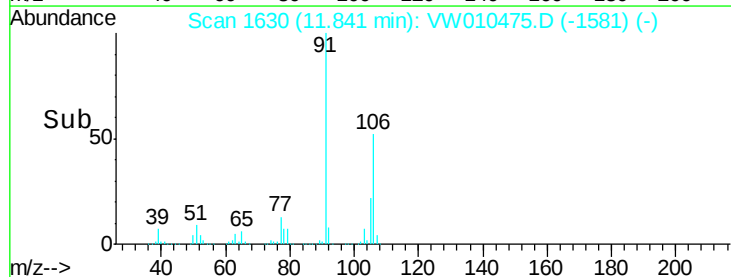
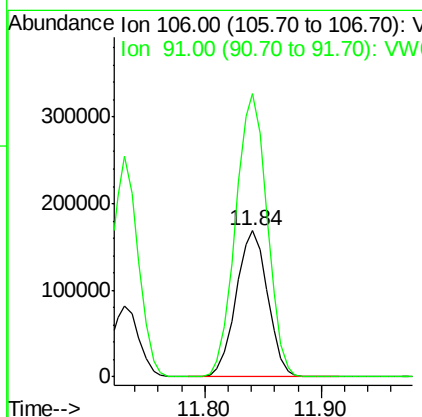
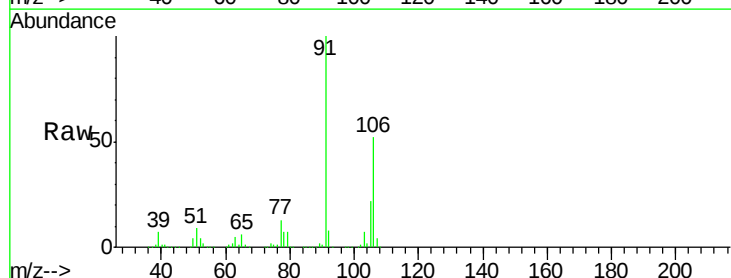
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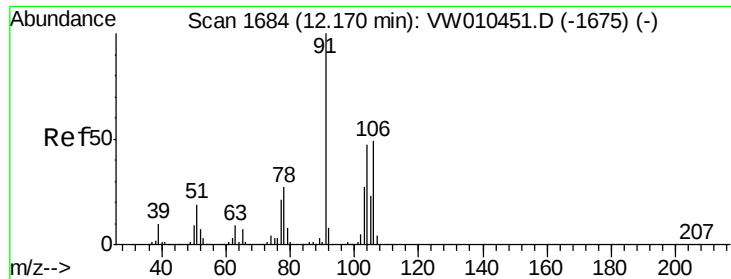
MMDadoda
5/21/2019 11:29:16 AM



#68
m/p-Xylenes
Concen: 93.969 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	106	Resp	317077
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	194.3	156.0	234.0





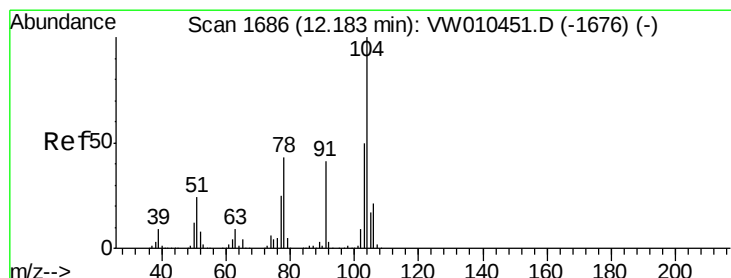
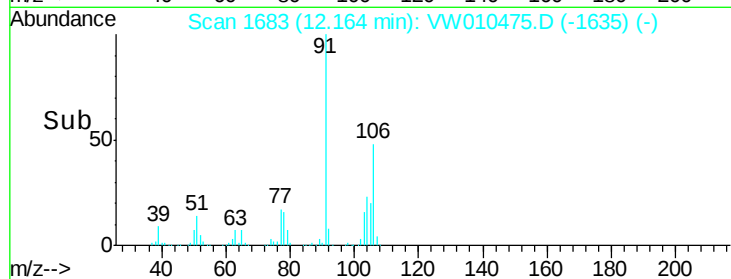
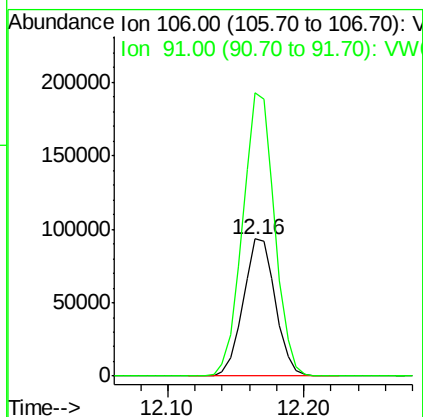
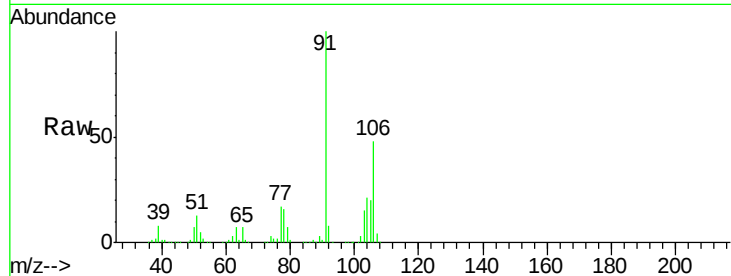
#69
o-Xylene
Concen: 48.125 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.4	103.2	309.4

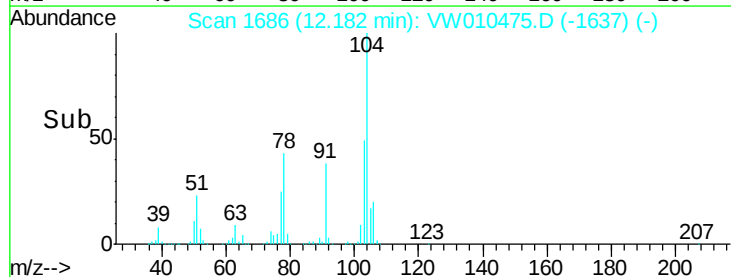
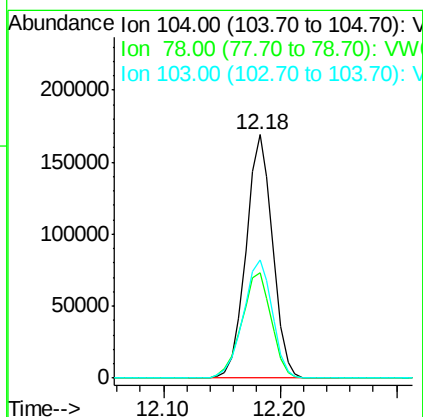
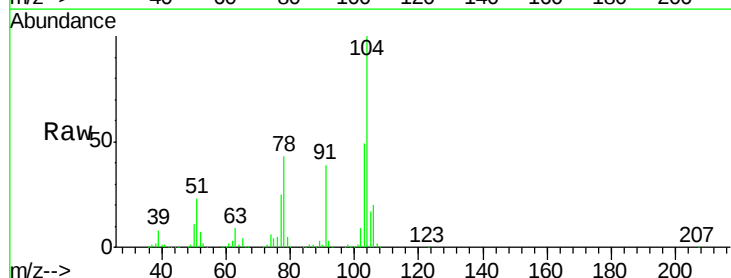
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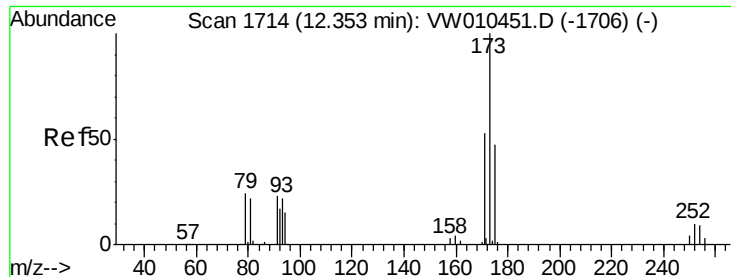
MMDadoda
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#70
Styrene
Concen: 49.500 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.0	58.4
103	53.1	43.0	64.6





#71

Bromoform

Concen: 53.319 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51250

Ion Ratio Lower Upper

173 100

175 47.3 24.4 73.4

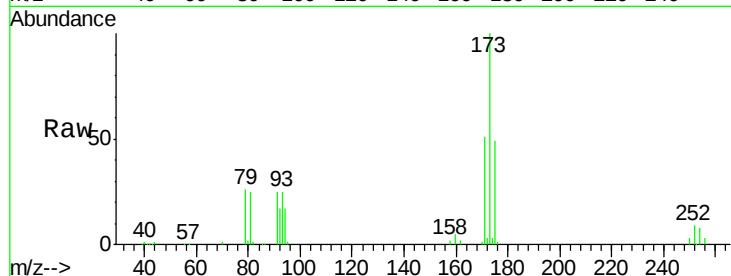
254 0.0 0.0 0.0

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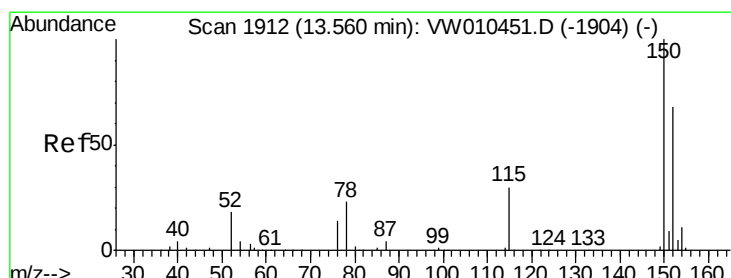
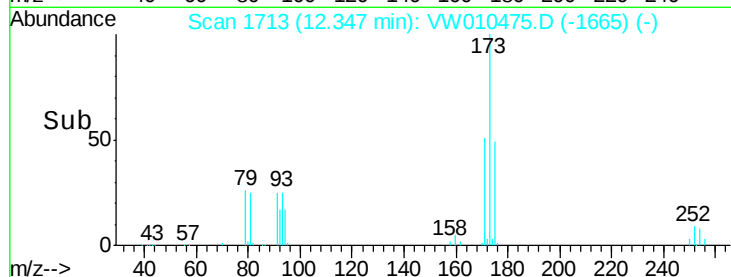
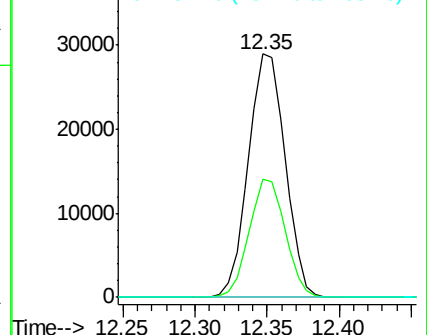
5/21/2019 11:29:16 AM



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: VW010475.D

Acq: 21 May 2019 05:00

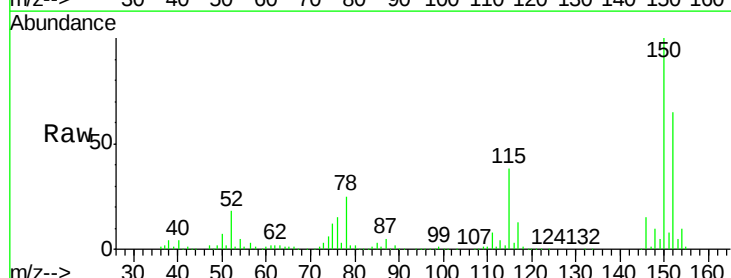
Tgt Ion:152 Resp: 108421

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

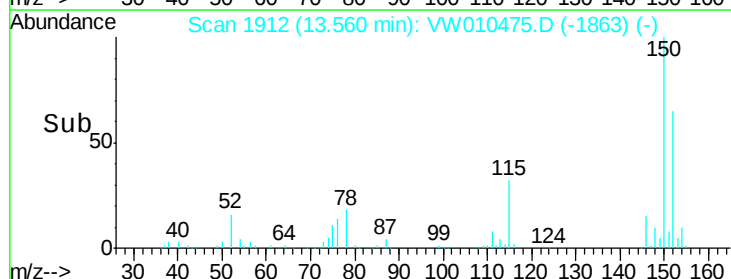
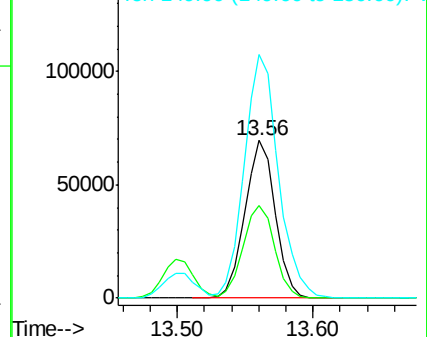
150 173.3 0.0 349.8

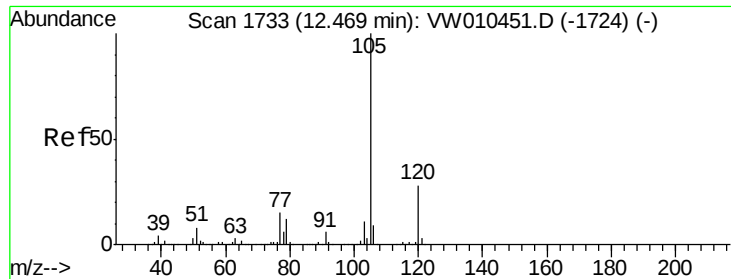


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.897 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 394879

Ion Ratio Lower Upper

105 100

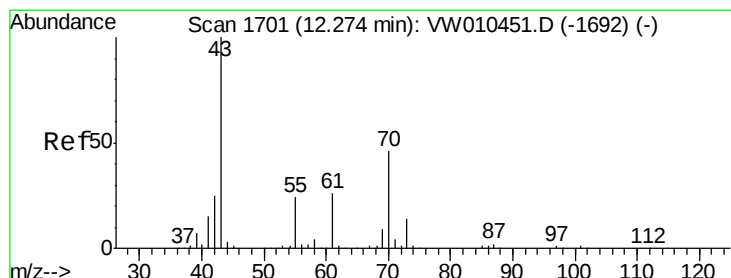
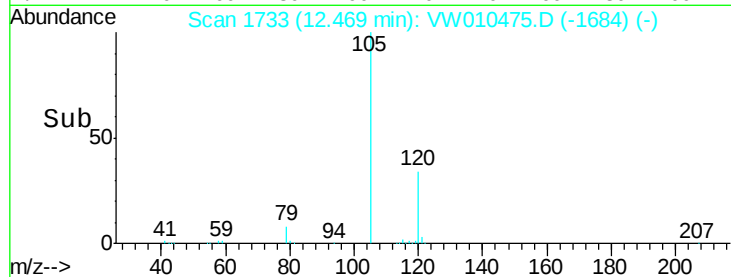
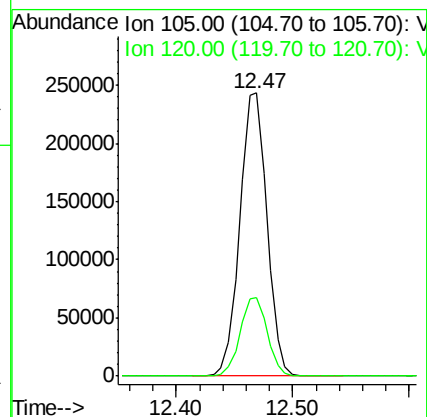
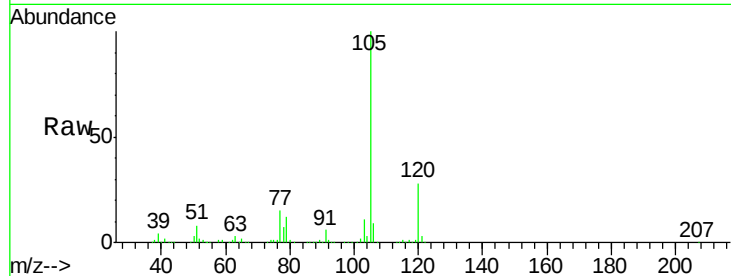
120 27.7 13.9 41.7

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#74

N-ethyl acetate

Concen: 49.571 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion: 43 Resp: 97731

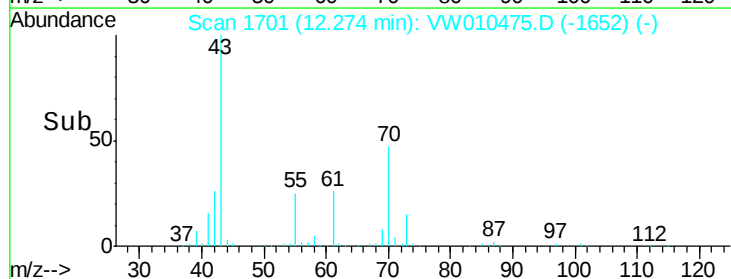
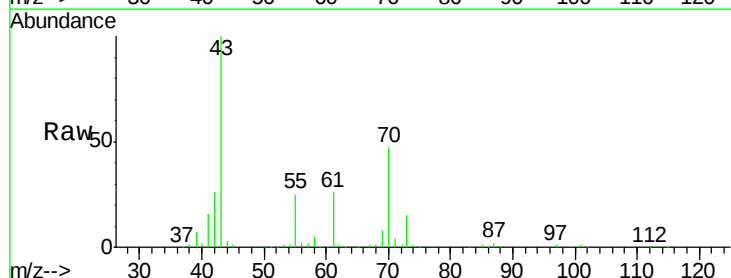
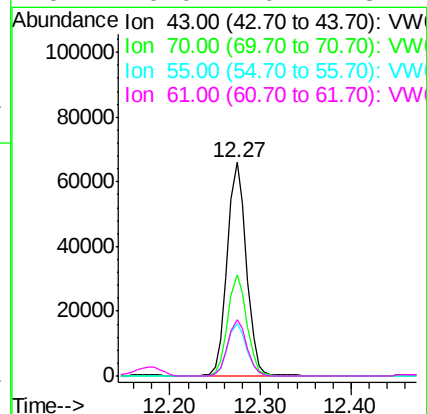
Ion Ratio Lower Upper

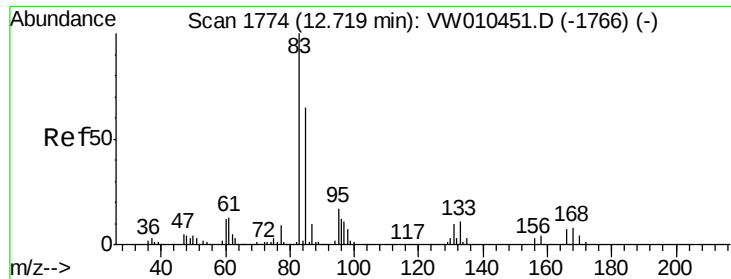
43 100

70 47.0 37.1 55.7

55 24.7 19.6 29.4

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.651 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

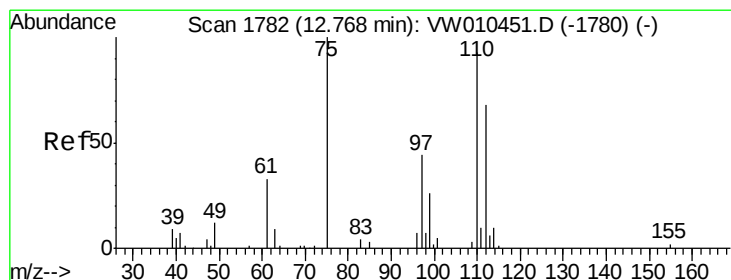
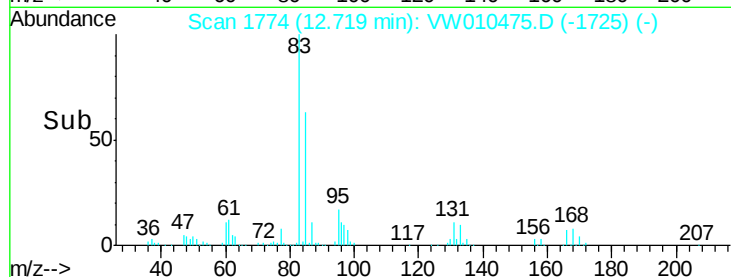
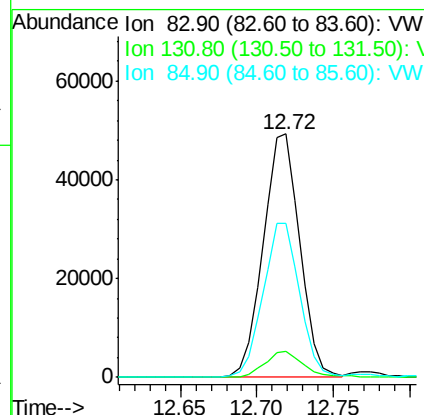
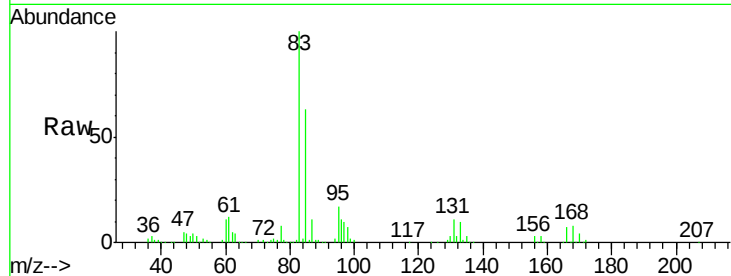
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	82393
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	63.2	32.4	97.0

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 51.833 ug/l m

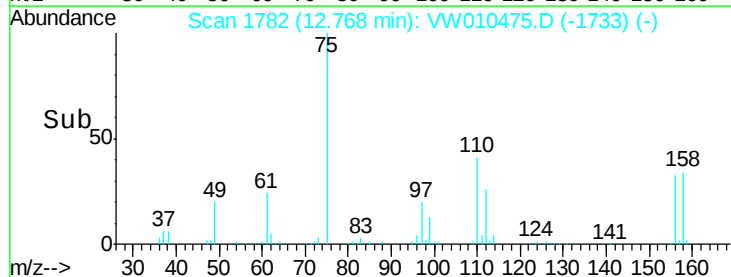
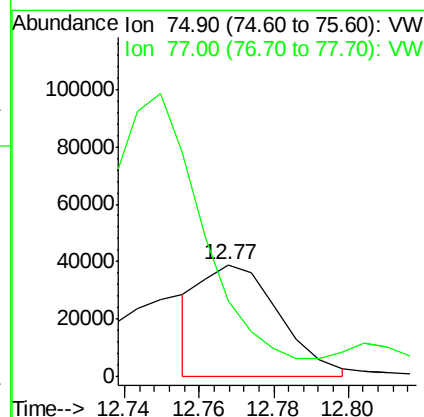
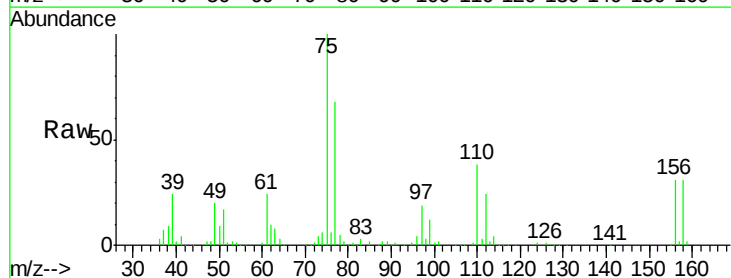
RT: 12.77 min Scan# 1782

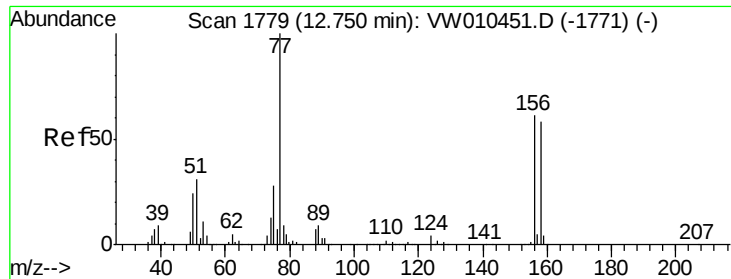
Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion:	75	Resp:	57044
Ion Ratio	Lower	Upper	
75	100		
77	319.7	170.0	510.1





#77

Bromobenzene

Concen: 51.529 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

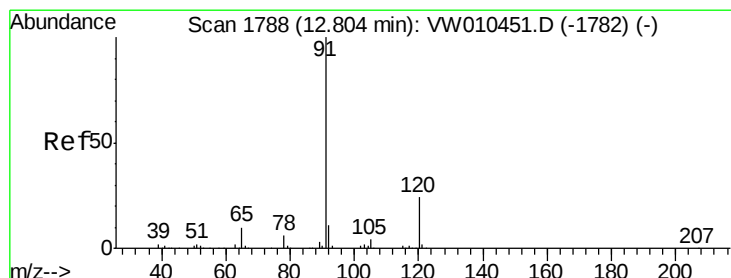
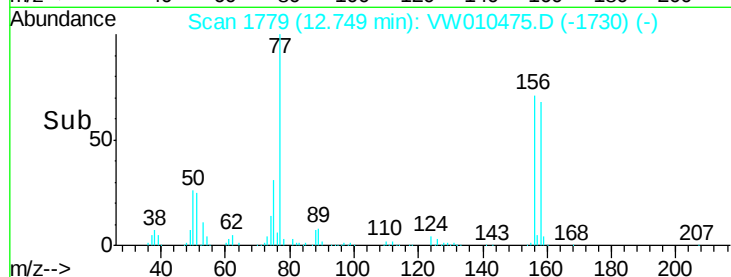
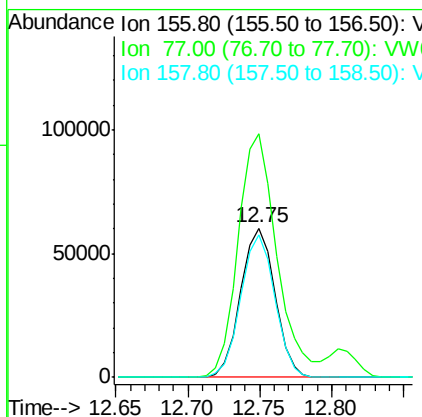
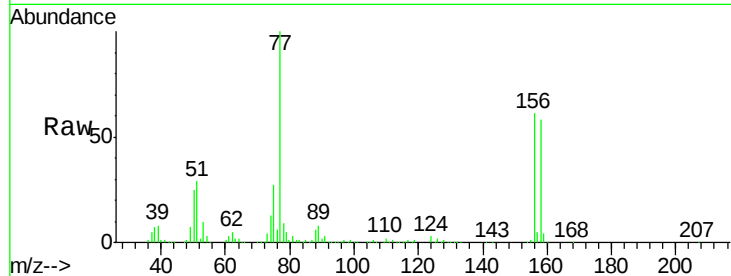
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	99210
Ion Ratio	Lower	Upper	
156	100		
77	183.8	92.4	277.2
158	95.4	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 44.890 ug/l

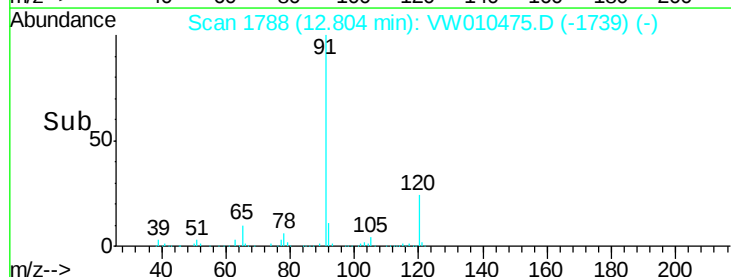
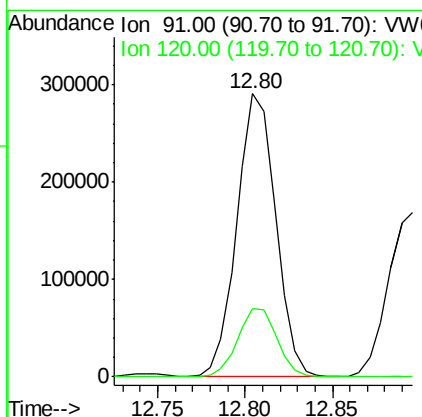
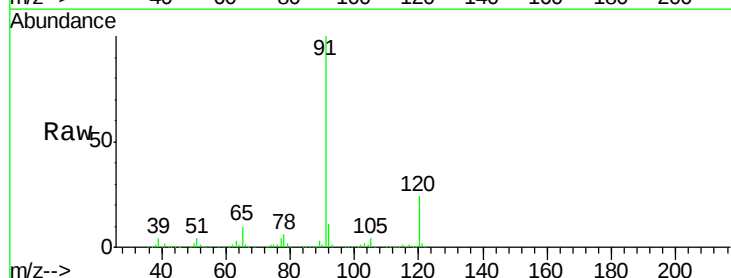
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion:	91	Resp:	450082
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.3	36.8





#79

2-Chlorotoluene

Concen: 47.568 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 276587

Ion Ratio Lower Upper

91 100

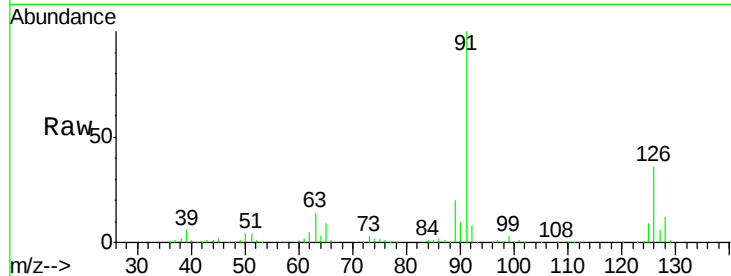
126 35.5 17.4 52.3

Manual Integrations

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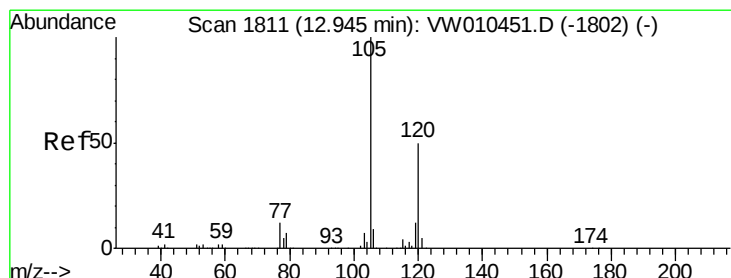
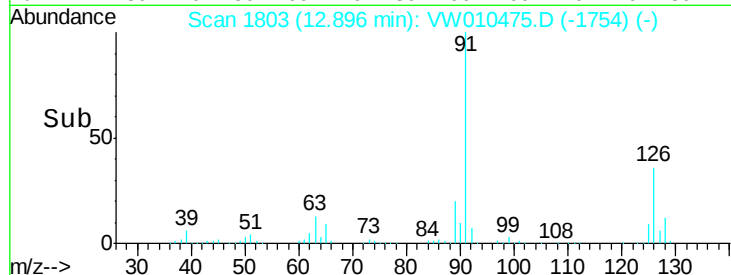
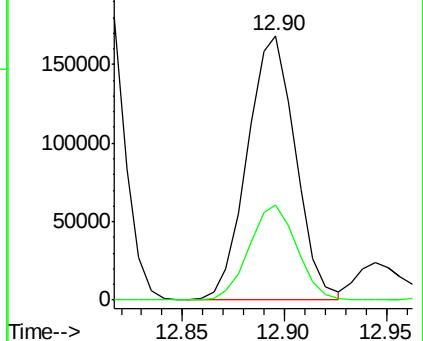
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.493 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010475.D

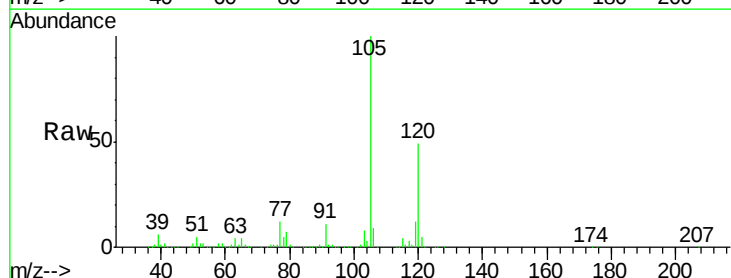
Acq: 21 May 2019 05:00

Tgt Ion:105 Resp: 346065

Ion Ratio Lower Upper

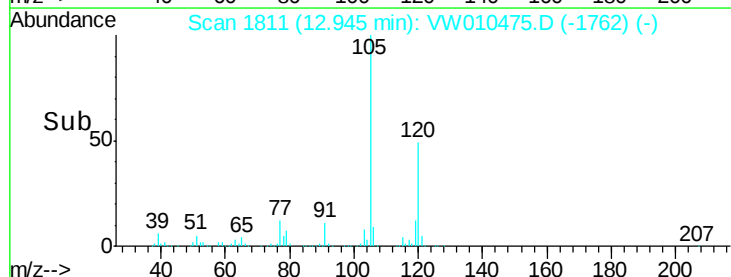
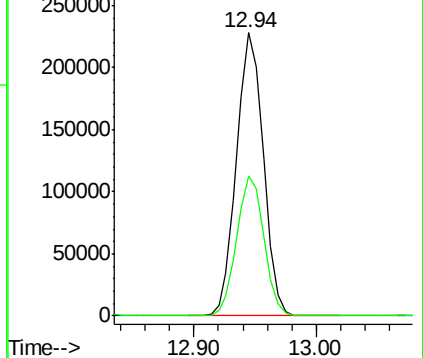
105 100

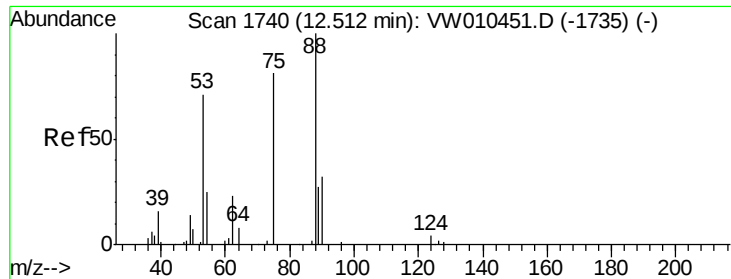
120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





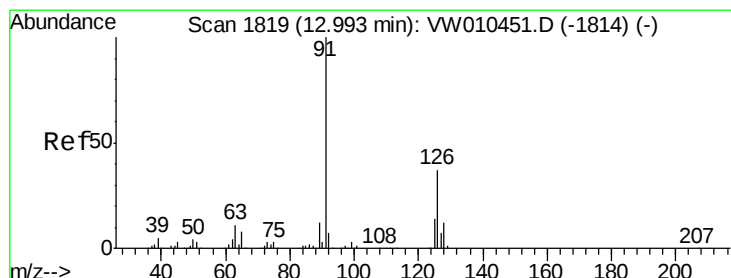
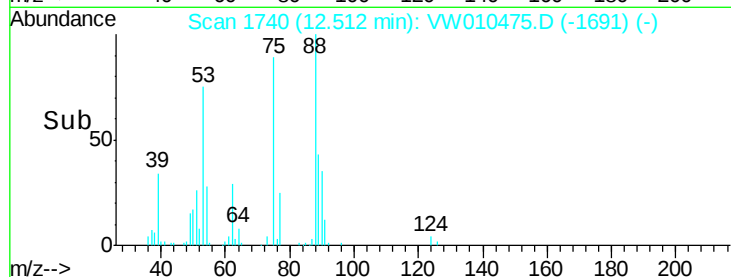
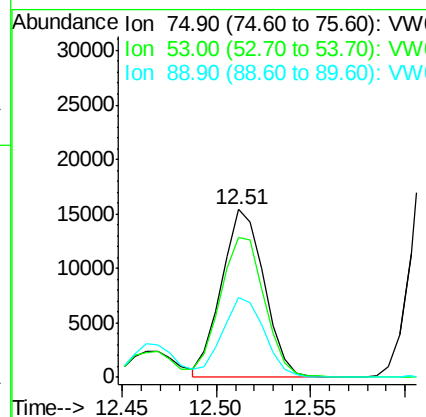
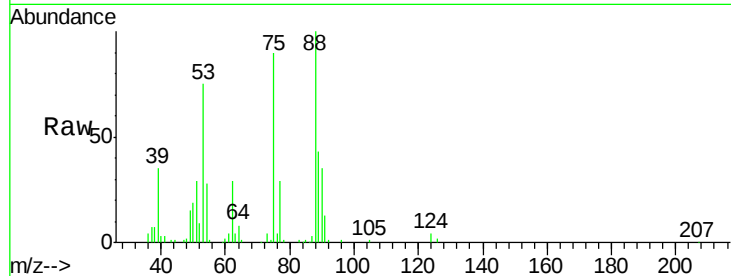
#81
trans-1,4-Dichloro-2-butene
Concen: 45.570 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	69.8	104.8
89	47.4	39.5	59.3

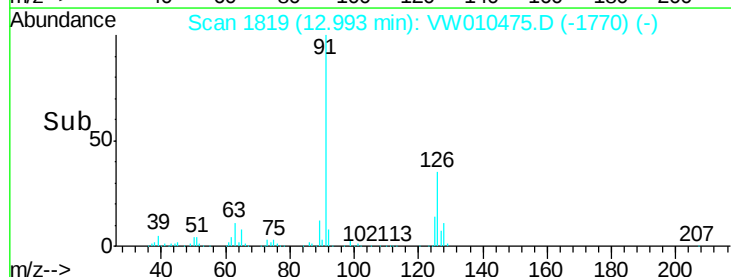
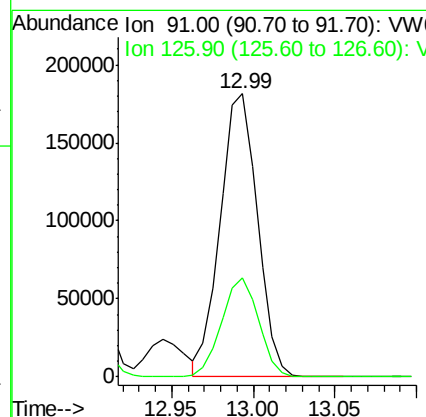
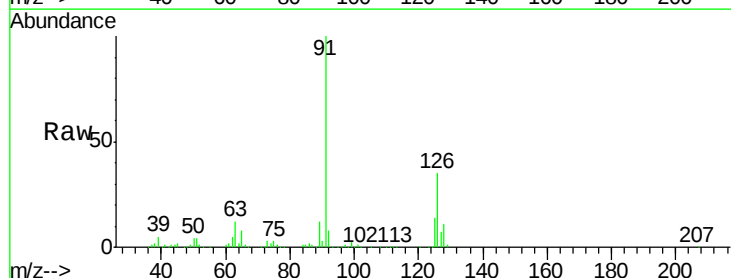
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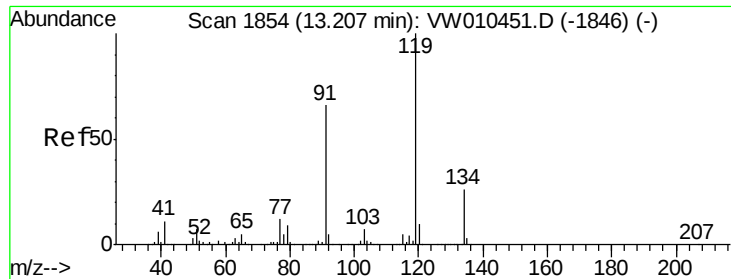
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#82
4-Chlorotoluene
Concen: 47.961 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.6





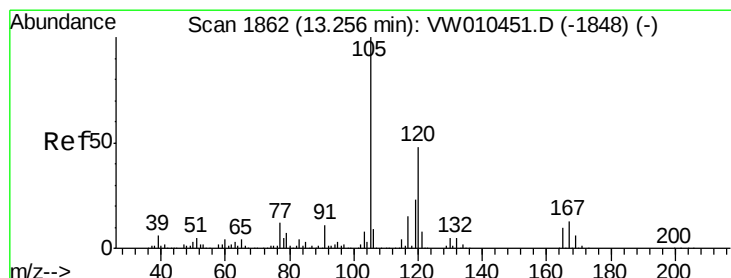
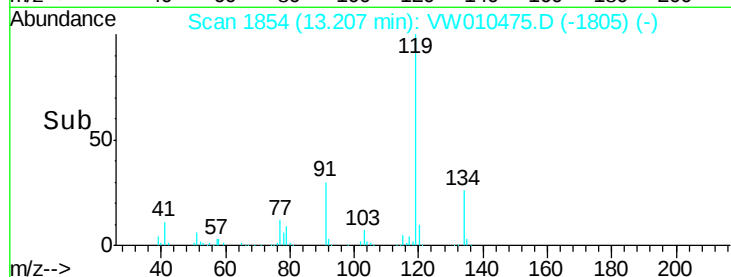
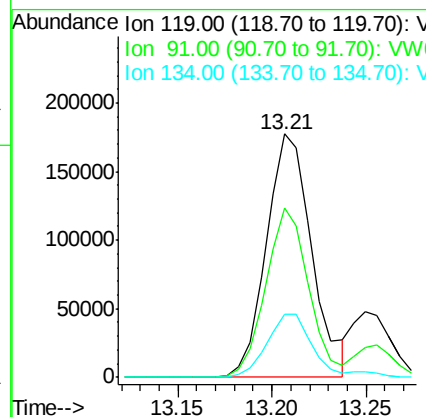
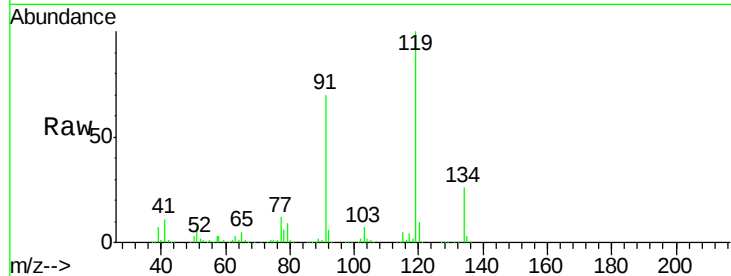
#83
tert-Butylbenzene
Concen: 46.603 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296626		
91	65.5		33.1	99.5
134	26.8		13.9	41.6

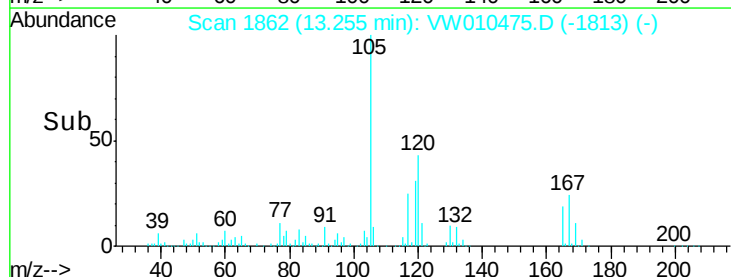
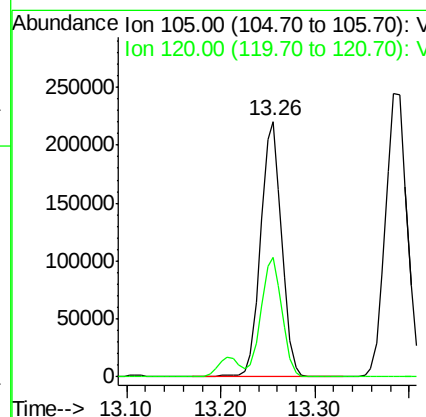
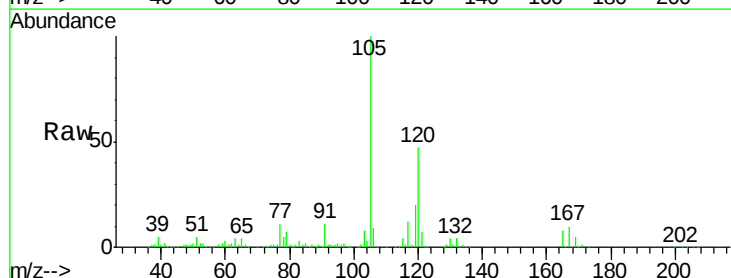
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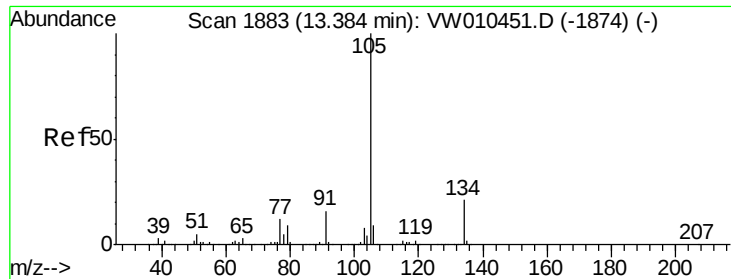
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#84
1,2,4-Trimethylbenzene
Concen: 47.663 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345904		
120	46.6		23.4	70.2





#85

sec-Butylbenzene

Concen: 43.951 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 391488

Ion Ratio Lower Upper

105 100

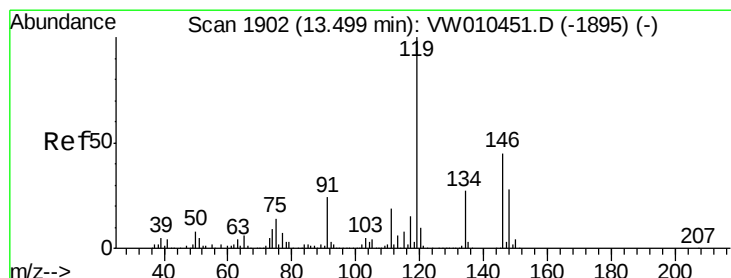
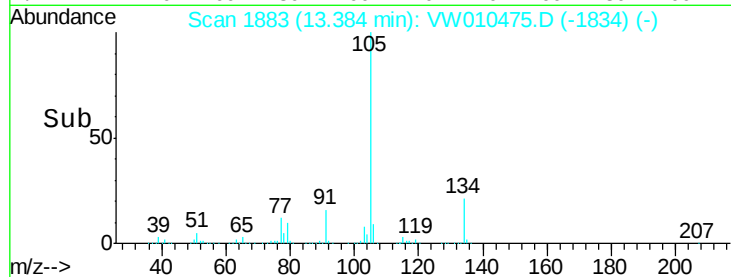
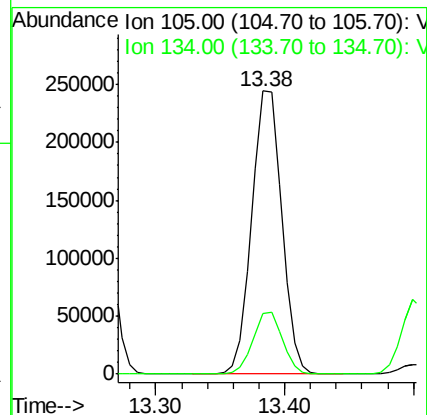
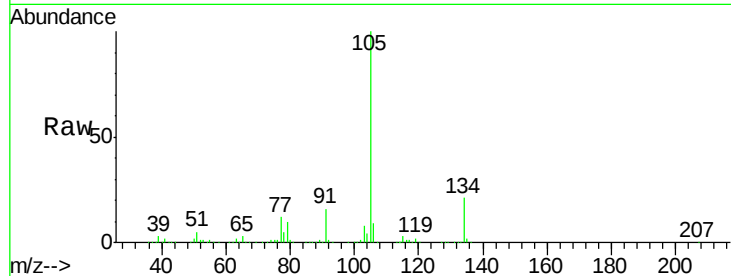
134 21.4 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 44.373 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

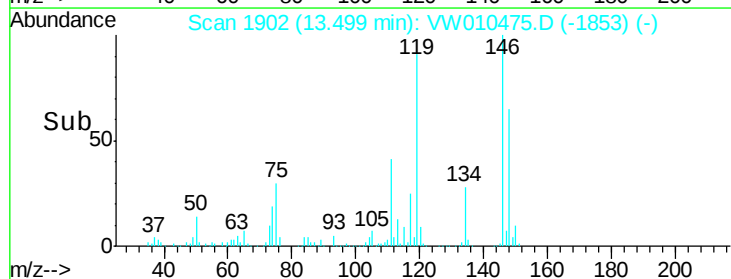
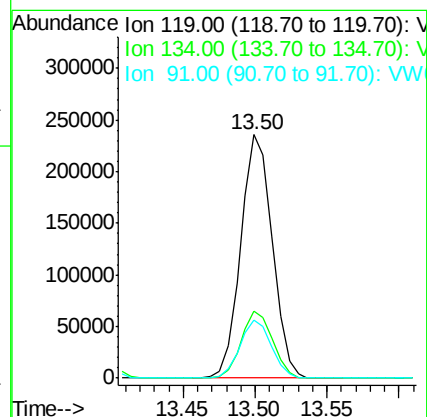
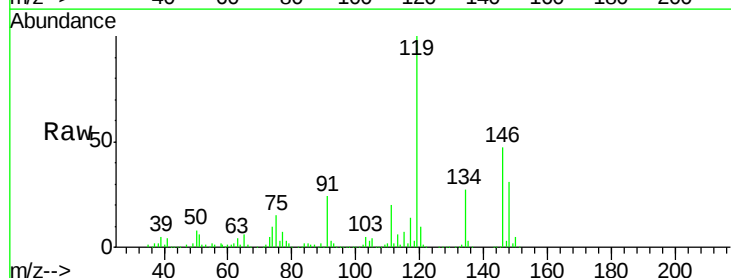
Tgt Ion:119 Resp: 357752

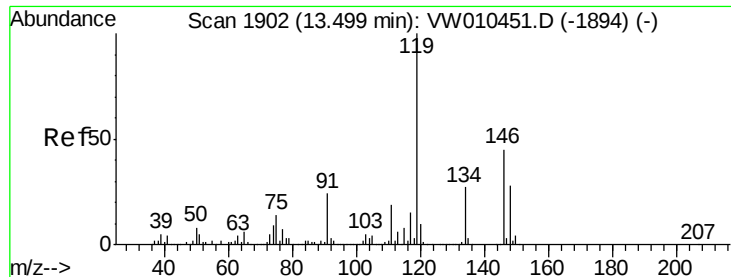
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.7 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 48.156 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Instrument :

MSVOA_W

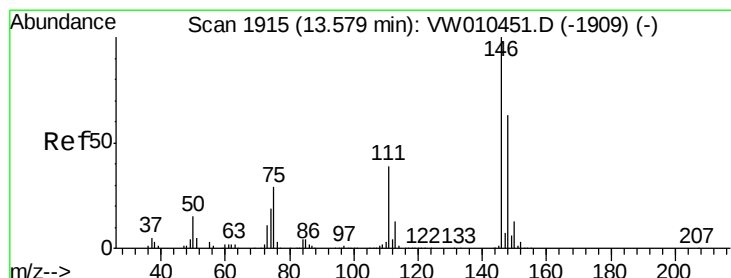
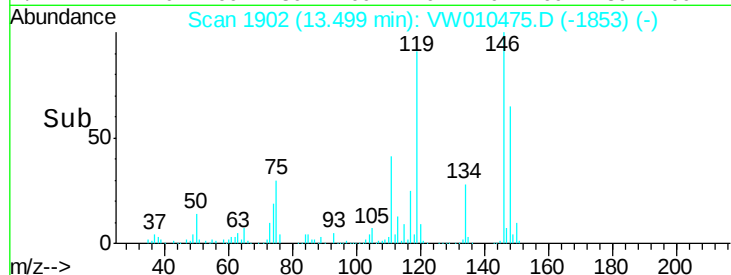
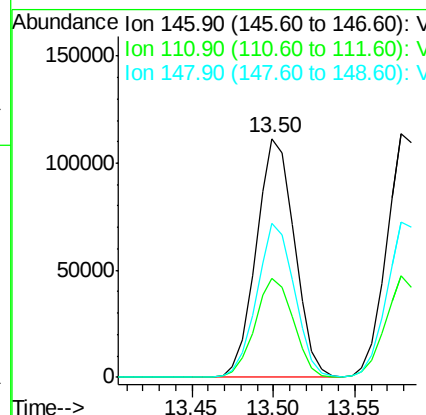
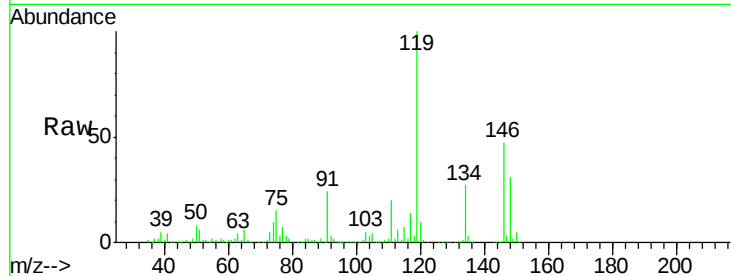
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	181900
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.3	60.9
148	63.5	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.406 ug/l

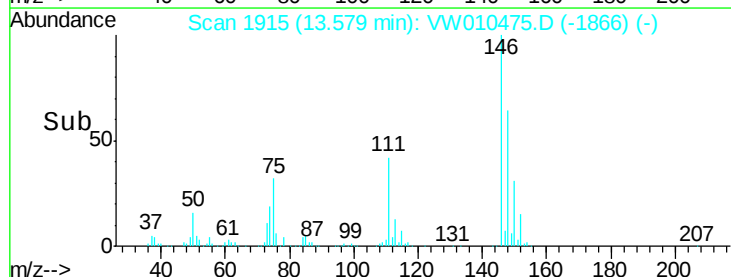
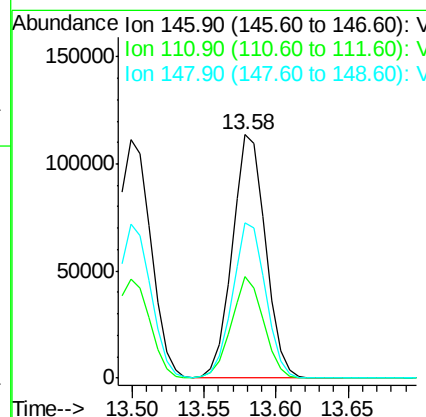
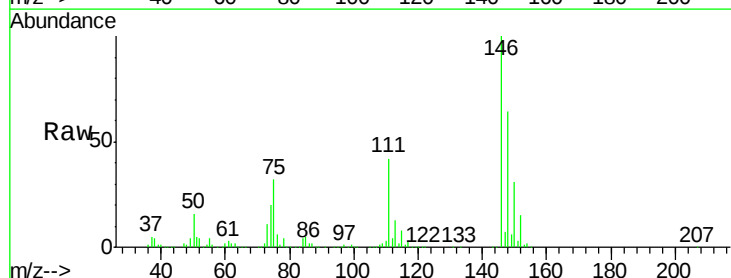
RT: 13.58 min Scan# 1915

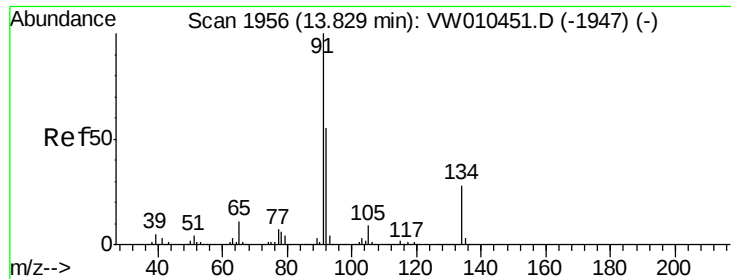
Delta R.T. -0.00 min

Lab File: VW010475.D

Acq: 21 May 2019 05:00

Tgt Ion:	146	Resp:	183454
Ion Ratio	Lower	Upper	
146	100		
111	40.9	19.9	59.6
148	63.5	31.6	94.8





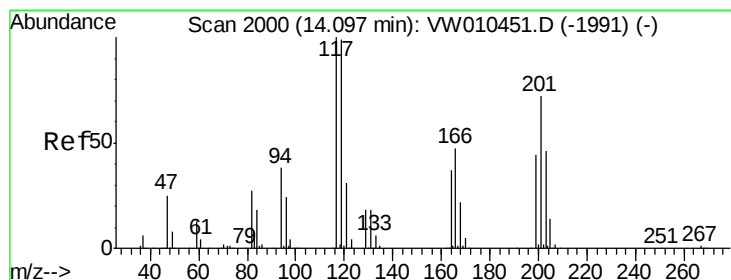
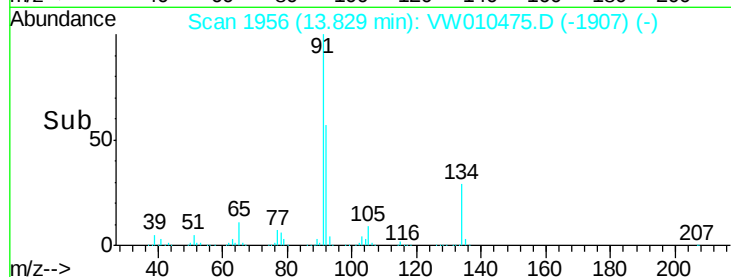
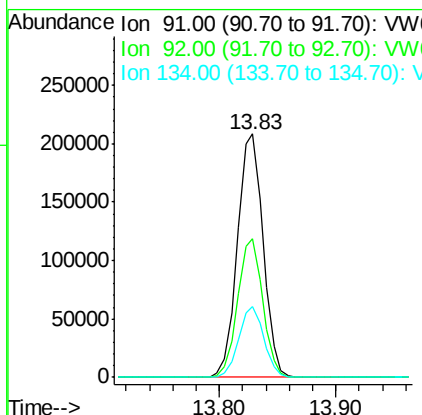
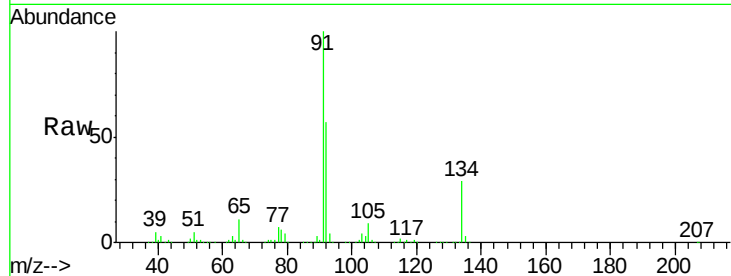
#89
n-Butylbenzene
Concen: 41.819 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.7	83.1
134	28.3	13.9	41.6

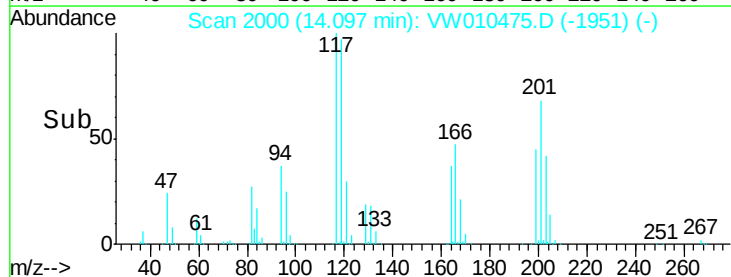
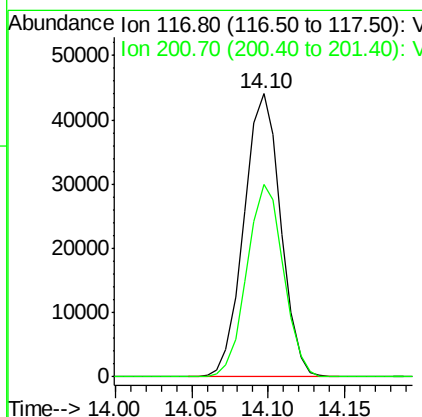
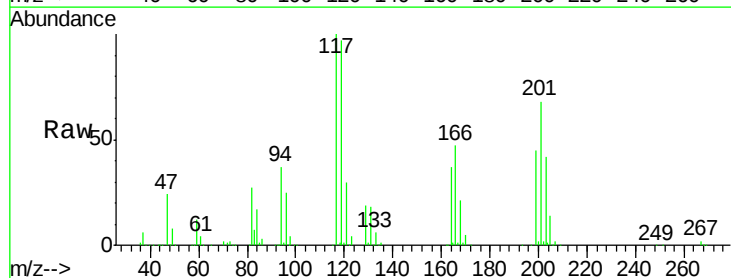
Manual Integrations
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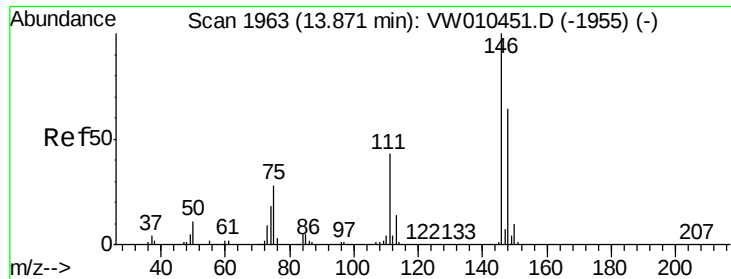
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#90
Hexachloroethane
Concen: 47.116 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.8	34.6	103.8





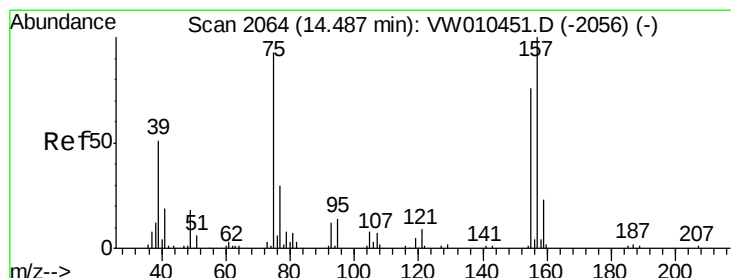
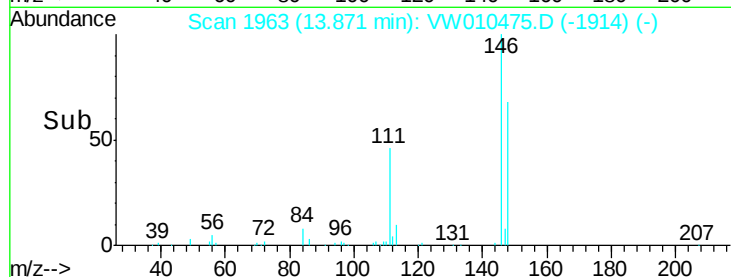
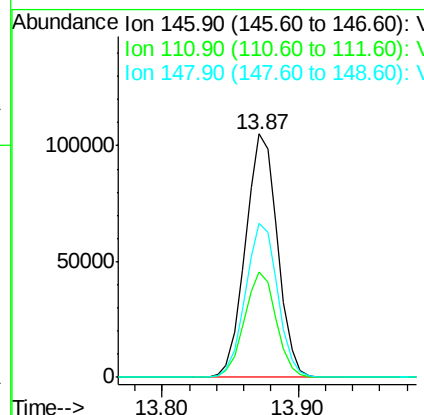
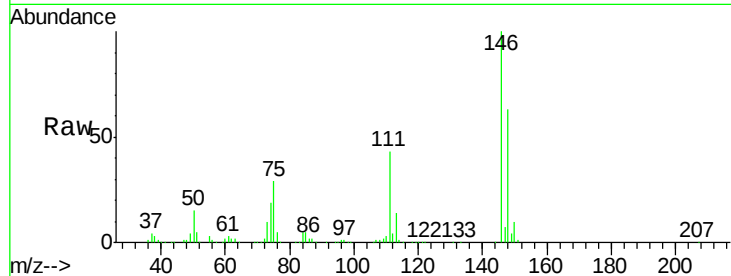
#91
 1,2-Dichlorobenzene
 Concen: 50.205 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	63.5	32.0	96.0

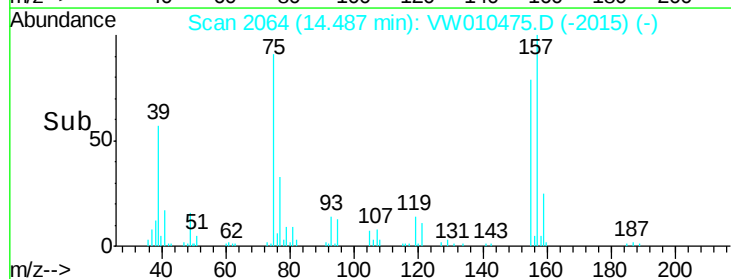
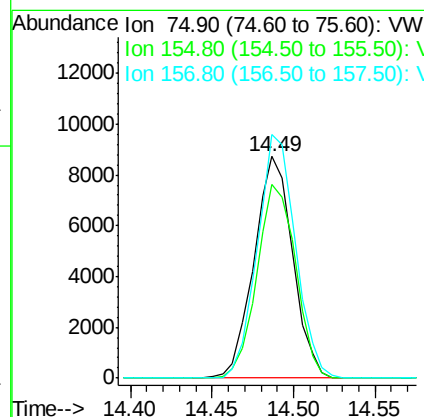
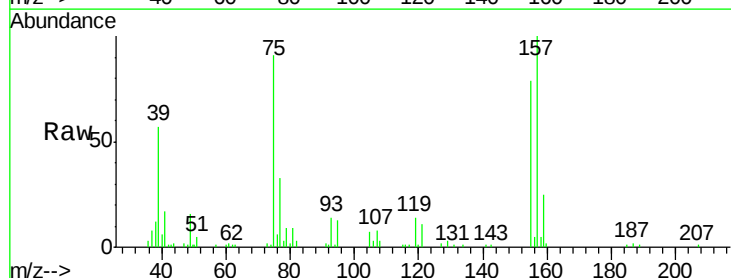
Manual Integrations
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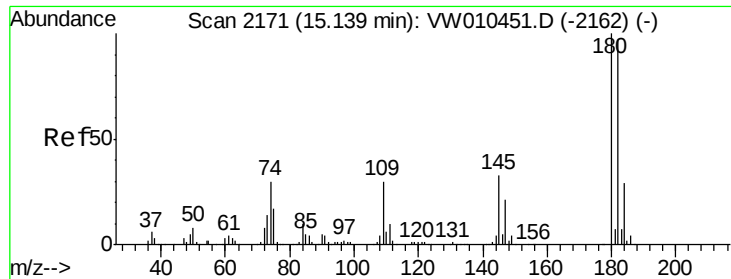
MMDadoda
 5/21/2019 11:29:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.378 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	43.0	129.0
157	107.8	55.7	167.1





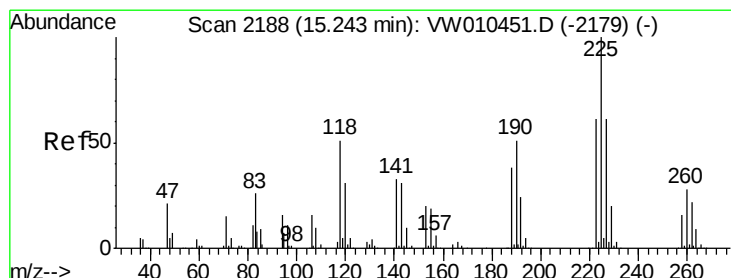
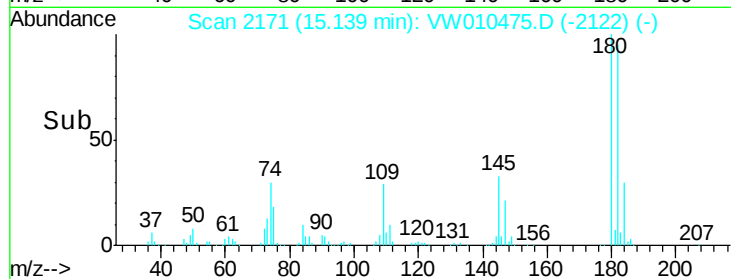
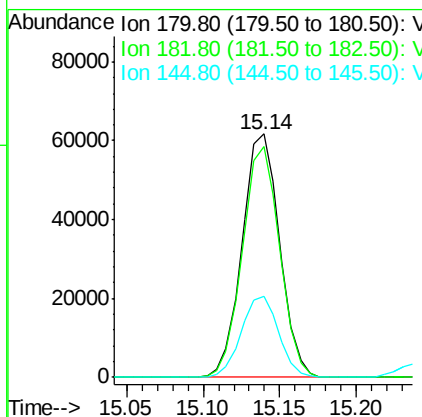
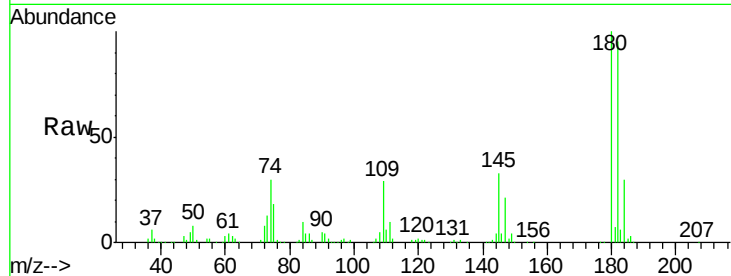
#93
 1,2,4-Trichlorobenzene
 Concen: 44.986 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	47.0	141.2	
145	33.1	16.7	50.0	

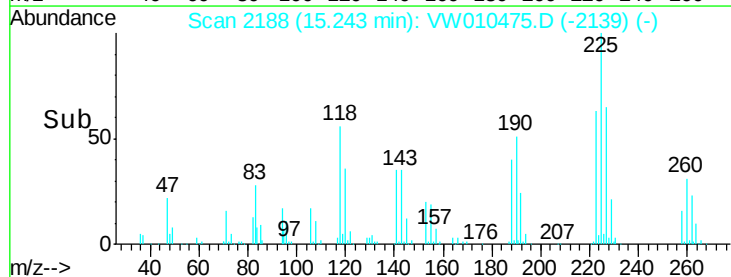
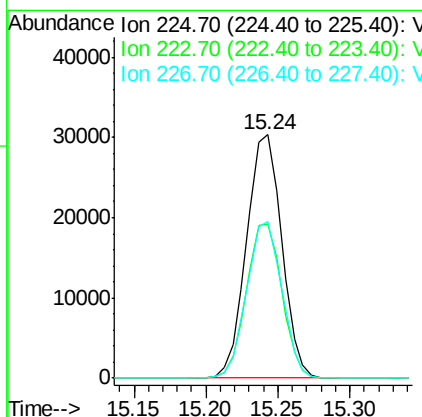
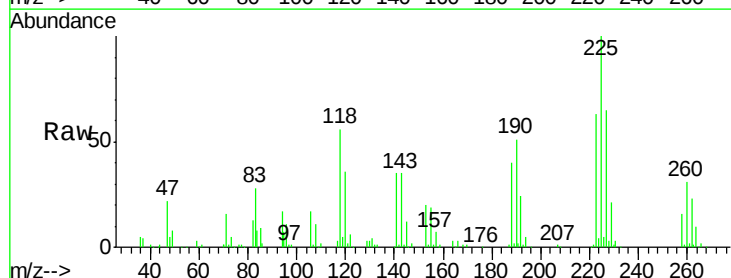
Manual Integrations
 APPROVED

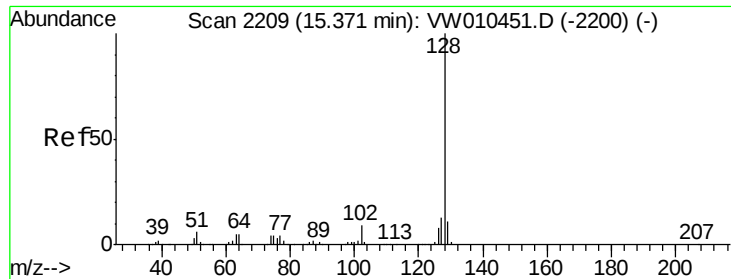
MMDadoda
 5/21/2019 11:29:16 AM



#94
 Hexachlorobutadiene
 Concen: 40.962 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010475.D
 Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	31.1	93.2	
227	64.3	31.1	93.5	





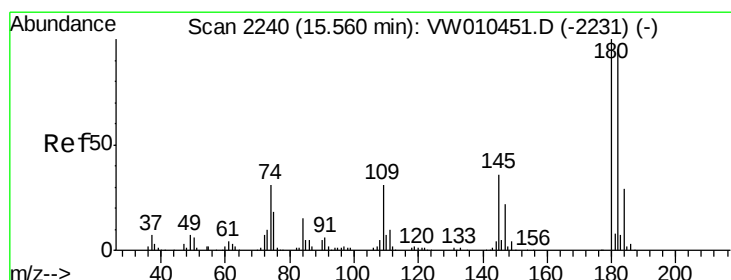
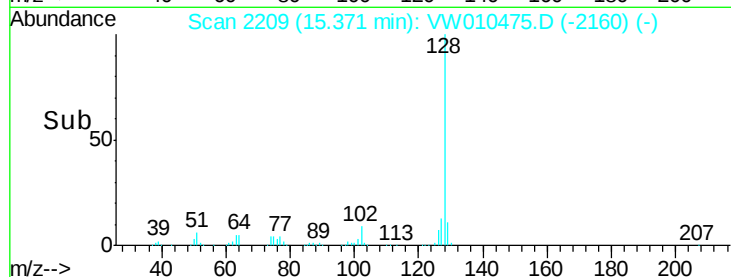
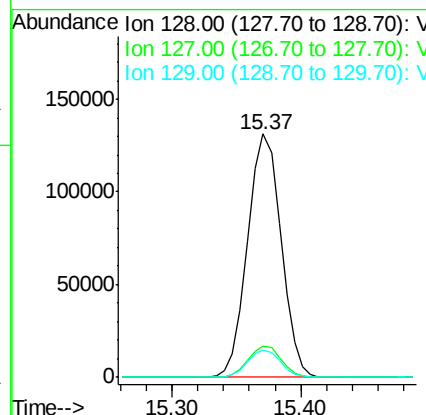
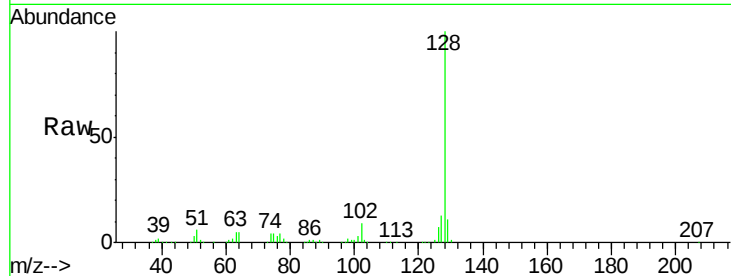
#95
Naphthalene
Concen: 48.054 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	236216		
127	12.7	10.6	15.8	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
5/21/2019 11:29:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.151 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010475.D
Acq: 21 May 2019 05:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90979		
182	95.5	47.1	141.3	
145	37.0	17.4	52.3	

