

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012100.D
 Acq On : 22 Aug 2019 10:40
 Operator : SY/VA
 Sample : VW0822SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 10:54:52 AM

Quant Time: Aug 23 08:11:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144970	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	
35) Dibromofluoromethane	7.88	113	117612	58.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.94%	
50) Toluene-d8	10.32	98	468068	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
62) 4-Bromofluorobenzene	12.61	95	167466	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	27930	22.384	ug/l	96
3) Chloromethane	2.21	50	45820	21.177	ug/l	99
4) Vinyl Chloride	2.36	62	54915	21.081	ug/l	100
5) Bromomethane	2.76	94	25384	17.605	ug/l	99
6) Chloroethane	2.88	64	27159	18.252	ug/l	97
7) Trichlorofluoromethane	3.23	101	24633	21.159	ug/l	99
8) Diethyl Ether	3.67	74	28243	21.397	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47492	21.505	ug/l	99
10) Methyl Iodide	4.26	142	59916	19.199	ug/l	99
11) Tert butyl alcohol	5.20	59	19262	90.119	ug/l	99
12) 1,1-Dichloroethene	4.03	96	47046	20.176	ug/l	97
13) Acrolein	3.89	56	12358	66.992	ug/l	95
14) Allyl chloride	4.66	41	102317	20.631	ug/l	99
15) Acrylonitrile	5.36	53	75379	114.401	ug/l	100
16) Acetone	4.12	43	71366	87.266	ug/l	95
17) Carbon Disulfide	4.37	76	126340	17.312	ug/l	99
18) Methyl Acetate	4.67	43	42815	23.305	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83576	22.587	ug/l	100
20) Methylene Chloride	4.90	84	55370	19.632	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	50846	20.226	ug/l	98
22) Diisopropyl ether	6.31	45	203433	21.757	ug/l	95
23) Vinyl Acetate	6.25	43	631103	107.417	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106903	21.348	ug/l	98
25) 2-Butanone	7.17	43	105365	98.462	ug/l	99
26) 2,2-Dichloropropane	7.16	77	57476	18.663	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	57563	20.805	ug/l	98
28) Bromochloromethane	7.51	49	50291	22.626	ug/l #	100
29) Tetrahydrofuran	7.53	42	69877	114.237	ug/l	99
30) Chloroform	7.67	83	98234	21.263	ug/l	96
31) Cyclohexane	7.95	56	100848	20.980	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	75434	21.440	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81959	22.173	ug/l	99
37) Ethyl Acetate	7.25	43	48958	23.021	ug/l	98
38) Carbon Tetrachloride	8.06	117	69128	21.846	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	89371	21.957	ug/l	98
40) Benzene	8.32	78	223060	21.544	ug/l	99
41) Methacrylonitrile	7.48	41	31444	24.735	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72566	22.386	ug/l	100
43) Isopropyl Acetate	8.42	43	89664	22.926	ug/l	98
44) Trichloroethene	9.09	130	53590	21.535	ug/l	94
45) 1,2-Dichloropropane	9.37	63	61304	22.129	ug/l	99
46) Dibromomethane	9.46	93	27456	21.714	ug/l	99
47) Bromodichloromethane	9.64	83	70151	21.150	ug/l	99
48) Methyl methacrylate	9.44	41	40810	21.722	ug/l	98
49) 1,4-Dioxane	9.46	88	8108	442.861	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	233519	114.789	ug/l	99
52) Toluene	10.38	92	135127	21.611	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72502	20.926	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	86240	20.934	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39927	22.255	ug/l	95
56) Ethyl methacrylate	10.65	69	58102	22.132	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74533	21.959	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	156907	131.636	ug/l	99
59) 2-Hexanone	10.97	43	158930	110.647	ug/l	100
60) Dibromochloromethane	11.13	129	42226	21.204	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37113	21.860	ug/l	100
64) Tetrachloroethene	10.86	164	44379	21.981	ug/l	99
65) Chlorobenzene	11.66	112	135282	21.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	46004	21.186	ug/l	97
67) Ethyl Benzene	11.73	91	262587	22.116	ug/l	99
68) m/p-Xylenes	11.84	106	189419	43.869	ug/l	100
69) o-Xylene	12.16	106	87664	21.848	ug/l	99
70) Styrene	12.18	104	150712	21.724	ug/l	100
71) Bromoform	12.35	173	23323	21.066	ug/l #	96
73) Isopropylbenzene	12.46	105	246539	21.837	ug/l	100
74) N-amyl acetate	12.27	43	77735	21.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48480	22.829	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	41007m	25.609	ug/l	
77) Bromobenzene	12.75	156	53700	21.520	ug/l	98
78) n-propylbenzene	12.80	91	303370	22.080	ug/l	100
79) 2-Chlorotoluene	12.89	91	169904	21.465	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	206762	21.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14896	21.439	ug/l	97
82) 4-Chlorotoluene	12.99	91	180022	21.676	ug/l	100
83) tert-Butylbenzene	13.21	119	176793	22.339	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207730	21.790	ug/l	100
85) sec-Butylbenzene	13.38	105	249475	22.093	ug/l	99
86) p-Isopropyltoluene	13.50	119	226238	22.082	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	104096	21.275	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103458	21.256	ug/l	98
89) n-Butylbenzene	13.82	91	223967	21.905	ug/l	99
90) Hexachloroethane	14.09	117	37227	20.548	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	92305	21.330	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7971	22.011	ug/l	92

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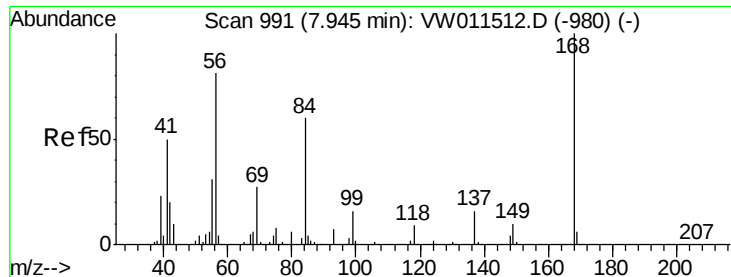
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63654	20.871	ug/l	99
94) Hexachlorobutadiene	15.24	225	41559	21.850	ug/l	97
95) Naphthalene	15.36	128	114599	20.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	57003	21.322	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion:168 Resp: 223891

Ion Ratio Lower Upper

168 100

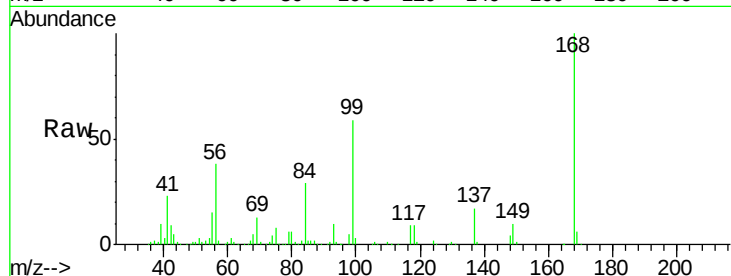
99 59.4 48.2 72.4

Manual Integrations

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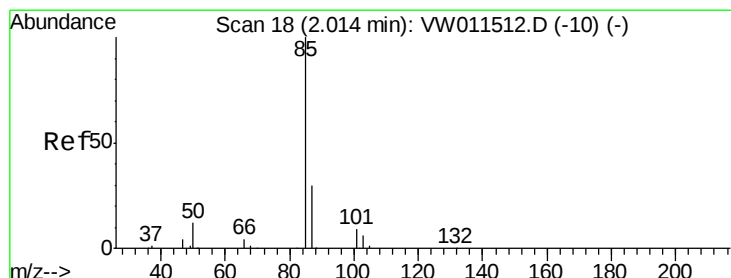
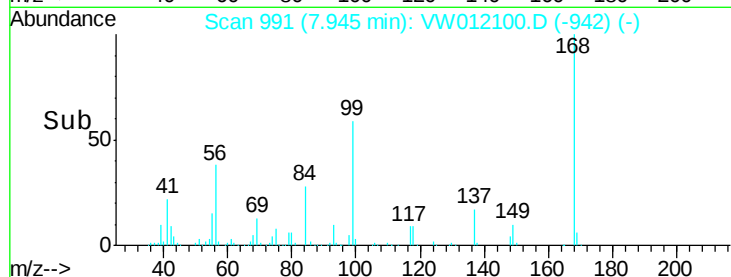
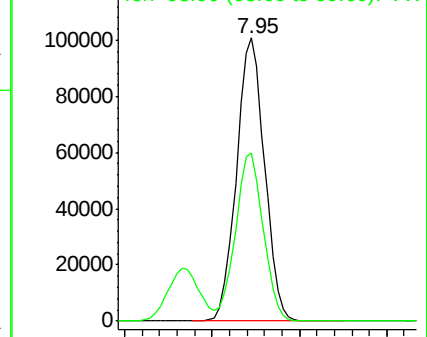
MMDadoda

8/23/2019 10:54:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.384 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012100.D

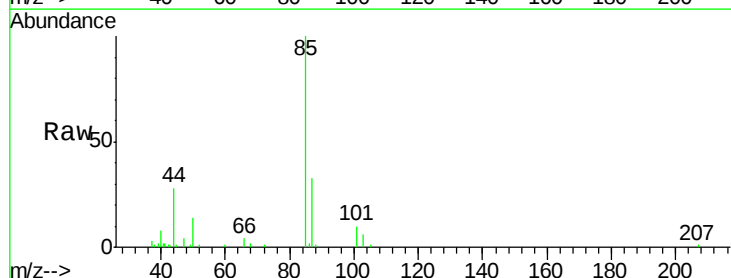
Acq: 22 Aug 2019 10:40

Tgt Ion: 85 Resp: 27930

Ion Ratio Lower Upper

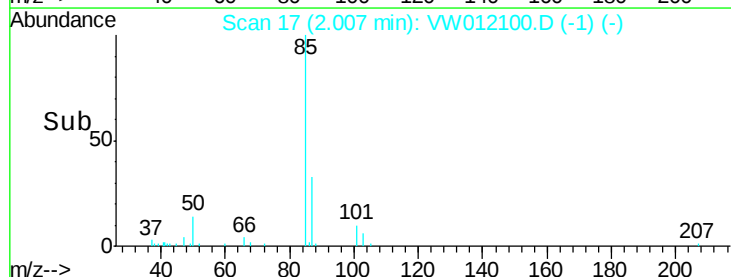
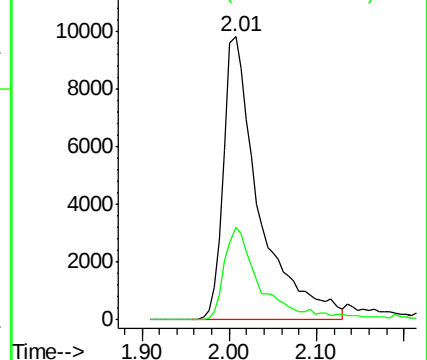
85 100

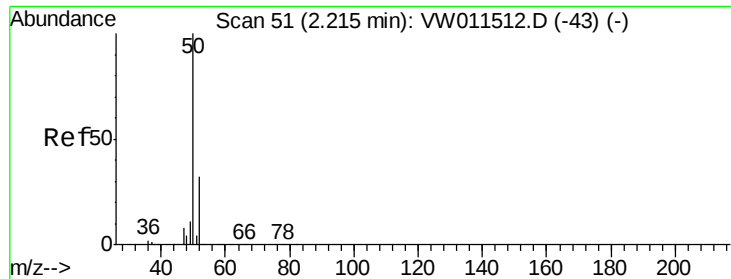
87 32.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.177 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 50 Resp: 45820

Ion Ratio Lower Upper

50 100

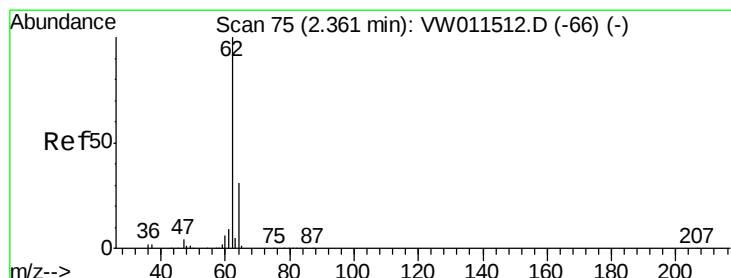
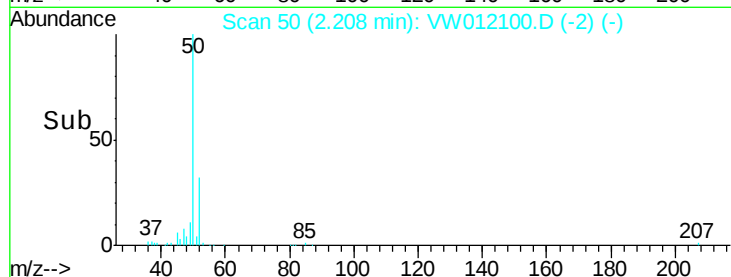
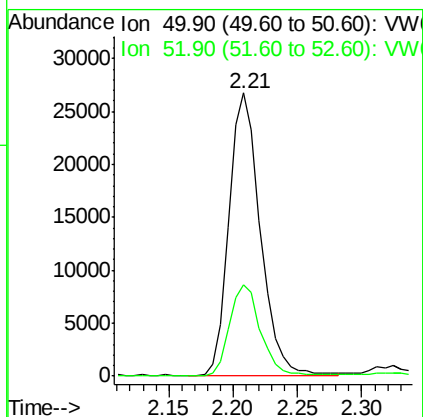
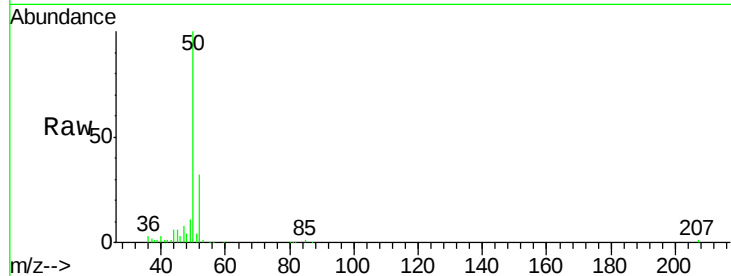
52 32.1 25.4 38.2

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#4

Vinyl Chloride

Concen: 21.081 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012100.D

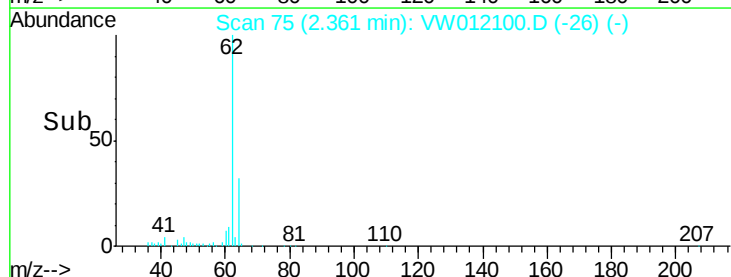
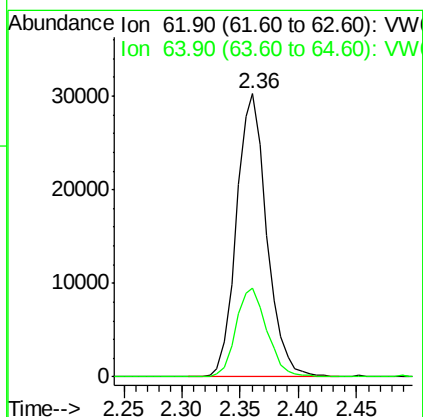
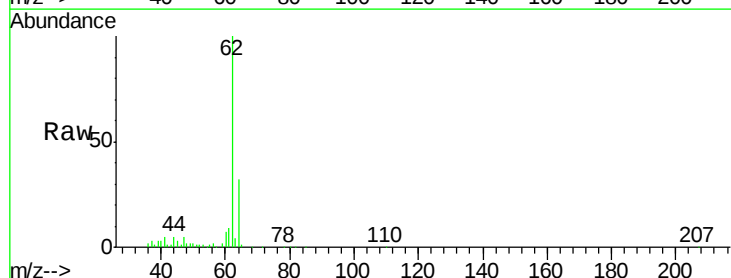
Acq: 22 Aug 2019 10:40

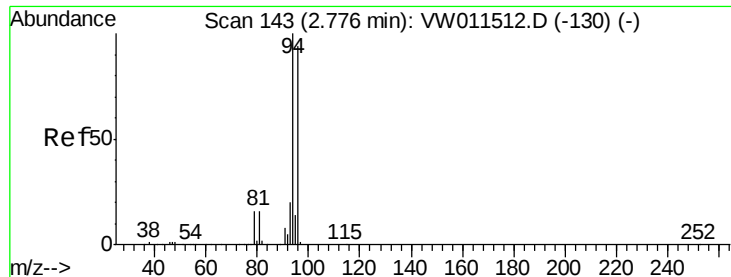
Tgt Ion: 62 Resp: 54915

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 17.605 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 94 Resp: 25384

Ion Ratio Lower Upper

94 100

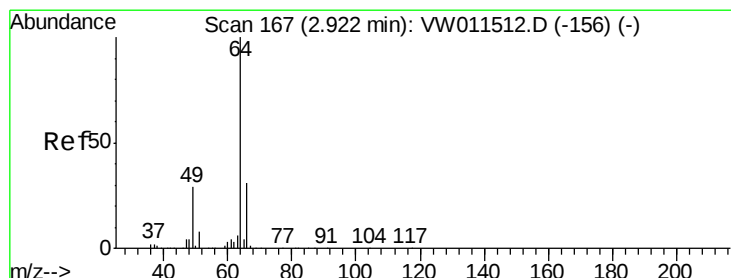
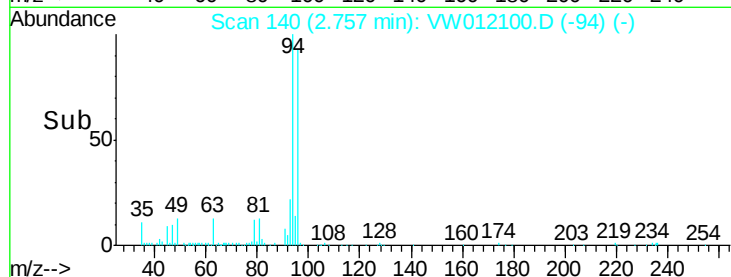
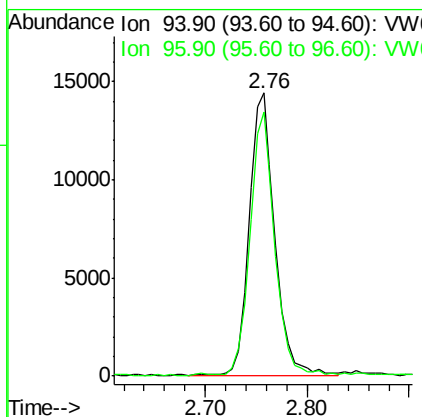
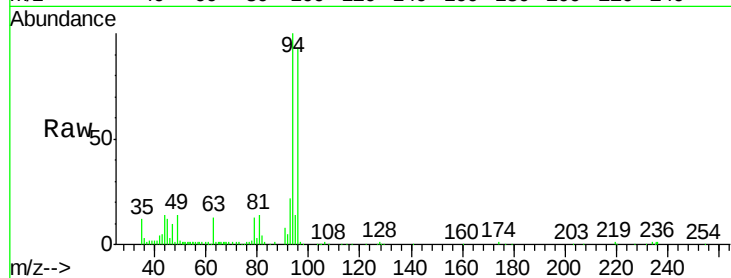
96 93.2 75.0 112.6

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#6

Chloroethane

Concen: 18.252 ug/l

RT: 2.88 min Scan# 161

Delta R.T. -0.04 min

Lab File: VW012100.D

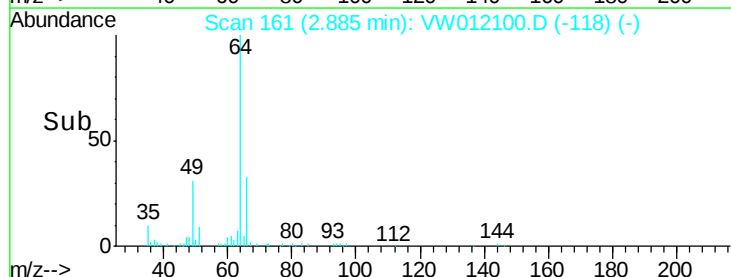
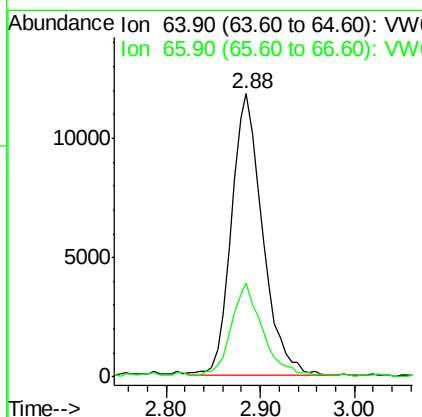
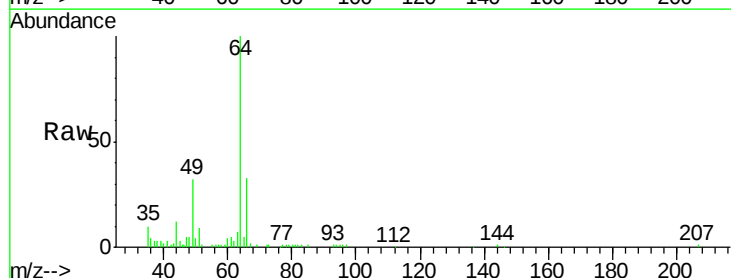
Acq: 22 Aug 2019 10:40

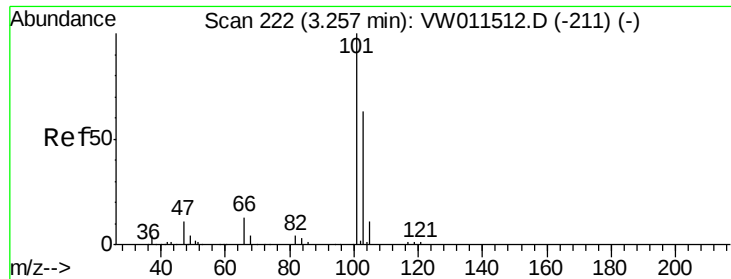
Tgt Ion: 64 Resp: 27159

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8





#7

Trichlorofluoromethane

Concen: 21.159 ug/l

RT: 3.23 min Scan# 218

Delta R.T. -0.02 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 24633

Ion Ratio Lower Upper

101 100

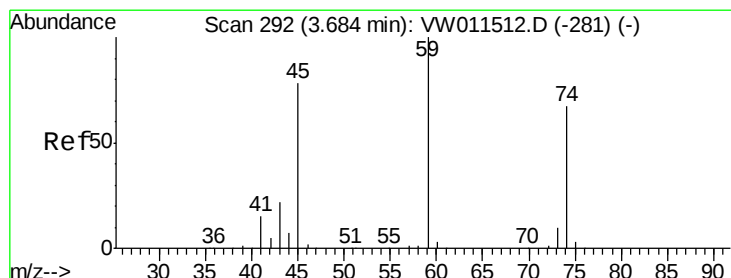
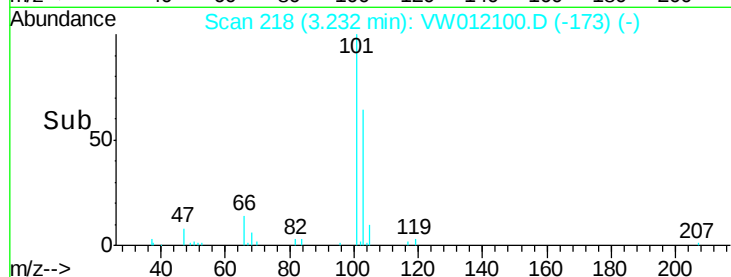
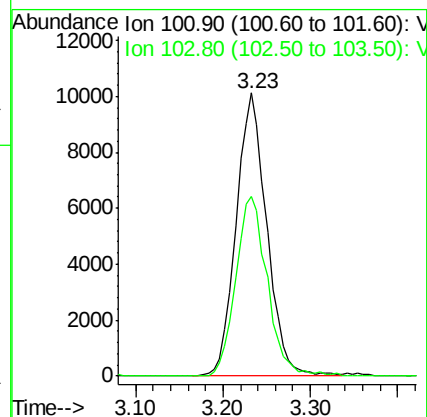
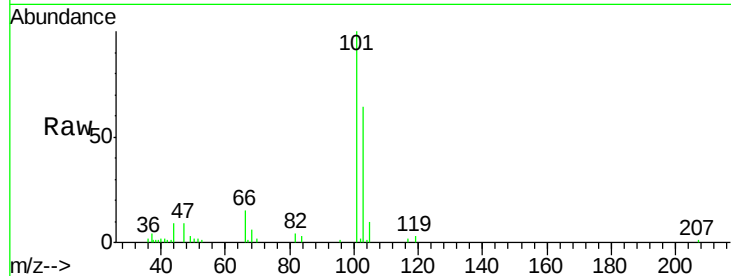
103 63.7 50.2 75.4

Manual Integrations

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#8

Diethyl Ether

Concen: 21.397 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012100.D

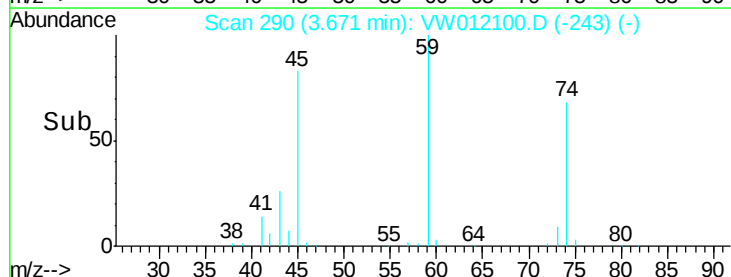
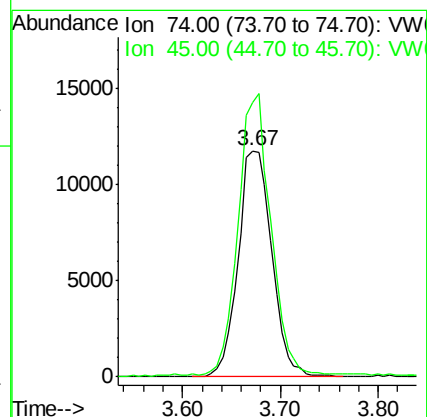
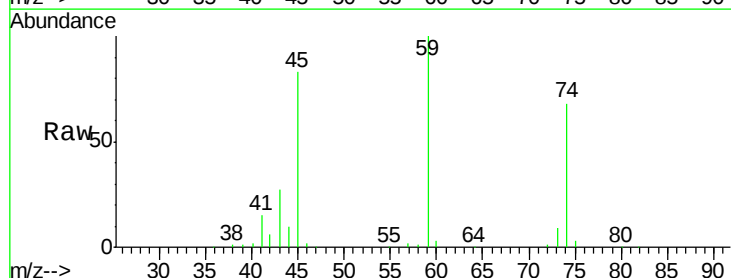
Acq: 22 Aug 2019 10:40

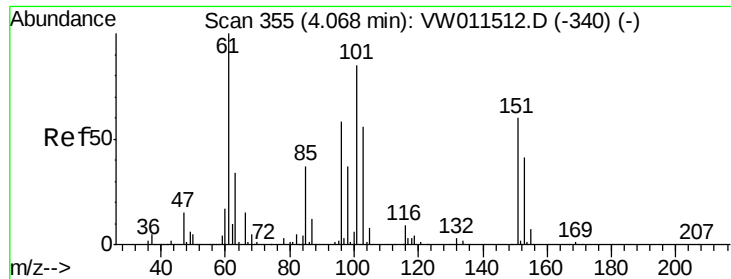
Tgt Ion: 74 Resp: 28243

Ion Ratio Lower Upper

74 100

45 120.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.505 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

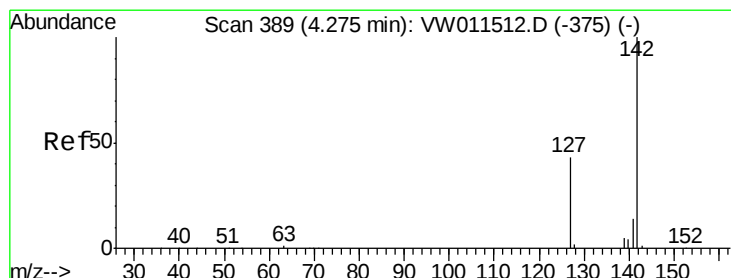
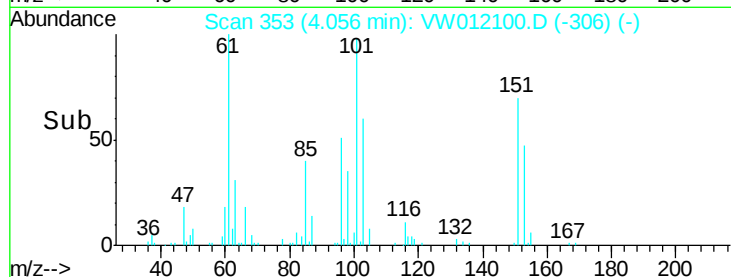
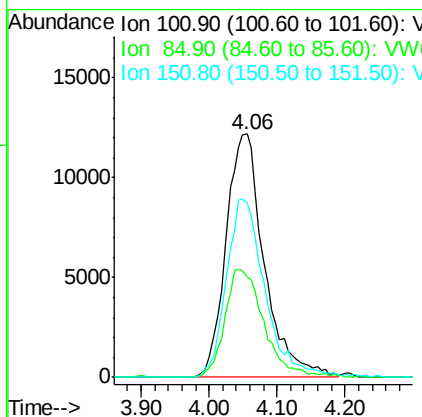
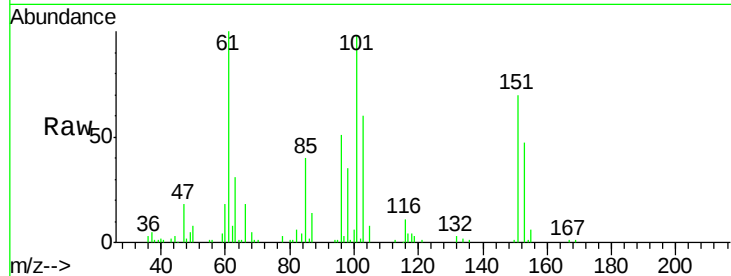
ClientSampleId :

VW0822SBS01

Tot Ion:	101	Resp:	47492
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	54.8
151	74.5	60.2	90.2

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#10

Methyl Iodide

Concen: 19.199 ug/l

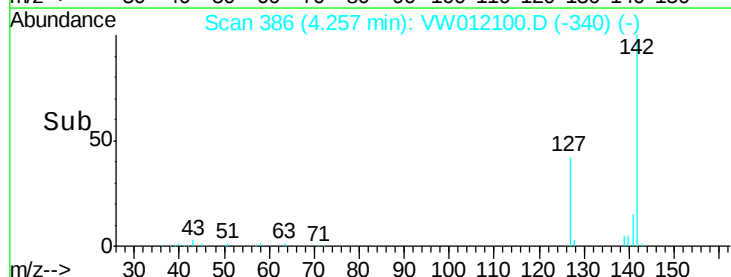
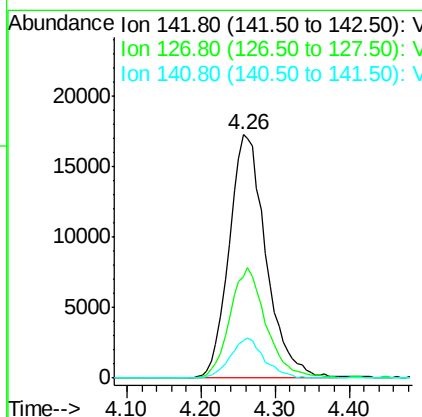
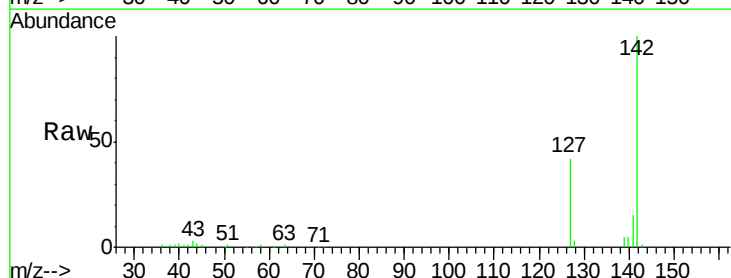
RT: 4.26 min Scan# 386

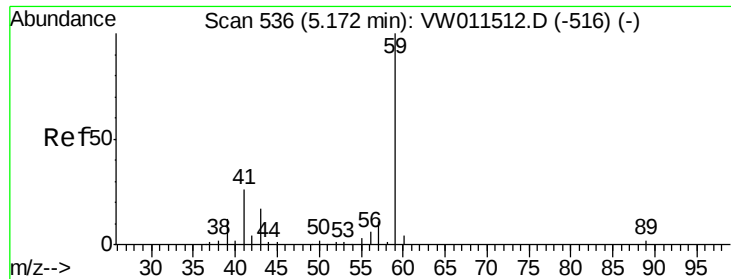
Delta R.T. -0.02 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	142	Resp:	59916
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.0	52.6
141	15.0	11.9	17.9





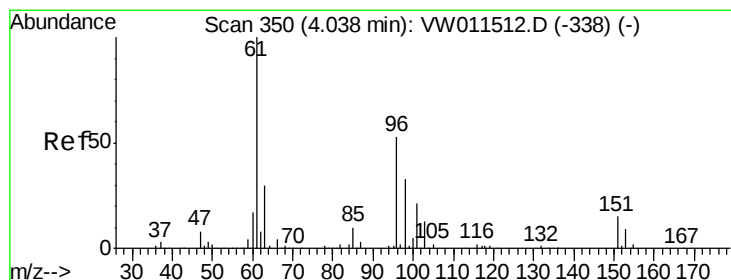
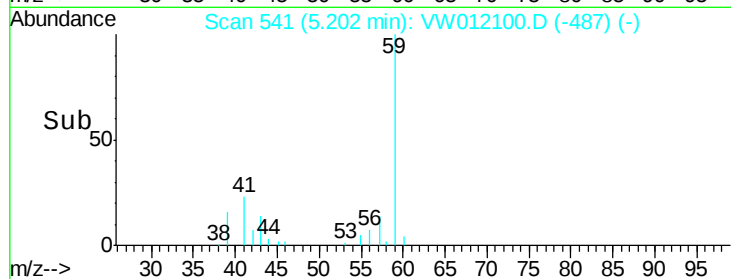
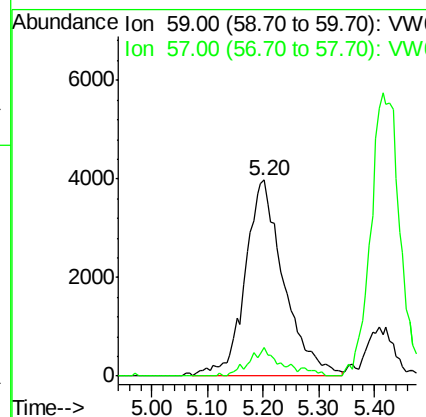
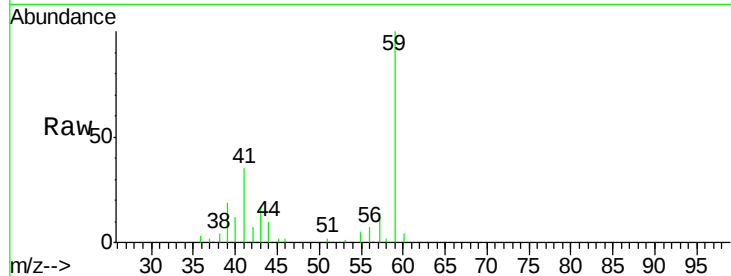
#11
Tert butyl alcohol
Concen: 90.119 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion: 59 Resp: 19262
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

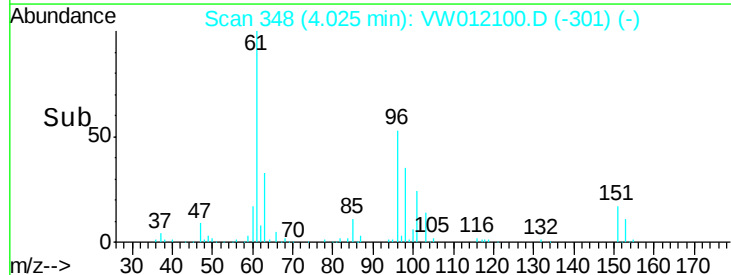
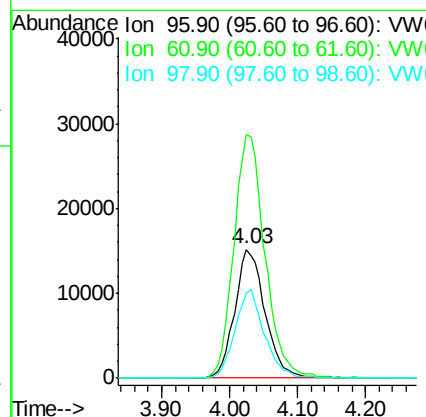
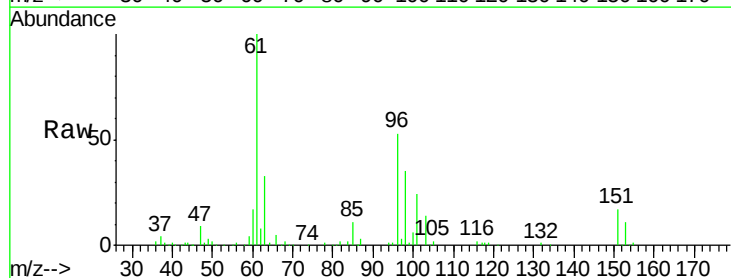
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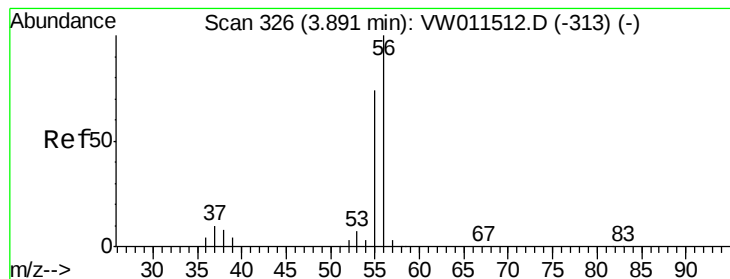
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.176 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion: 96 Resp: 47046
Ion Ratio Lower Upper
96 100
61 189.6 149.9 224.9
98 66.1 49.1 73.7





#13

Acrolein

Concen: 66.992 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 56 Resp: 12358

Ion Ratio Lower Upper

56 100

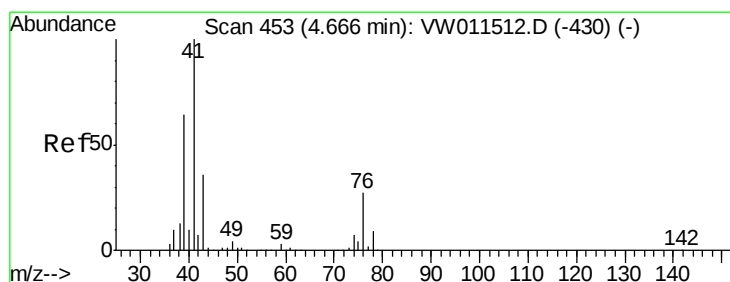
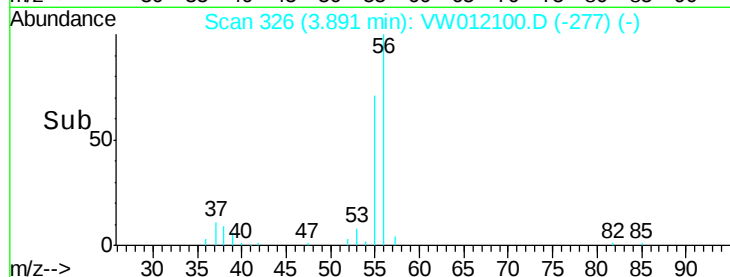
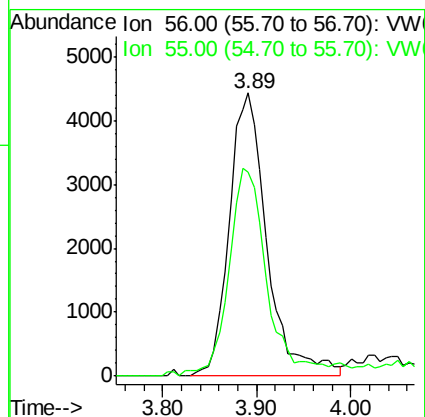
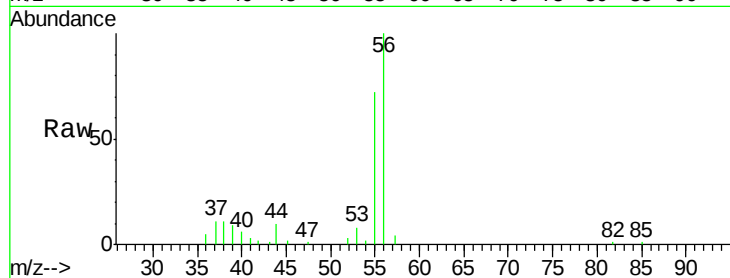
55 73.8 56.0 84.0

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#14

Allyl chloride

Concen: 20.631 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

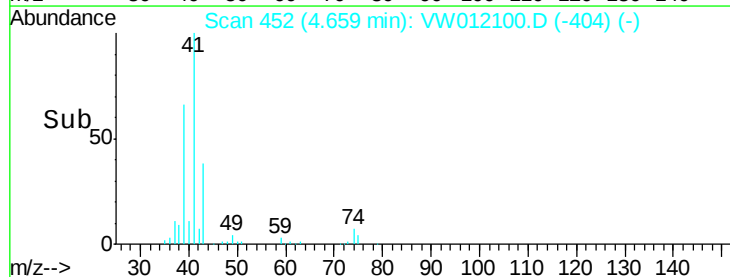
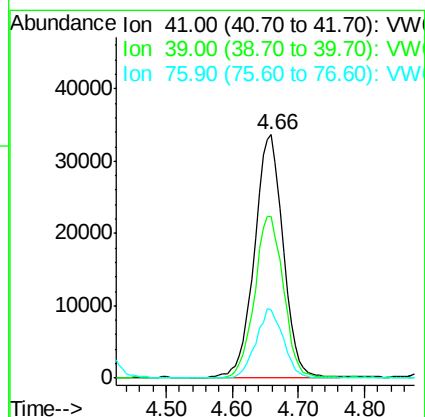
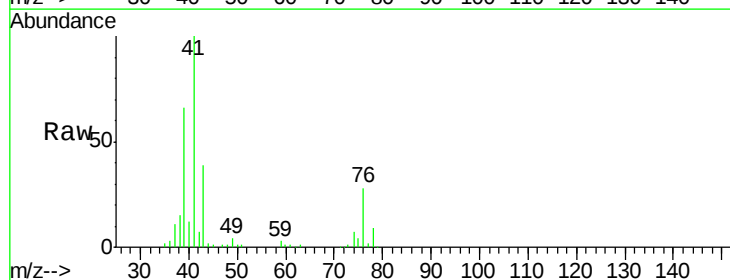
Tgt Ion: 41 Resp: 102317

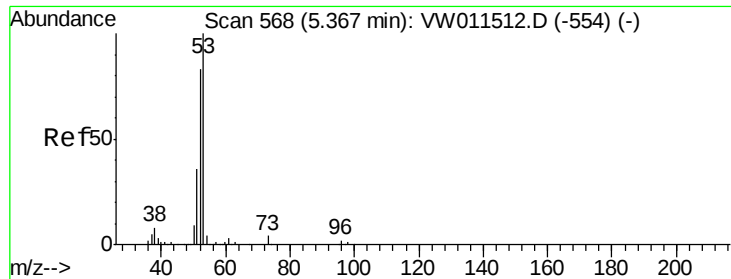
Ion Ratio Lower Upper

41 100

39 66.7 52.6 78.8

76 27.1 22.0 33.0





#15

Acrylonitrile

Concen: 114.401 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

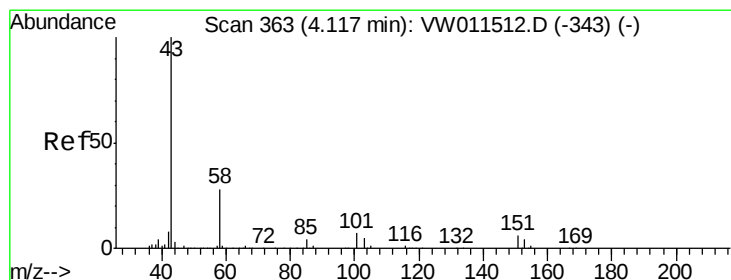
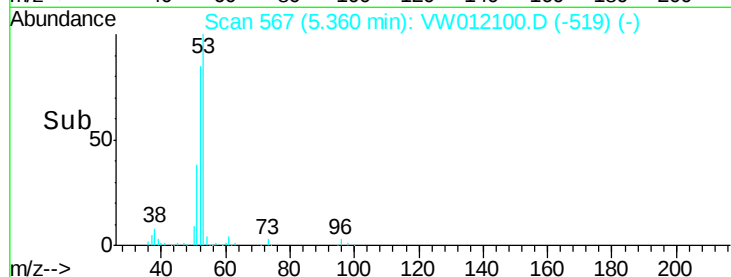
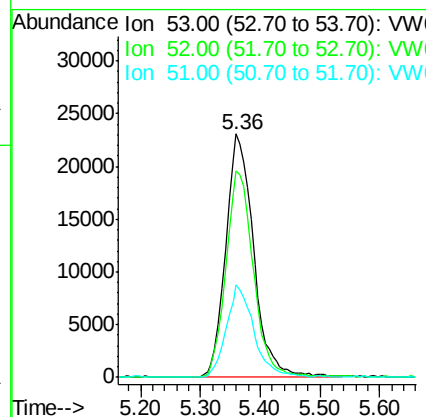
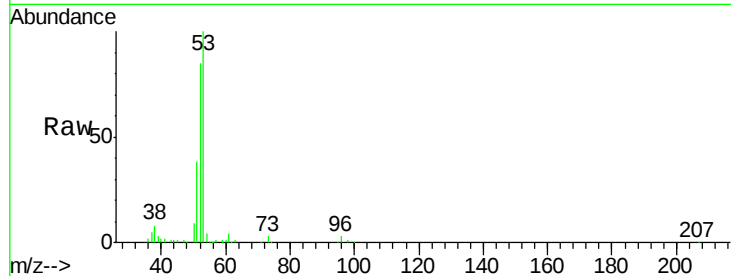
ClientSampleId :

VW0822SBS01

Tot Ion:	53	Resp:	75379
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.2	100.8
51	37.3	30.0	45.0

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#16

Acetone

Concen: 87.266 ug/l

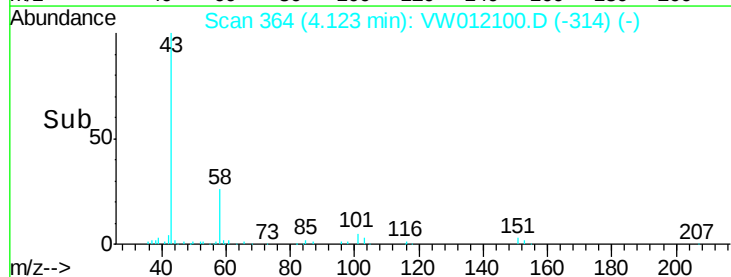
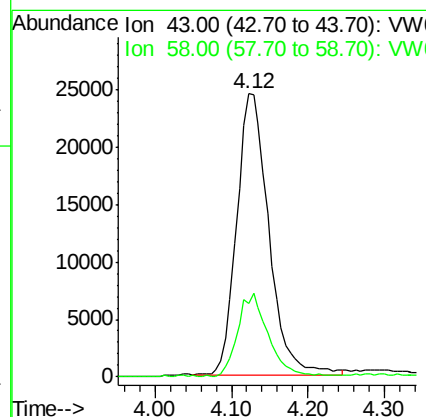
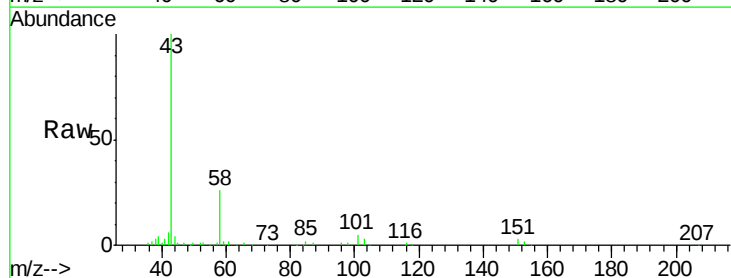
RT: 4.12 min Scan# 364

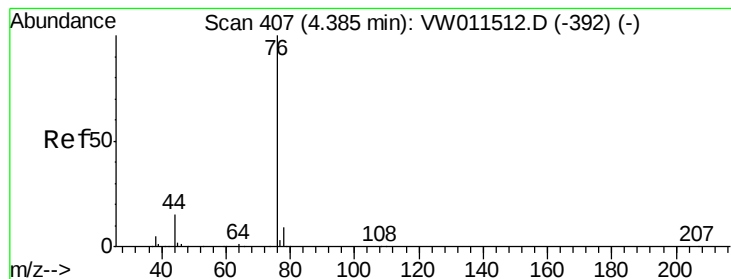
Delta R.T. 0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	43	Resp:	71366
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.3	33.5





#17

Carbon Disulfide

Concen: 17.312 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 76 Resp: 126340

Ion Ratio Lower Upper

76 100

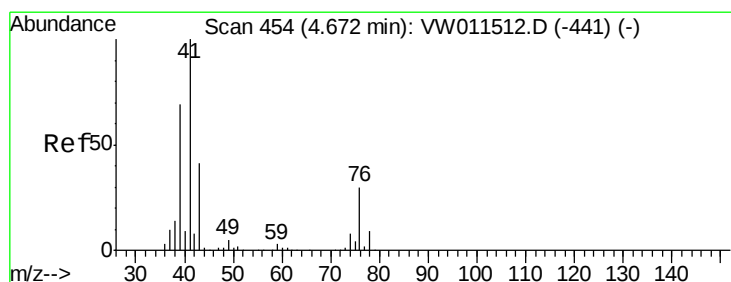
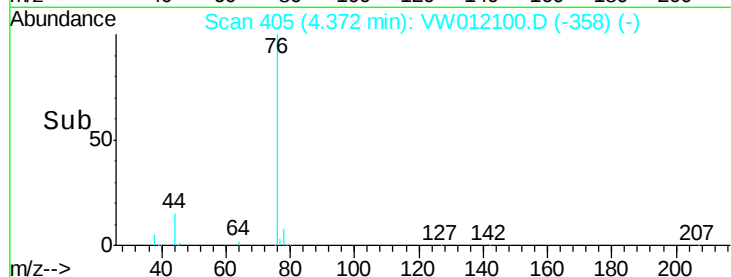
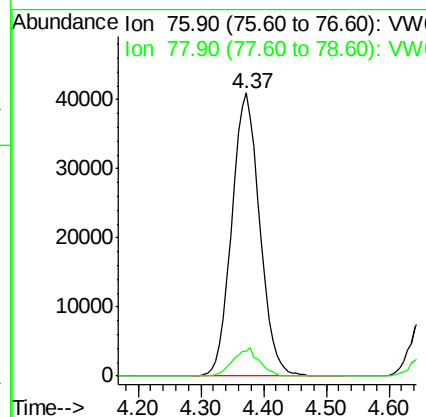
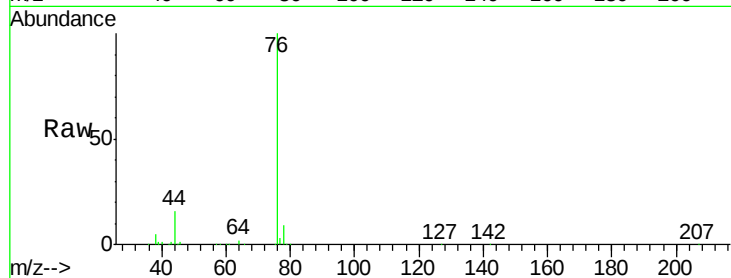
78 8.7 7.1 10.7

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#18

Methyl Acetate

Concen: 23.305 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012100.D

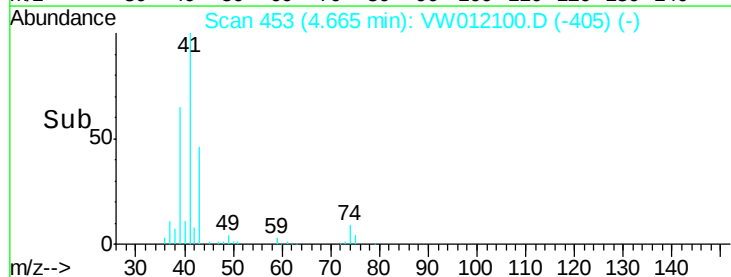
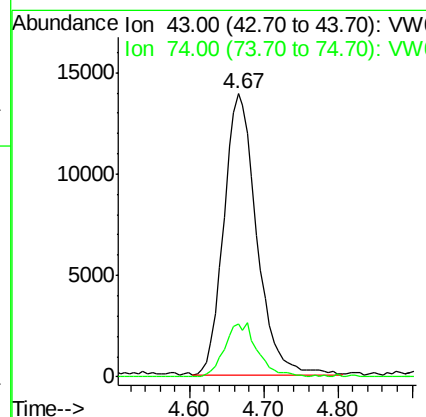
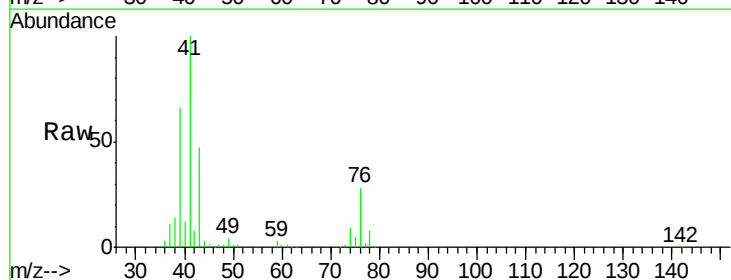
Acq: 22 Aug 2019 10:40

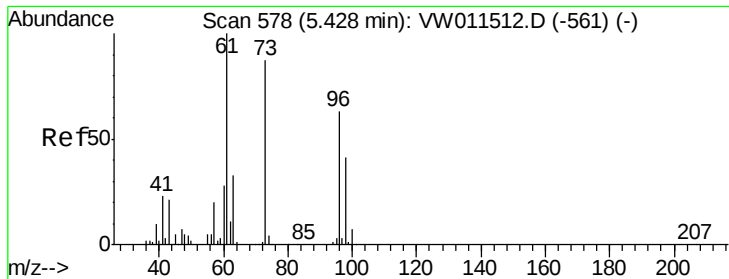
Tgt Ion: 43 Resp: 42815

Ion Ratio Lower Upper

43 100

74 18.9 15.9 23.9





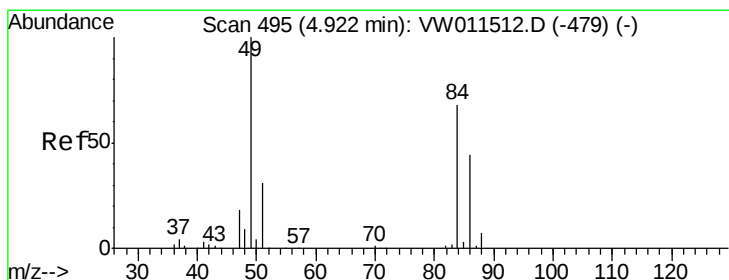
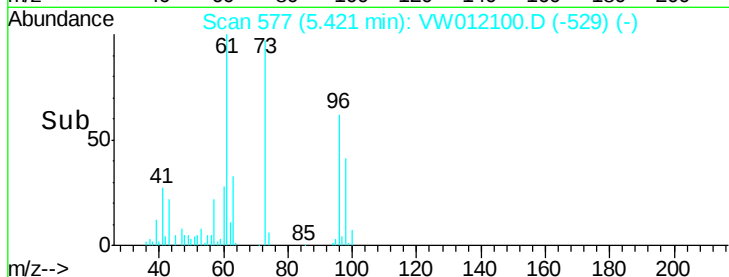
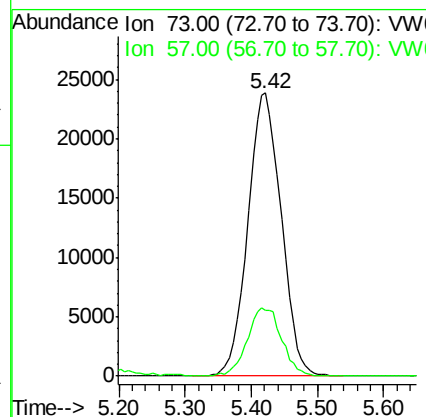
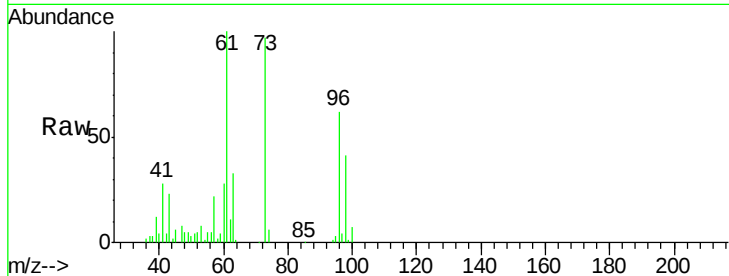
#19
Methvl tert-butvl Ether
Concen: 22.587 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion: 73 Resp: 83576
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

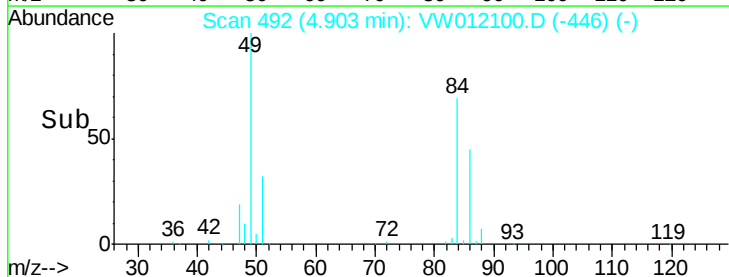
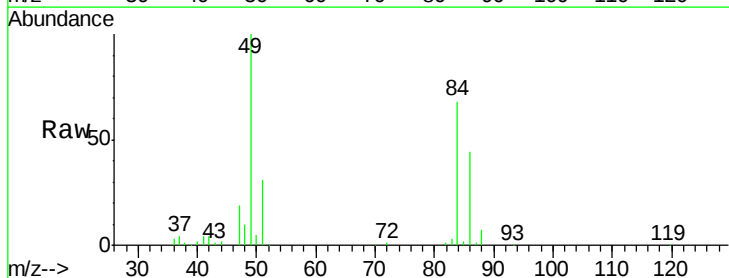
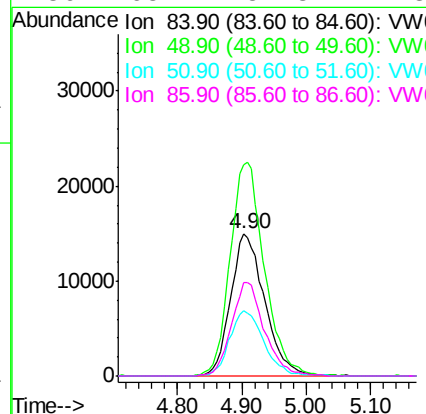
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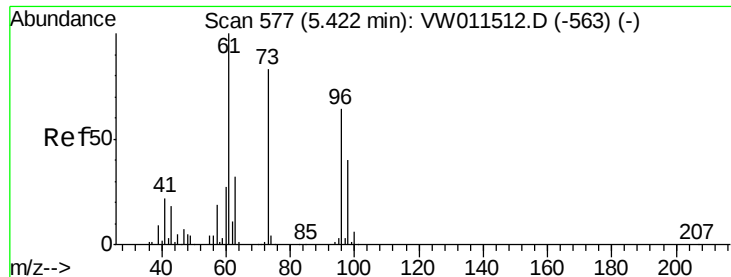
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#20
Methylene Chloride
Concen: 19.632 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion: 84 Resp: 55370
Ion Ratio Lower Upper
84 100
49 147.6 117.8 176.6
51 46.1 37.0 55.4
86 65.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.226 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

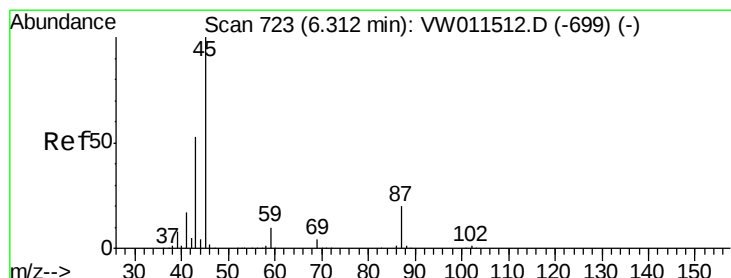
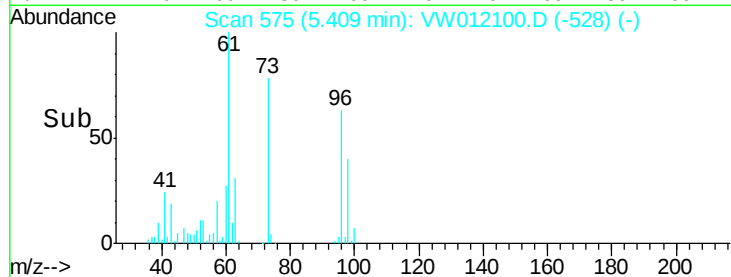
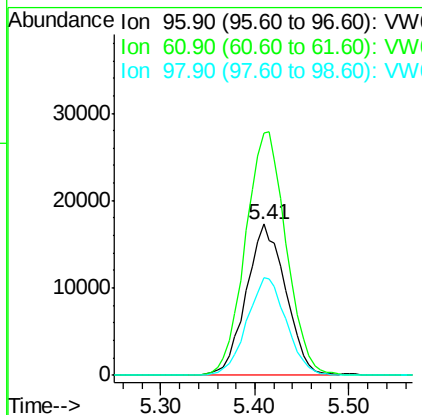
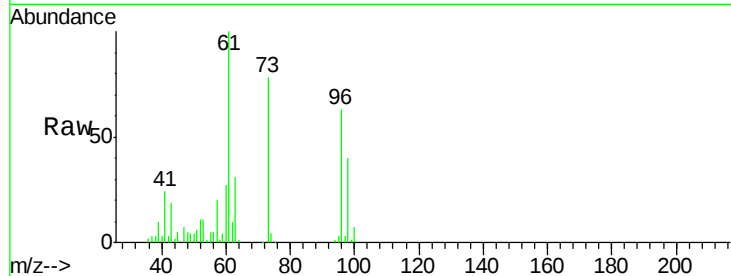
ClientSampleId :

VW0822SBS01

Tot Ion:	96	Resp:	50846
Ion	Ratio	Lower	Upper
96	100		
61	159.8	125.7	188.5
98	64.1	50.3	75.5

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#22

Diisopropyl ether

Concen: 21.757 ug/l

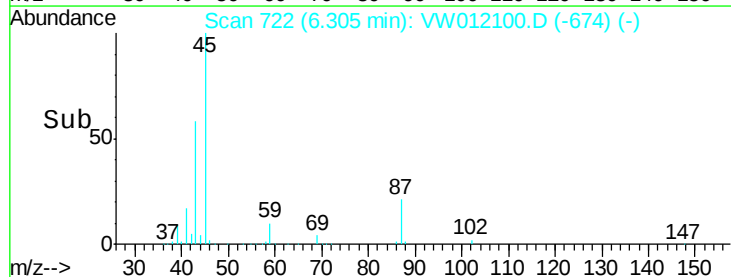
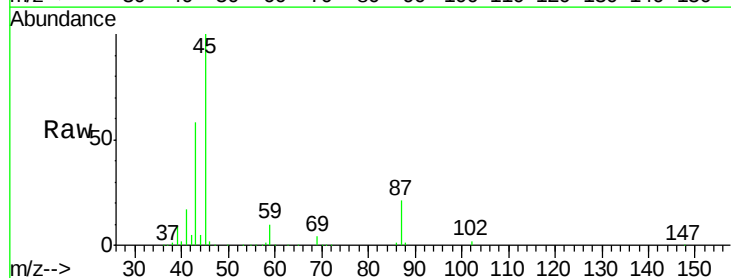
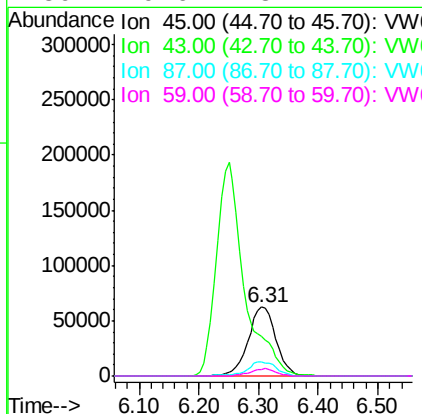
RT: 6.31 min Scan# 722

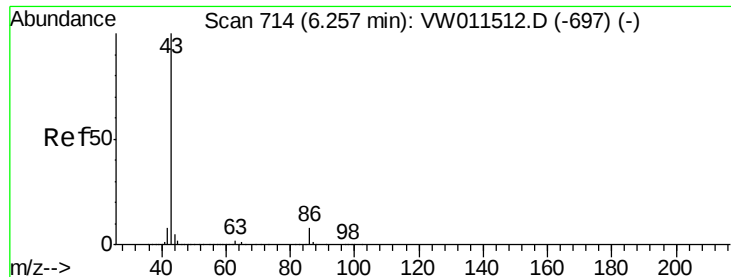
Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	45	Resp:	203433
Ion	Ratio	Lower	Upper
45	100		
43	58.0	42.6	63.8
87	21.1	16.4	24.6
59	9.6	8.2	12.2





#23

Vinyl Acetate

Concen: 107.417 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 43 Resp: 631103

Ion Ratio Lower Upper

43 100

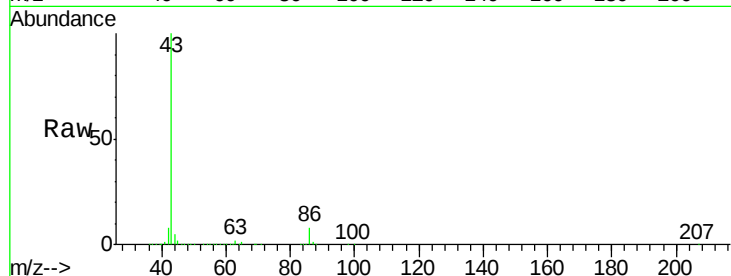
86 8.2 6.5 9.7

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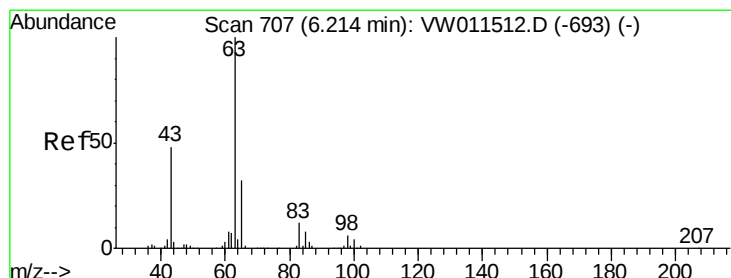
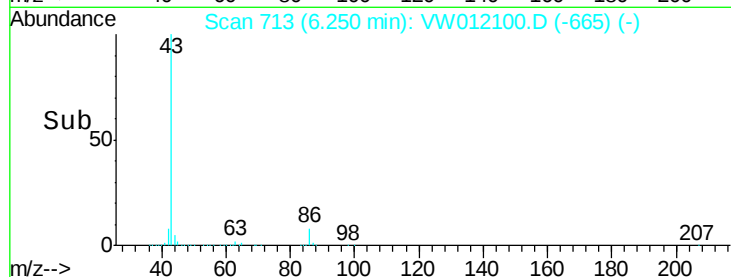
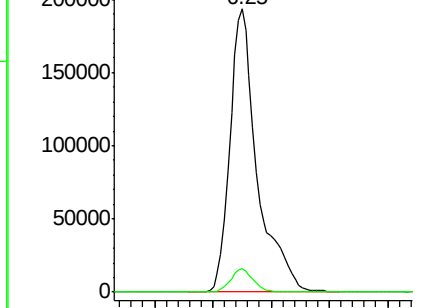
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.348 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

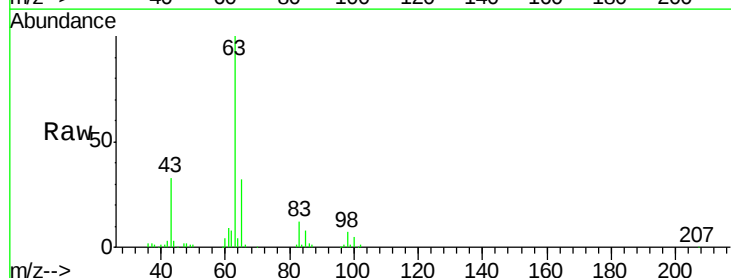
Tgt Ion: 63 Resp: 106903

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

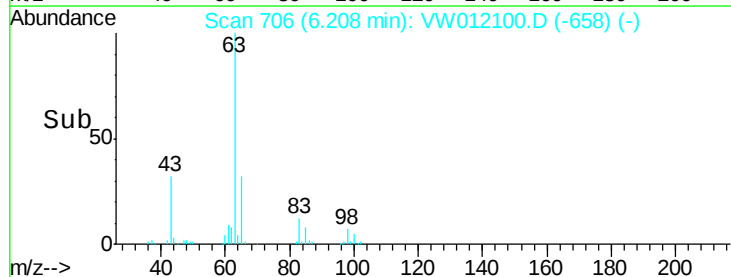
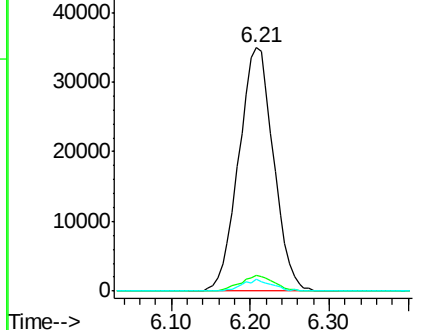
100 4.7 2.1 6.3

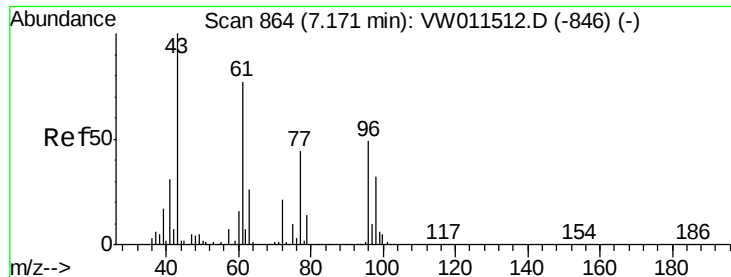


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.462 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 43 Resp: 105365

Ion Ratio Lower Upper

43 100

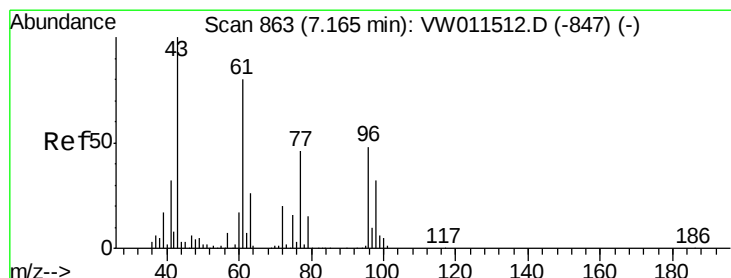
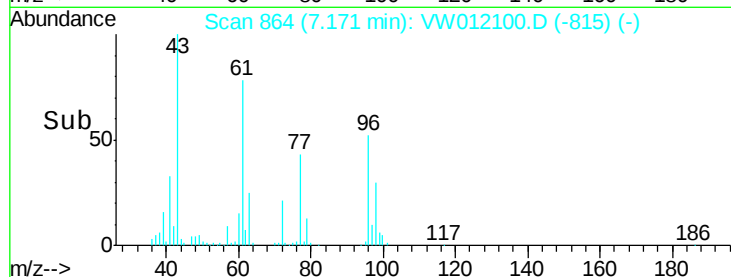
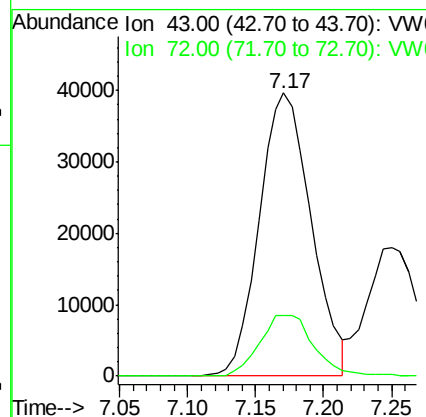
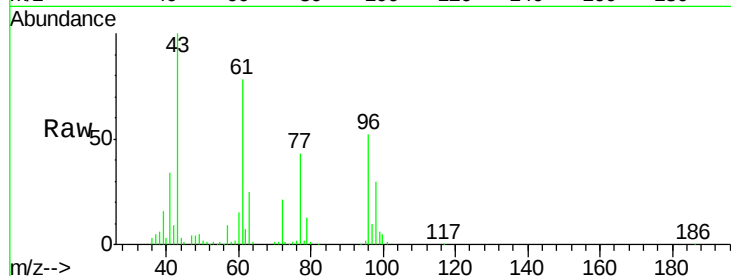
72 21.3 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 18.663 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012100.D

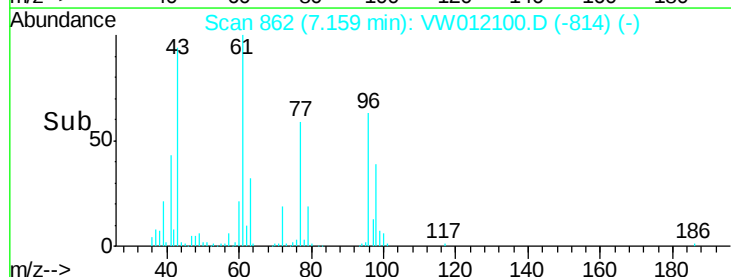
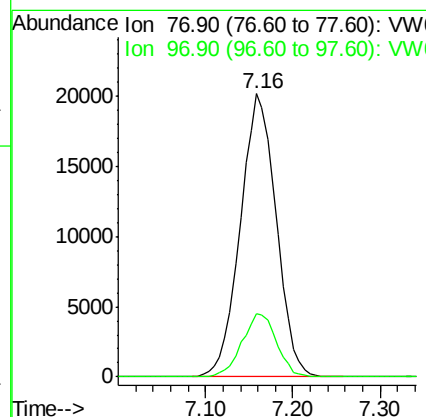
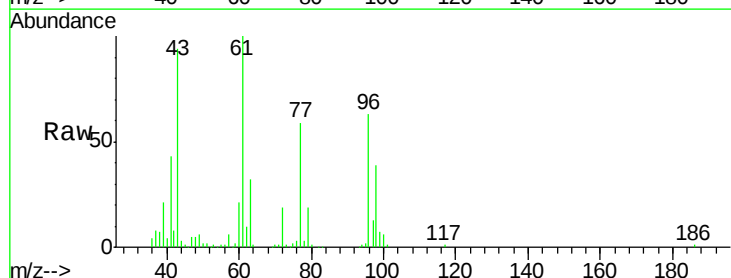
Acq: 22 Aug 2019 10:40

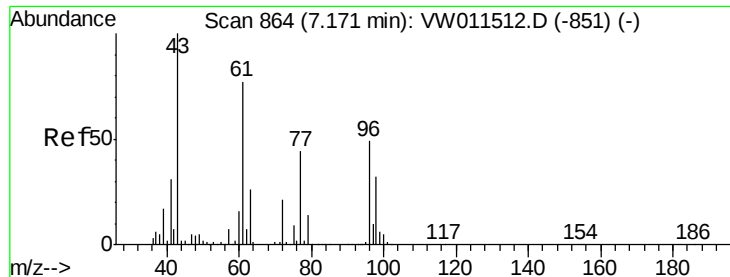
Tgt Ion: 77 Resp: 57476

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.4





#27

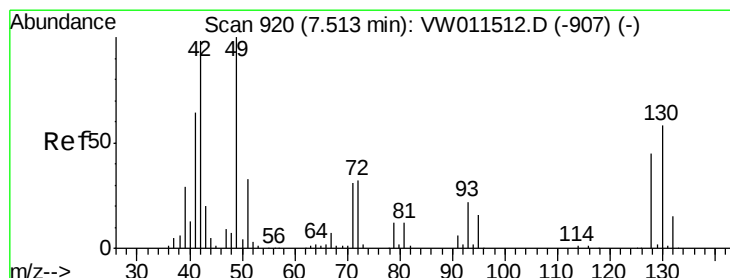
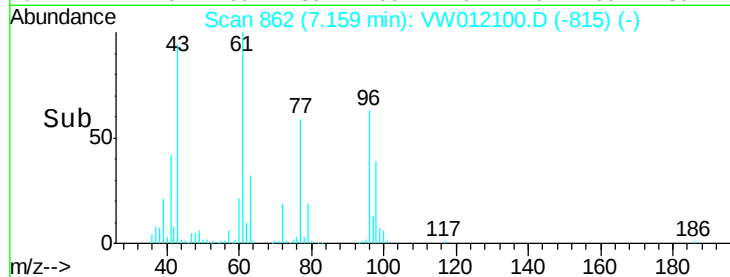
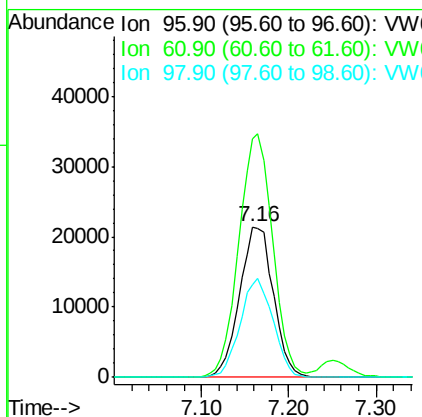
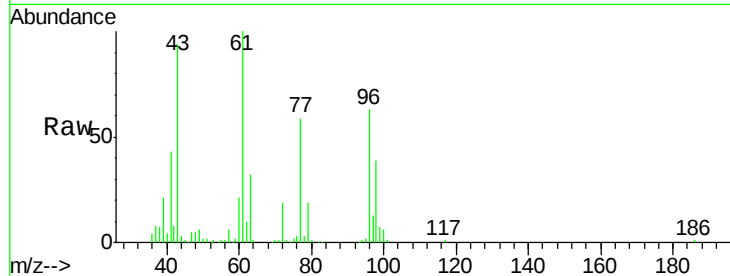
cis-1,2-Dichloroethene
Concen: 20.805 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.7	0.0	328.4	
98	63.9	0.0	128.8	

Manual Integrations
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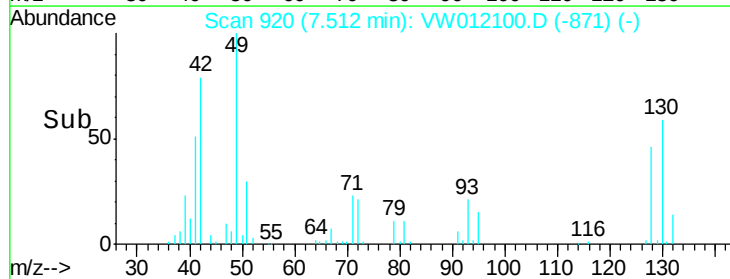
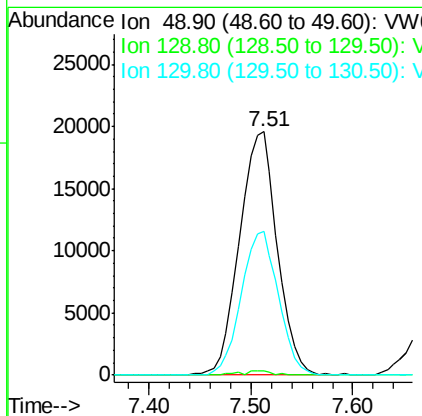
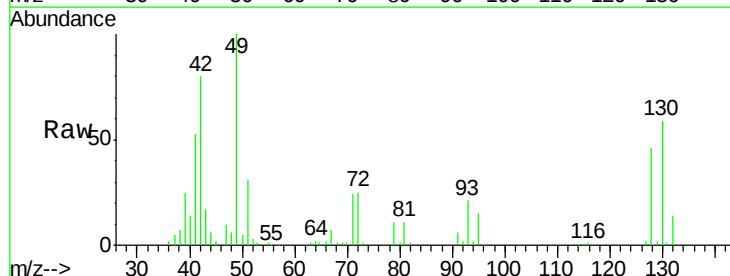
MMDadoda
8/23/2019 10:54:52 AM

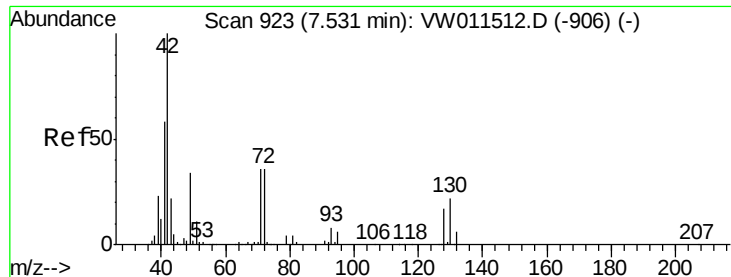


#28

Bromochloromethane
Concen: 22.626 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	1.0#	
130	58.0	46.3	69.5	





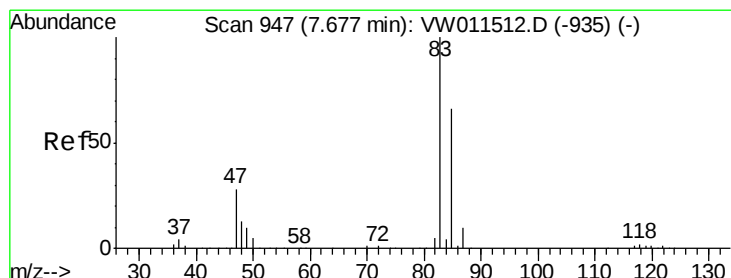
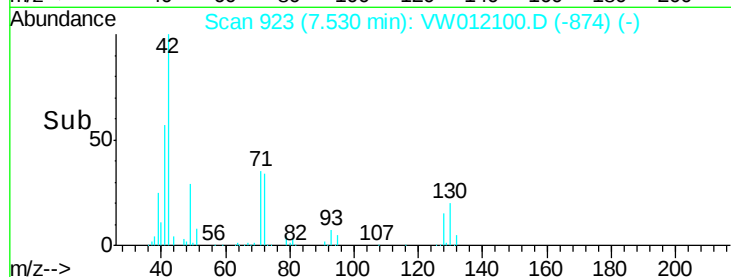
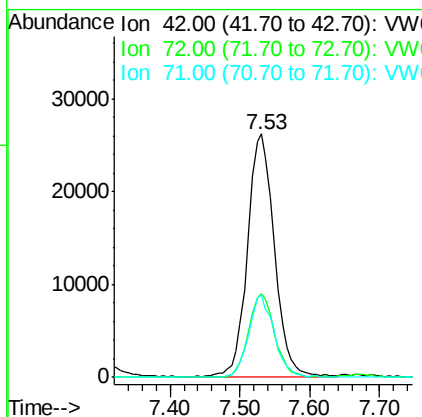
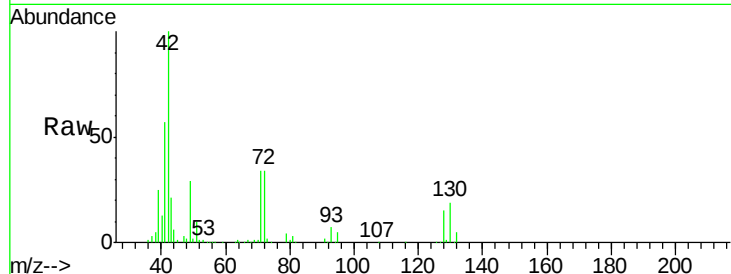
#29
Tetrahydrofuran
Concen: 114.237 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.1	40.7
71	31.8	26.2	39.4

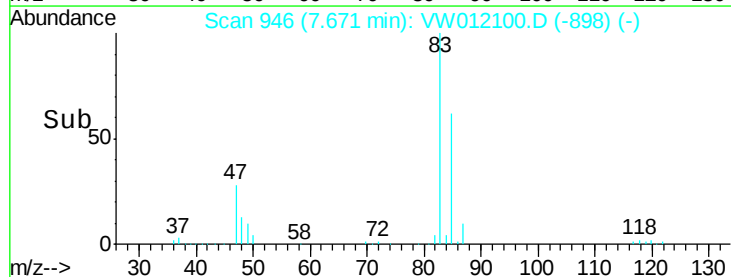
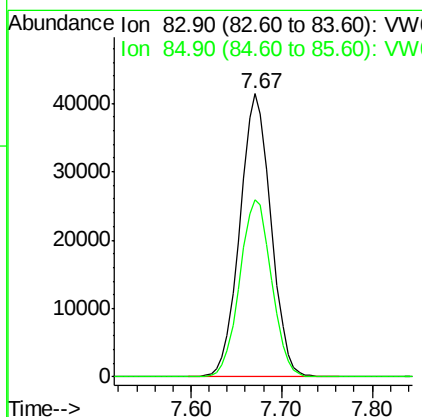
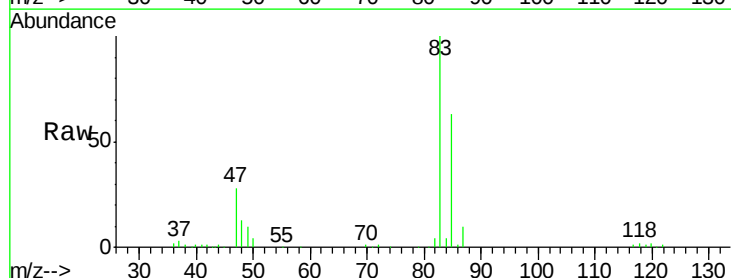
Manual Integrations
APPROVED

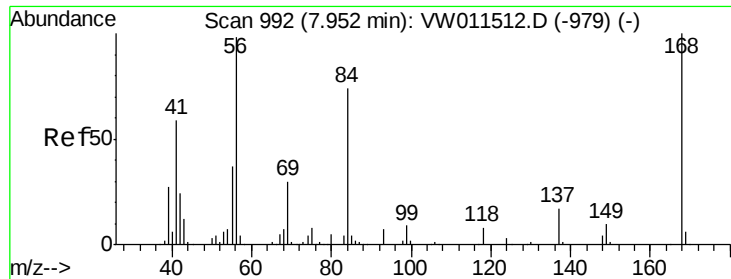
MMDadoda
8/23/2019 10:54:52 AM



#30
Chloroform
Concen: 21.263 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.5	78.7





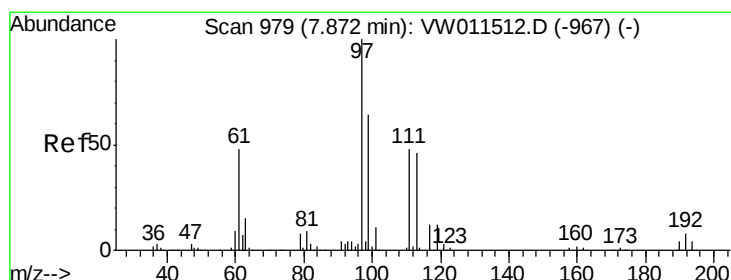
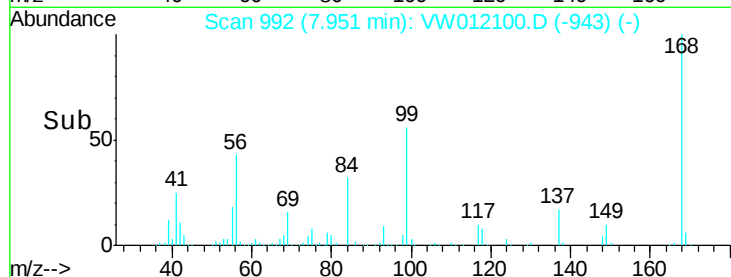
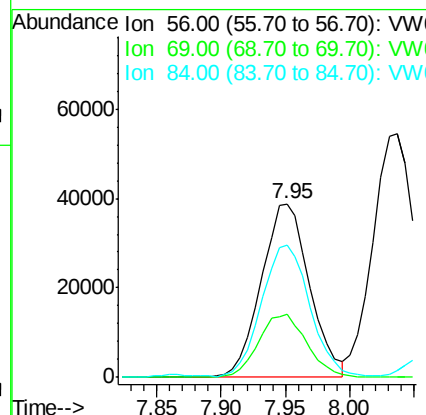
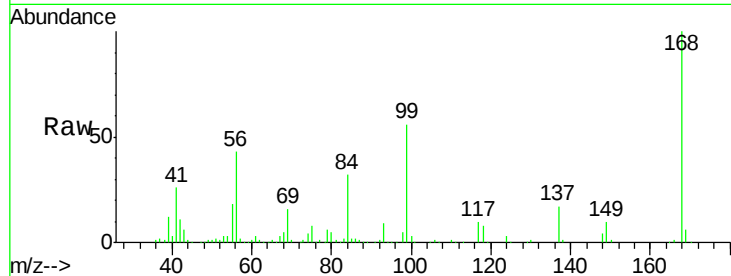
#31
Cyclohexane
Concen: 20.980 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	24.3	36.5#
84	74.6	60.4	90.6

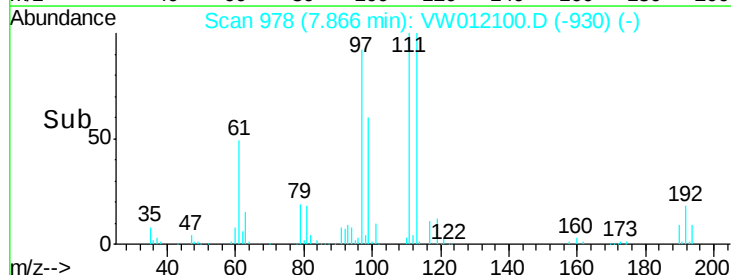
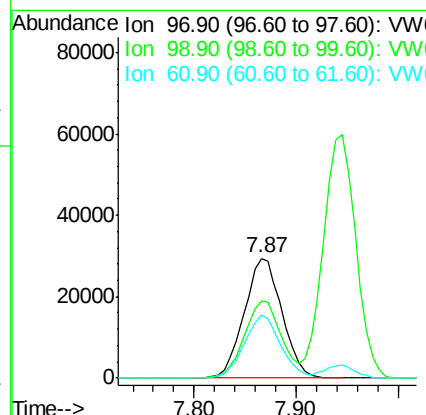
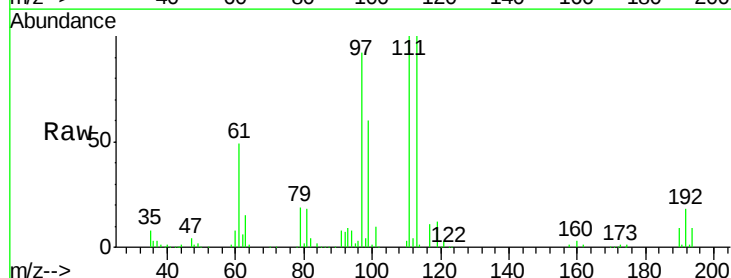
Manual Integrations
APPROVED

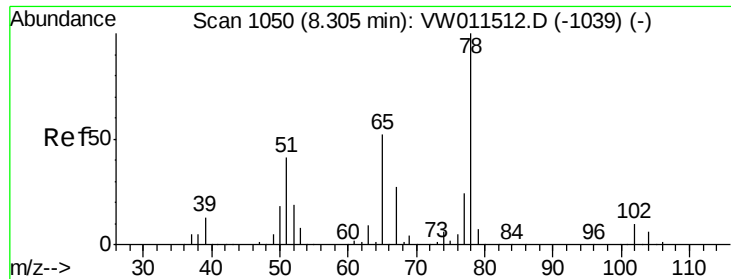
MMDadoda
8/23/2019 10:54:52 AM



#32
1,1,1-Trichloroethane
Concen: 21.440 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	50.5	39.8	59.6





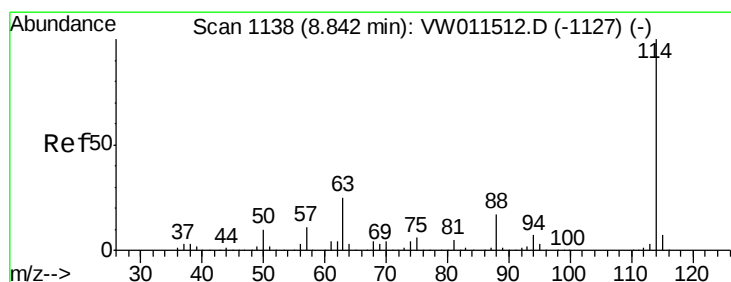
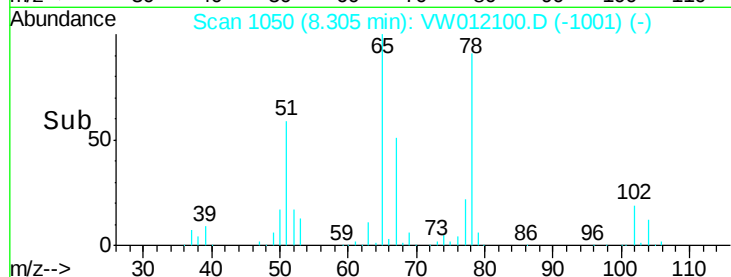
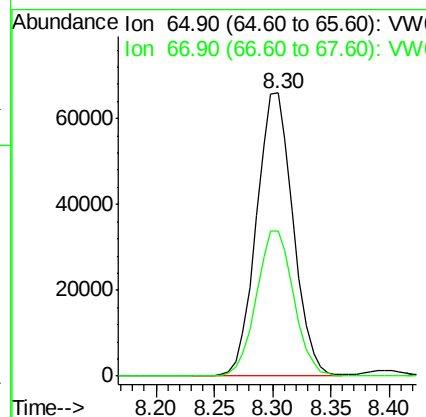
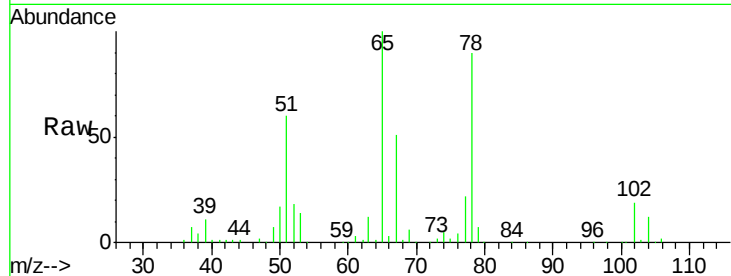
#33
 1,2-Dichloroethane-d4
 Concen: 56.389 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144970		
67	52.3	0.0	105.2	

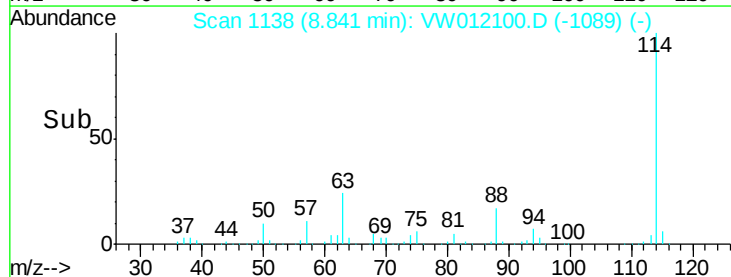
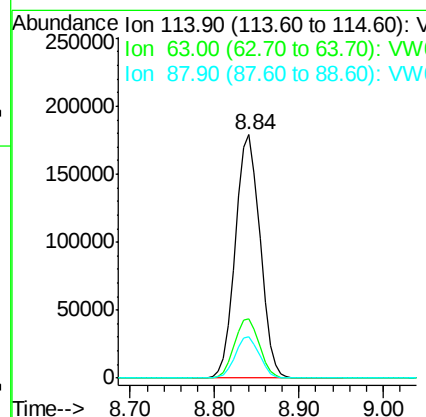
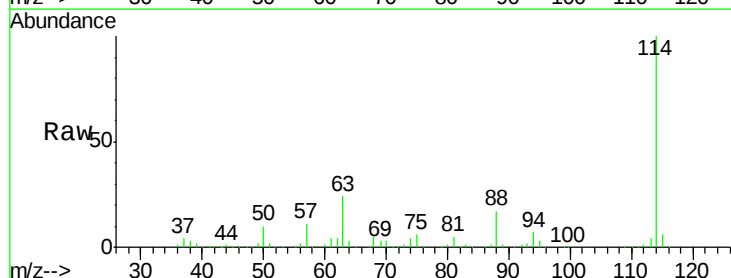
Manual Integrations
 APPROVED

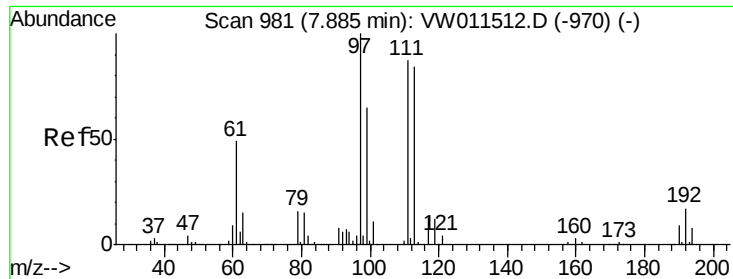
MMDadoda
 8/23/2019 10:54:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	355486		
63	24.5	0.0	49.2	
88	16.8	0.0	33.8	





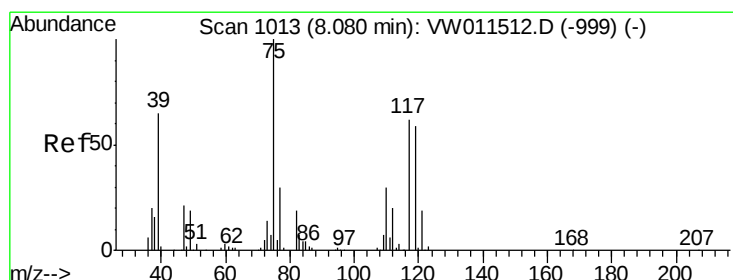
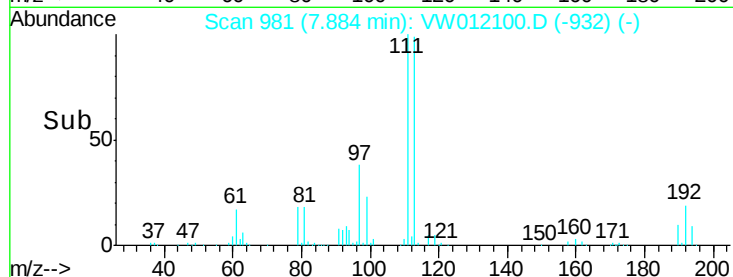
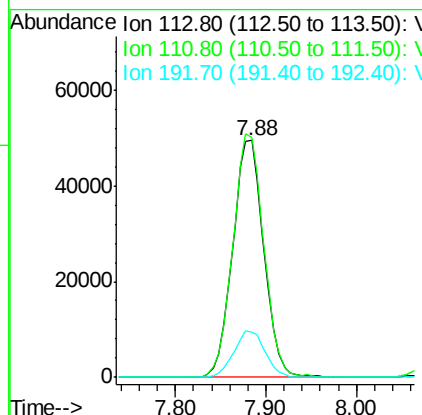
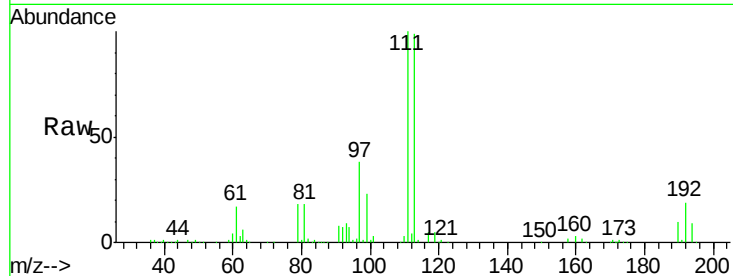
#35
 Dibromofluoromethane
 Concen: 58.973 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117612		
111	102.3	82.7	124.1	
192	19.8	16.1	24.1	

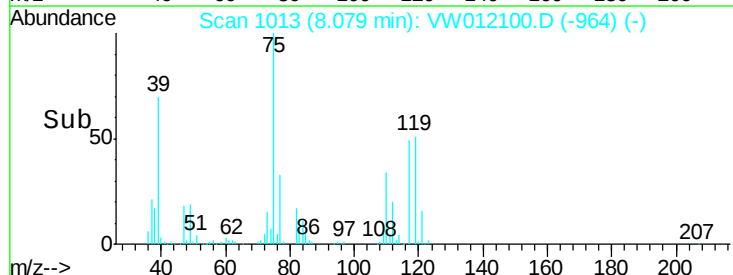
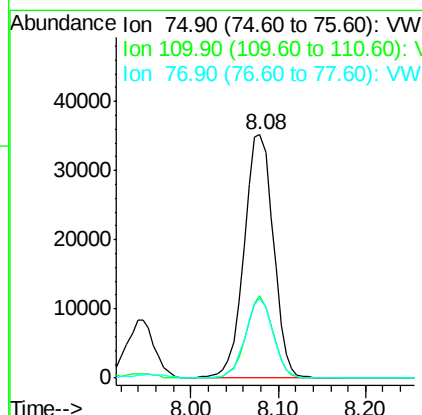
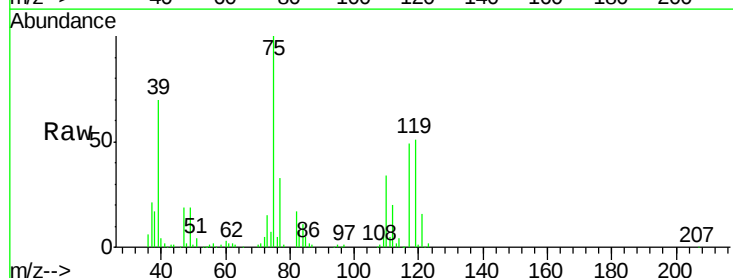
Manual Integrations
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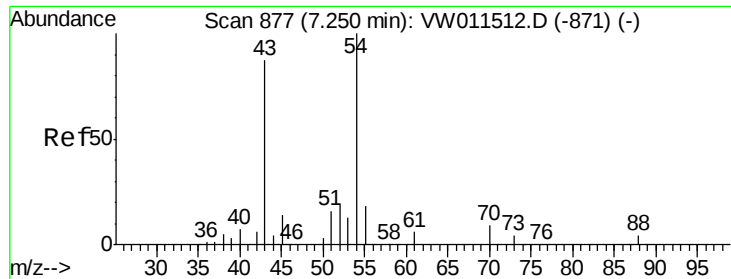
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 8/23/2019 10:54:52 AM



#36
 1,1-Dichloropropene
 Concen: 22.173 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81959		
110	31.1	15.6	46.8	
77	31.0	24.3	36.5	





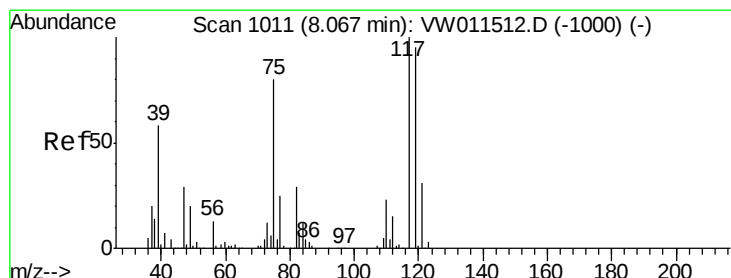
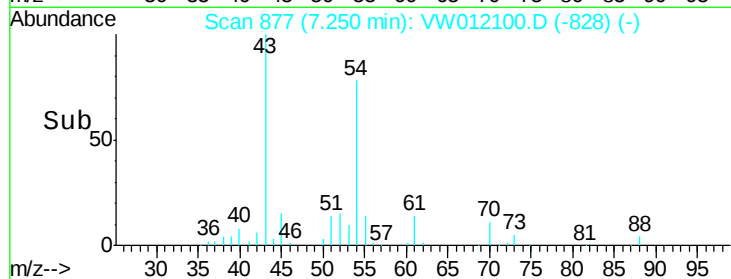
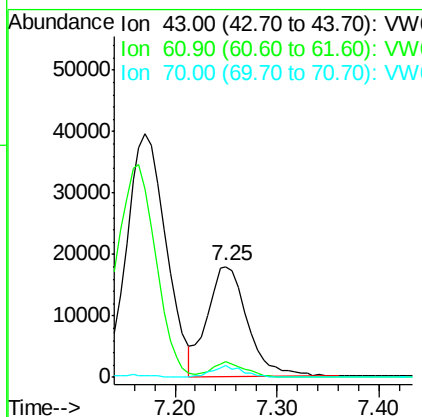
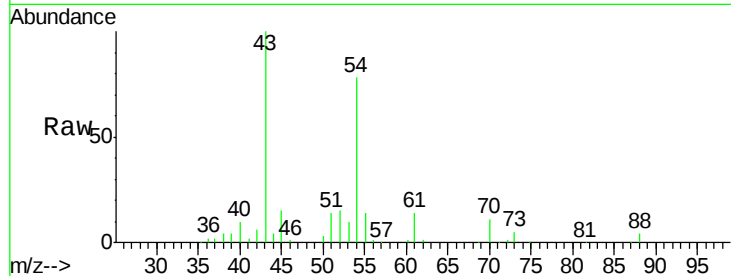
#37
Ethyl Acetate
Concen: 23.021 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	8.8	13.2
70	8.5	7.1	10.7

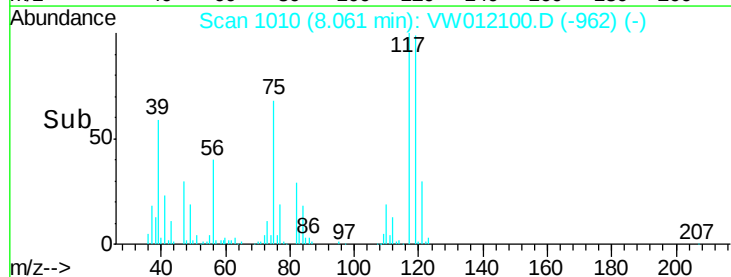
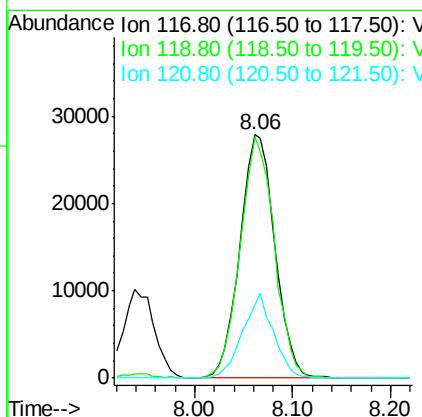
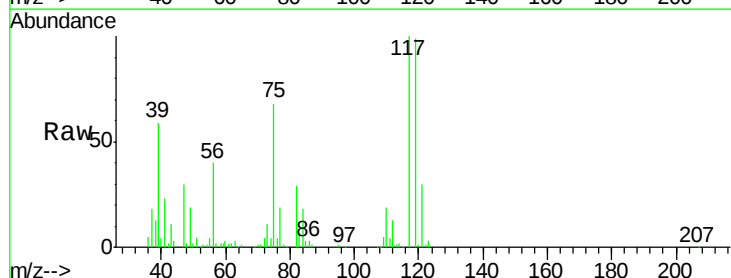
Manual Integrations
APPROVED

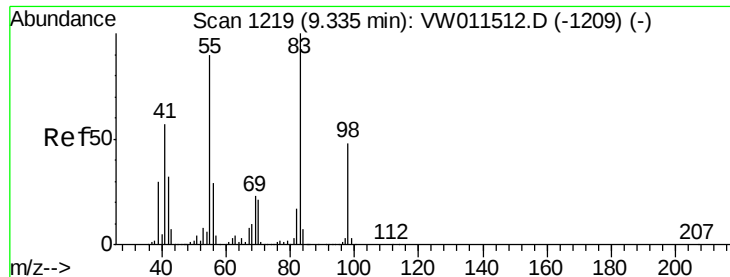
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.846 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.8	113.6
121	30.4	24.7	37.1





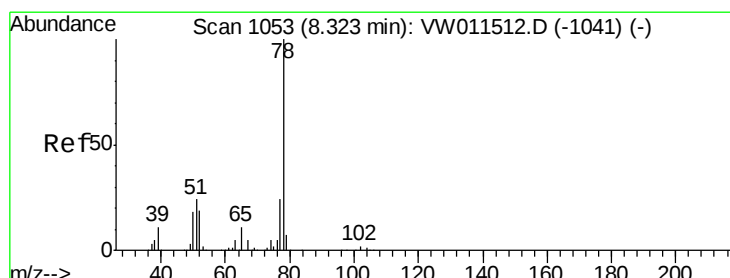
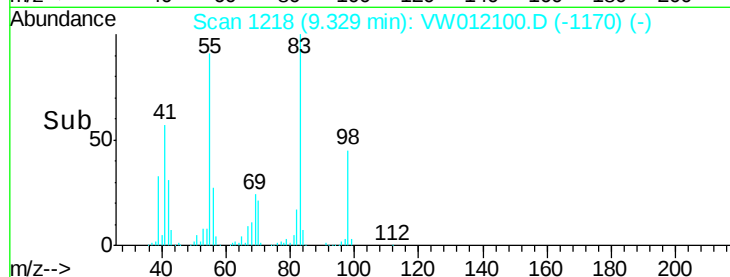
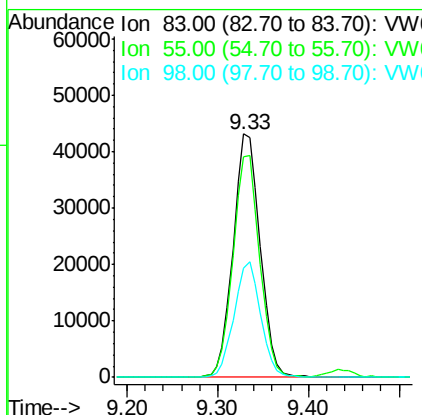
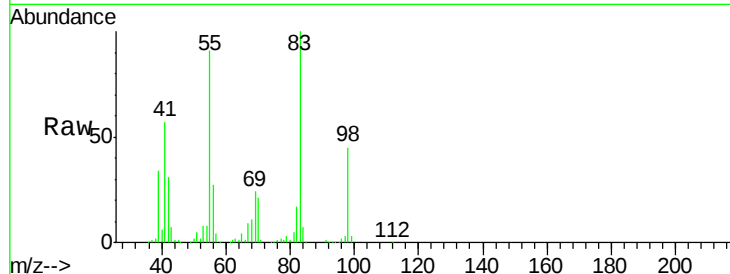
#39
Methvlcvclohexane
Concen: 21.957 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.5	72.1	108.1
98	45.0	38.6	57.8

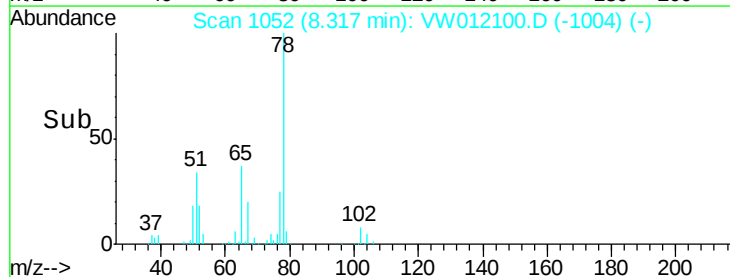
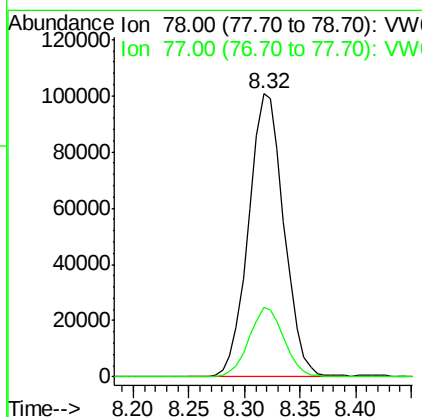
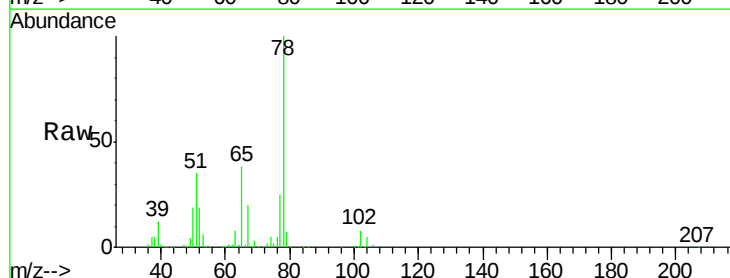
Manual Integrations
APPROVED

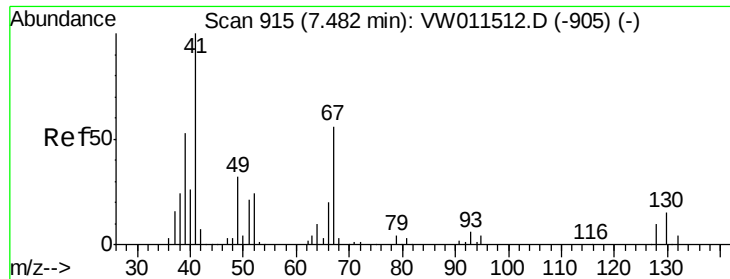
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#40
Benzene
Concen: 21.544 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





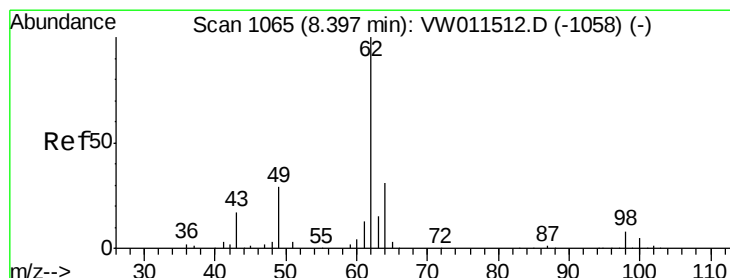
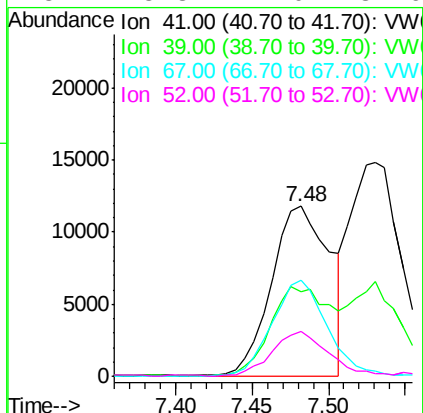
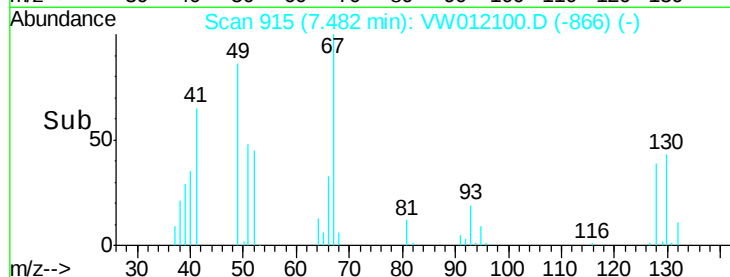
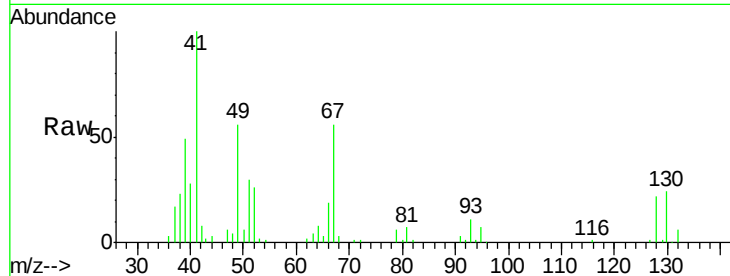
#41
Methacrylonitrile
Concen: 24.735 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion:	41	Resp:	31444
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.0	64.4
67	53.1	47.5	71.3
52	25.3	21.0	31.6

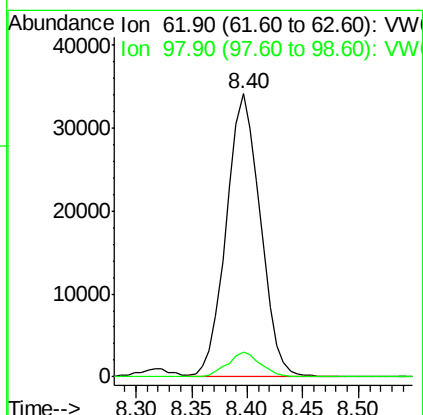
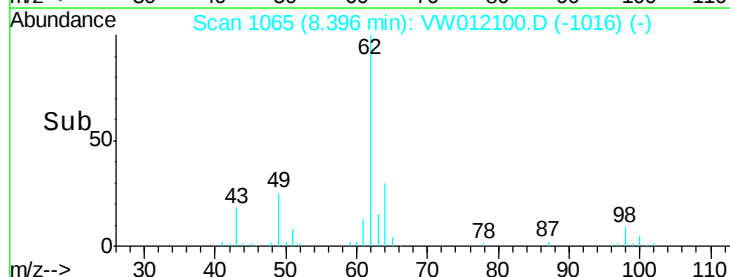
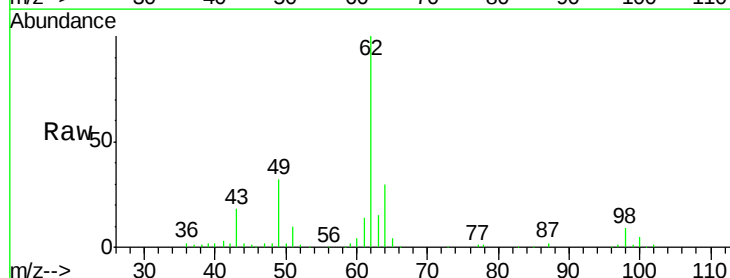
Manual Integrations
APPROVED

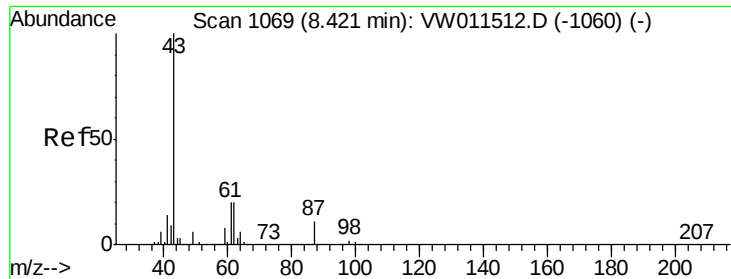
MMDadoda
8/23/2019 10:54:52 AM



#42
1,2-Dichloroethane
Concen: 22.386 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion:	62	Resp:	72566
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 22.926 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

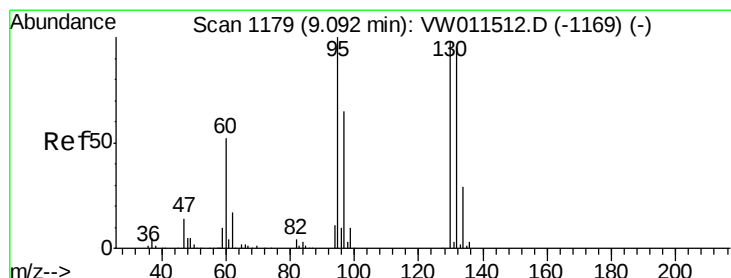
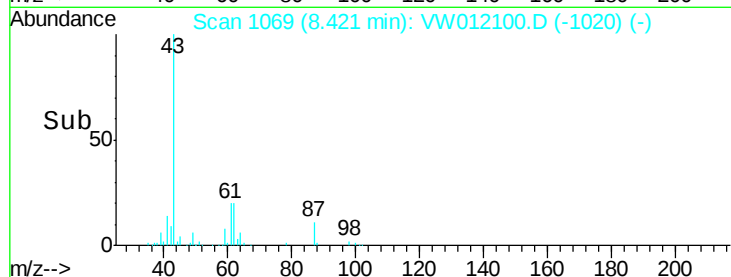
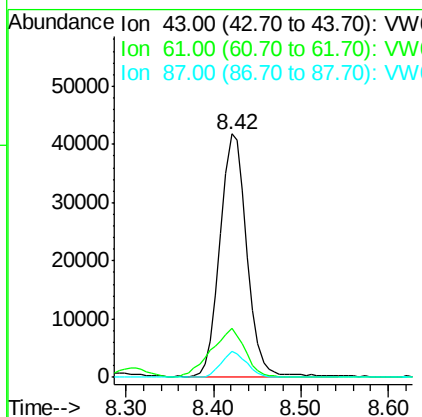
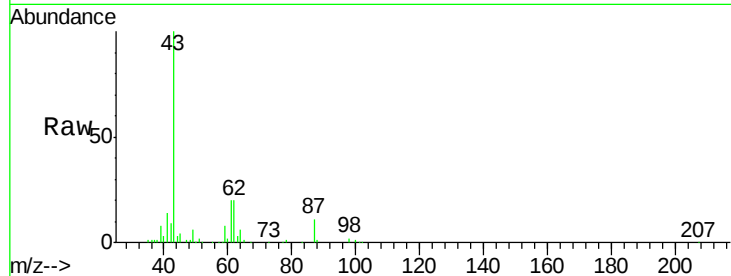
ClientSampleId :

VW0822SBS01

Tot Ion:	43	Resp:	89664
Ion	Ratio	Lower	Upper
43	100		
61	25.5	21.5	32.3
87	10.0	8.4	12.6

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#44

Trichloroethene

Concen: 21.535 ug/l

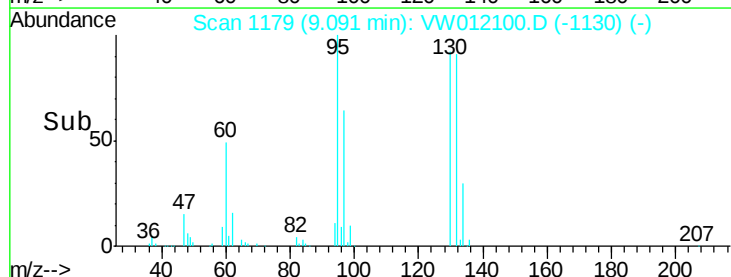
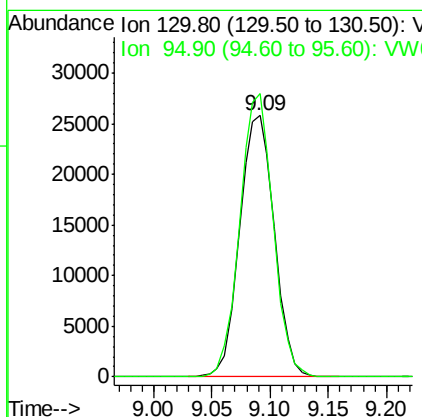
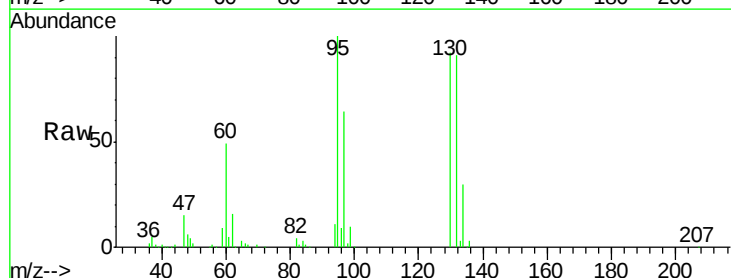
RT: 9.09 min Scan# 1179

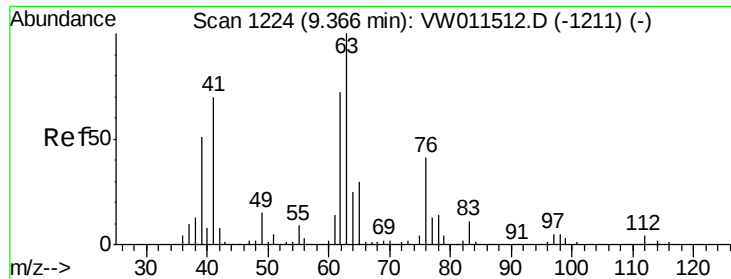
Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	130	Resp:	53590
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	204.8





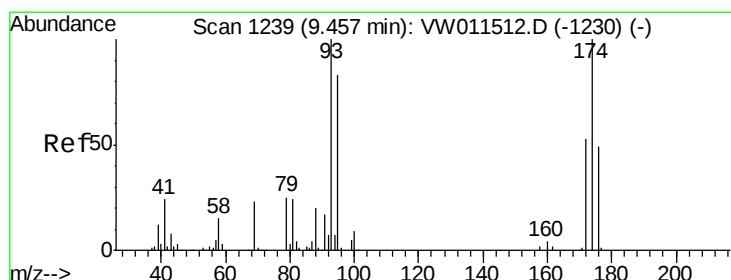
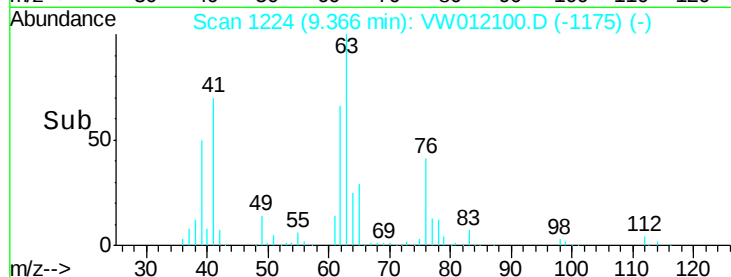
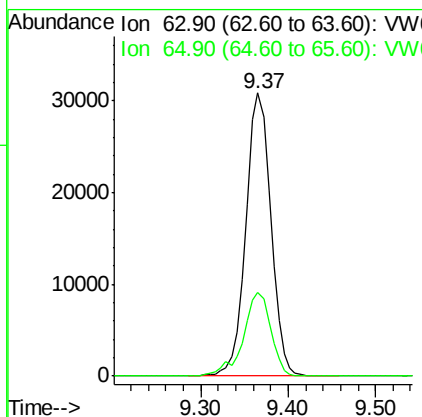
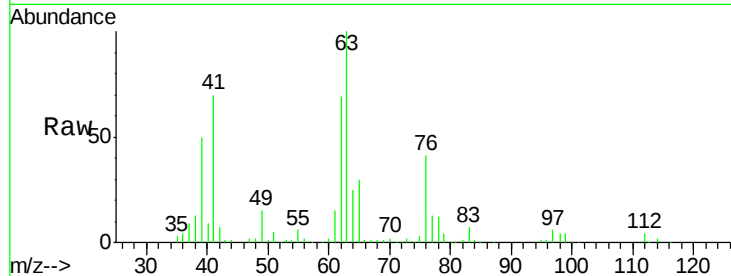
#45
 1,2-Dichloropropane
 Concen: 22.129 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion: 63 Resp: 61304
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.2 36.4

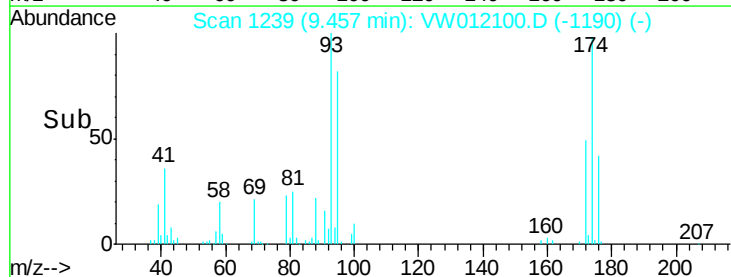
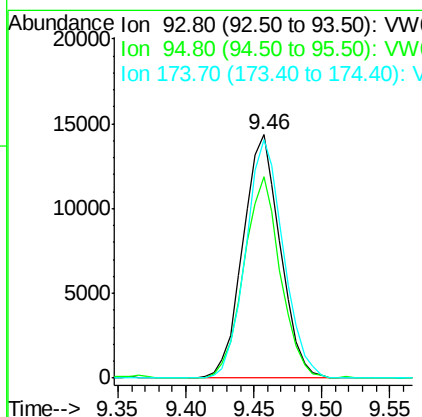
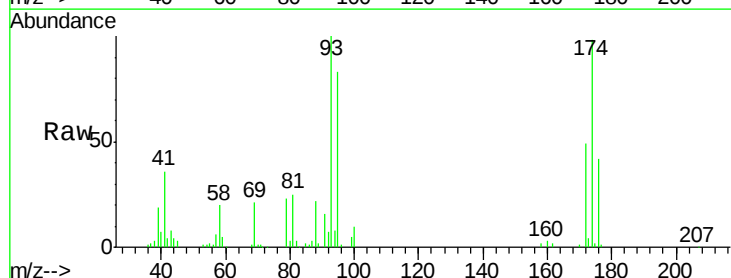
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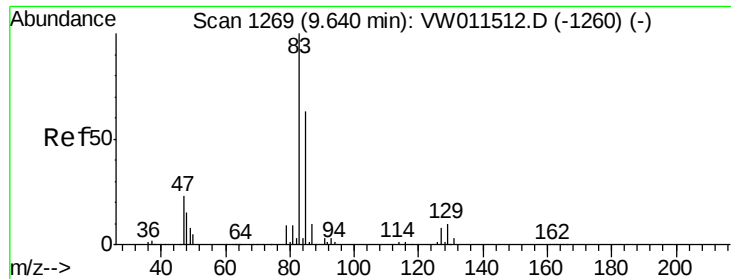
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#46
 Dibromomethane
 Concen: 21.714 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion: 93 Resp: 27456
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.2
 174 99.2 78.2 117.4





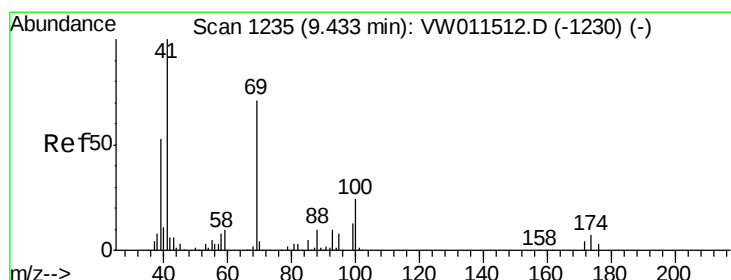
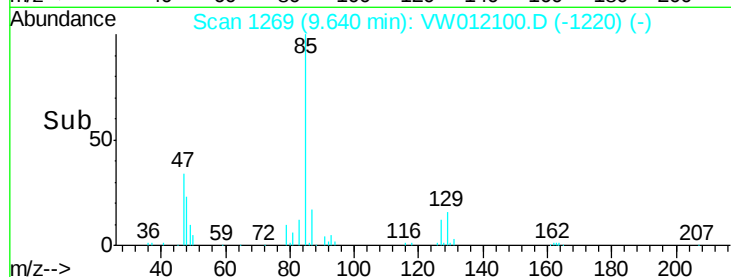
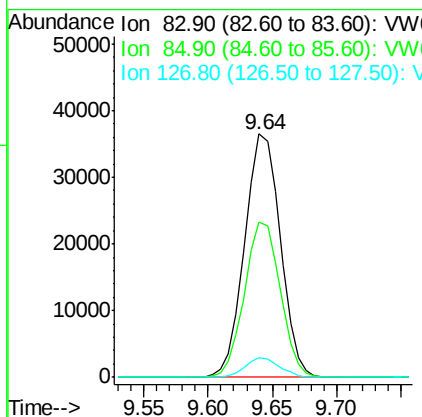
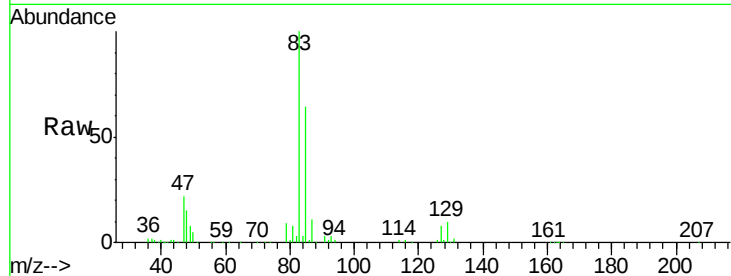
#47
Bromodichloromethane
Concen: 21.150 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	83	Resp	70151
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.9	6.4	9.6

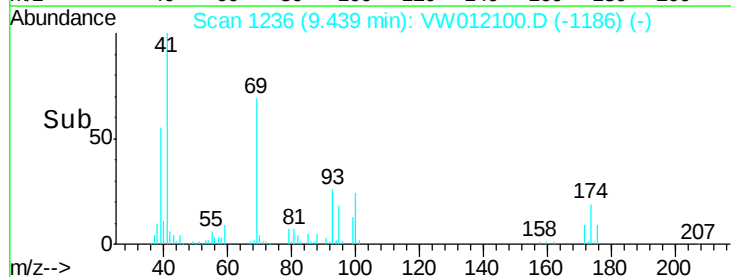
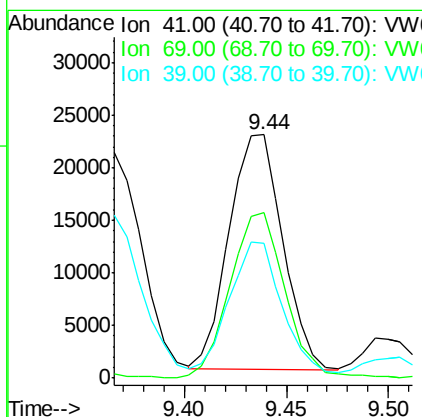
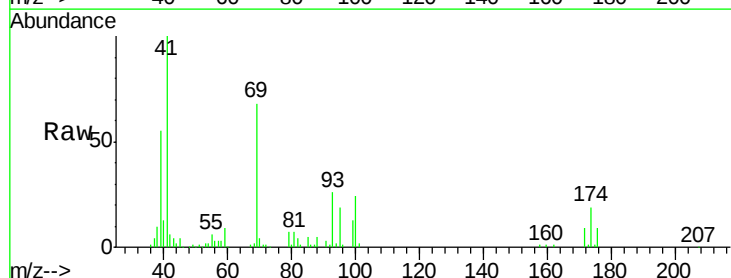
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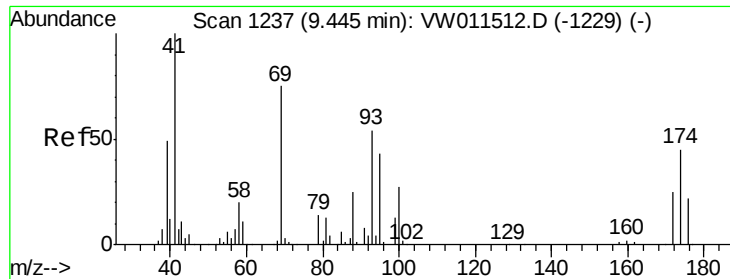
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#48
Methyl methacrylate
Concen: 21.722 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	41	Resp	40810
Ion	Ratio	Lower	Upper
41	100		
69	73.3	57.1	85.7
39	58.5	45.4	68.2





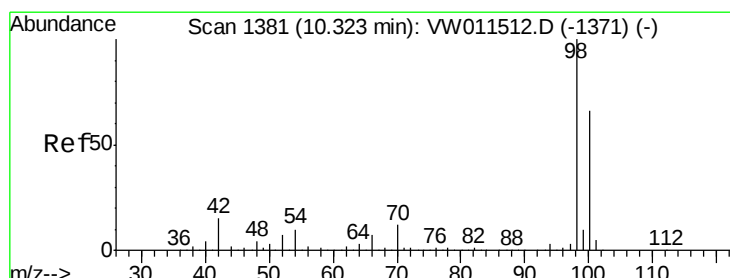
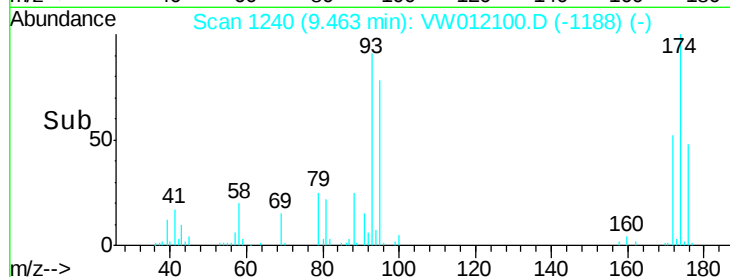
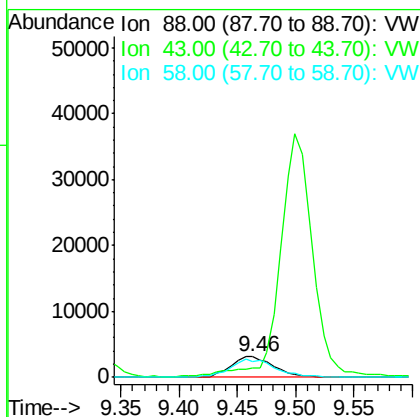
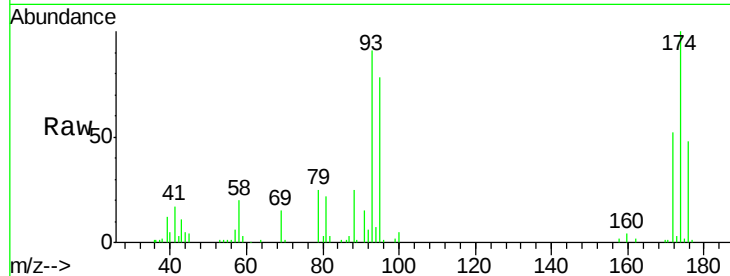
#49
 1,4-Dioxane
 Concen: 442.861 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.02 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	88	Resp	8108
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	94.7	69.7	104.5

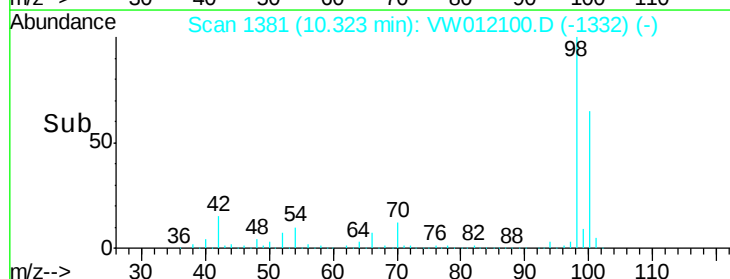
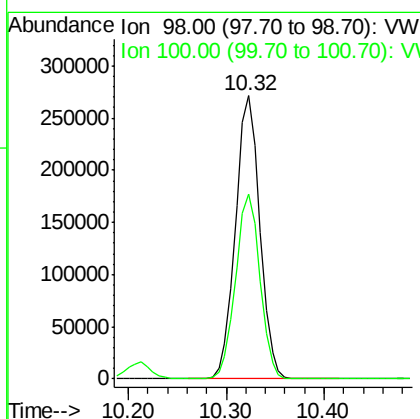
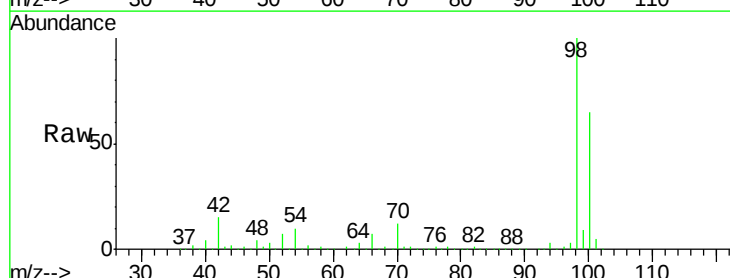
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#50
 Toluene-d8
 Concen: 57.323 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion	98	Resp	468068
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 114.789 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 43 Resp: 233519

Ion Ratio Lower Upper

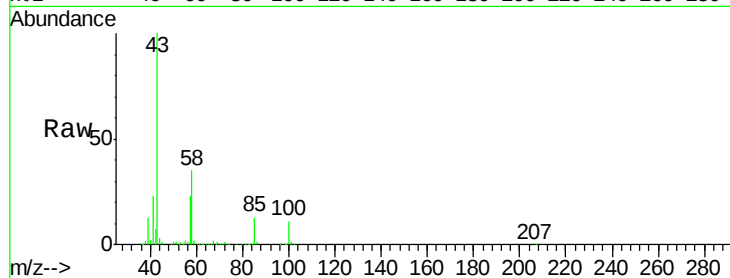
43 100

58 34.7 28.2 42.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

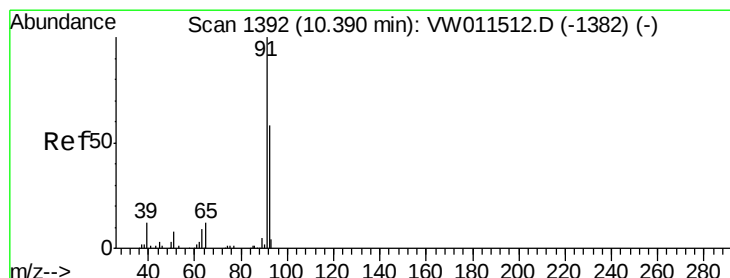
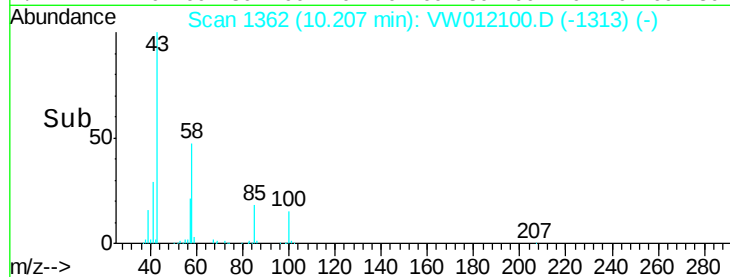
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.611 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012100.D

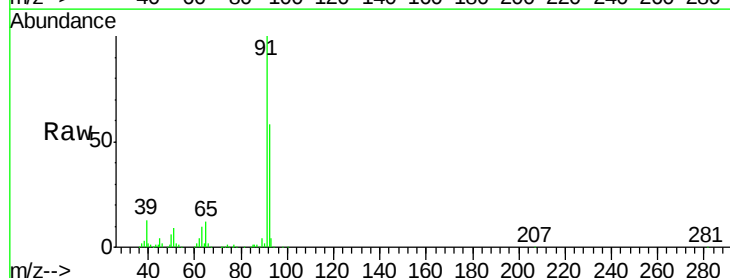
Acq: 22 Aug 2019 10:40

Tgt Ion: 92 Resp: 135127

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

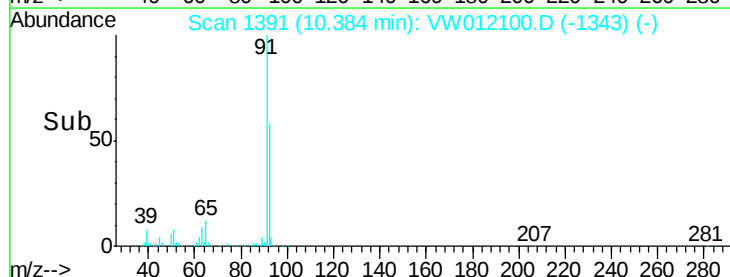
150000

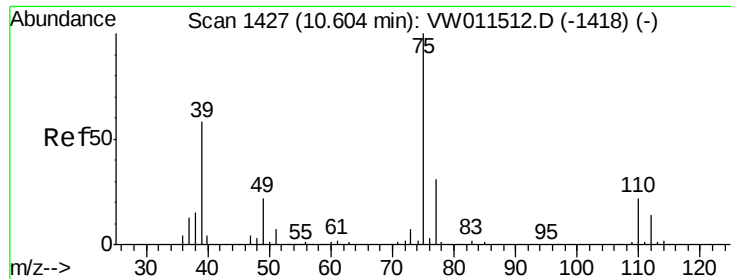
100000

50000

0

Time-->





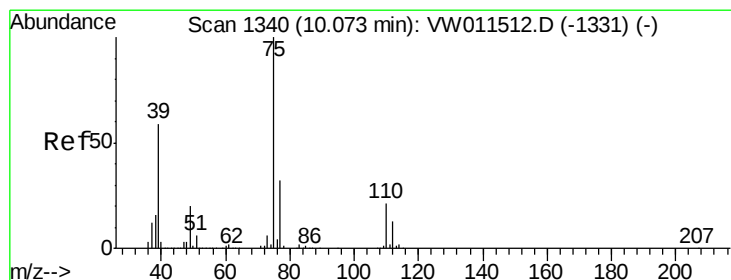
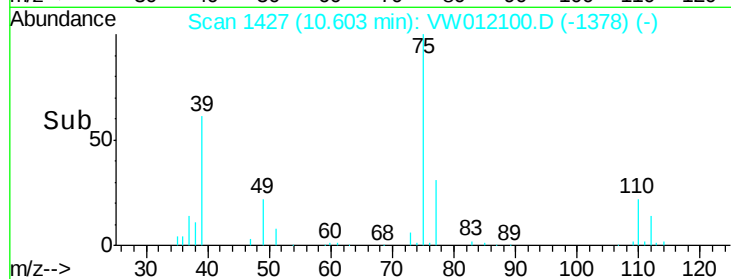
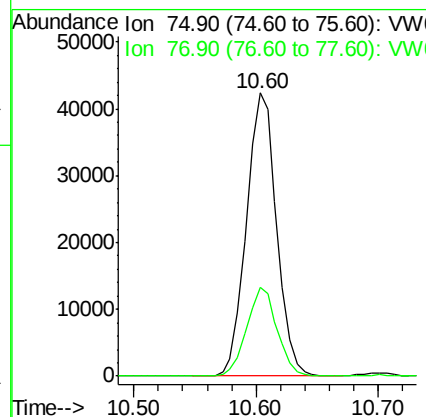
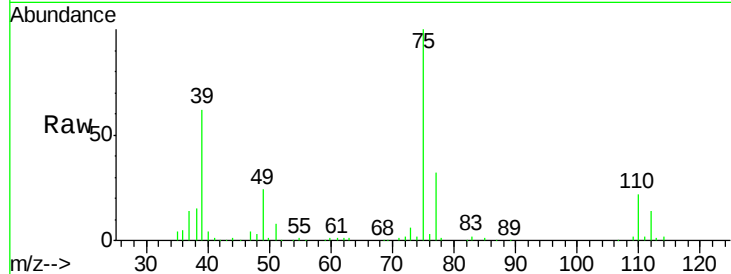
#53
t-1,3-Dichloropropene
Concen: 20.926 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4

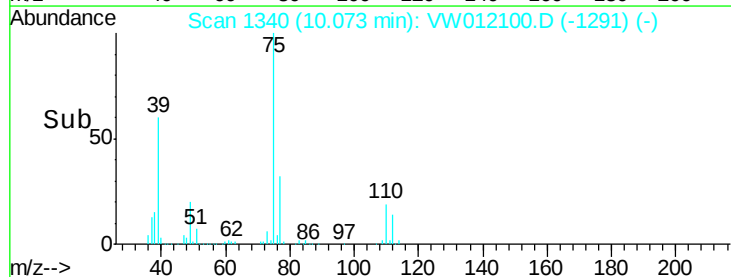
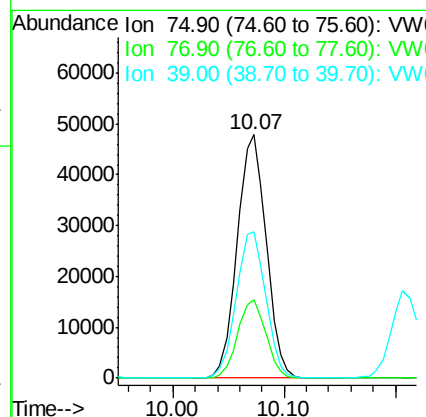
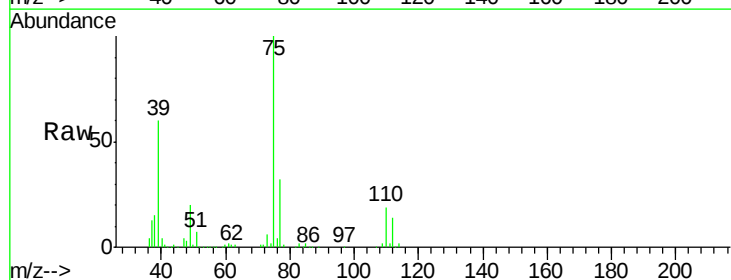
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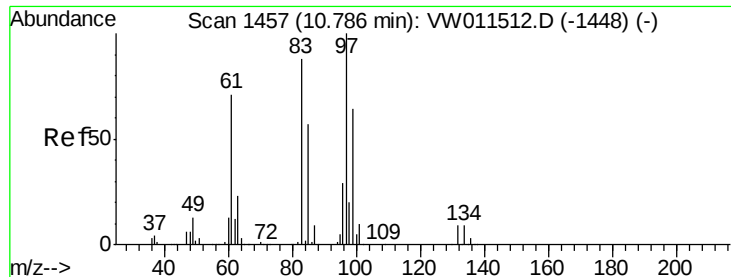
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#54
cis-1,3-Dichloropropene
Concen: 20.934 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.6	38.4
39	59.8	47.0	70.4





#55

1,1,2-Trichloroethane

Concen: 22.255 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

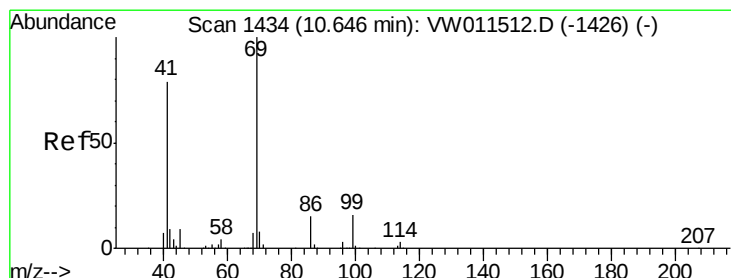
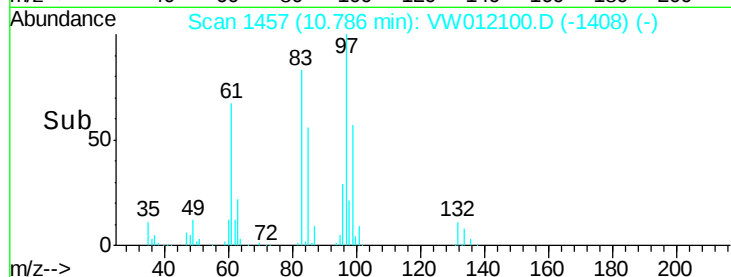
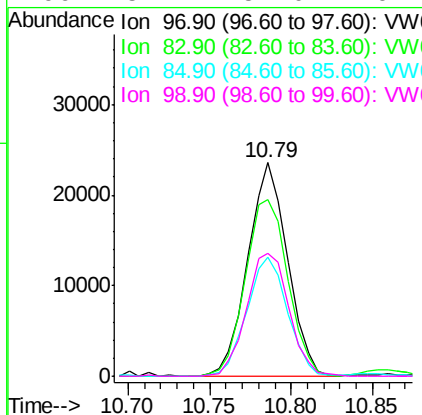
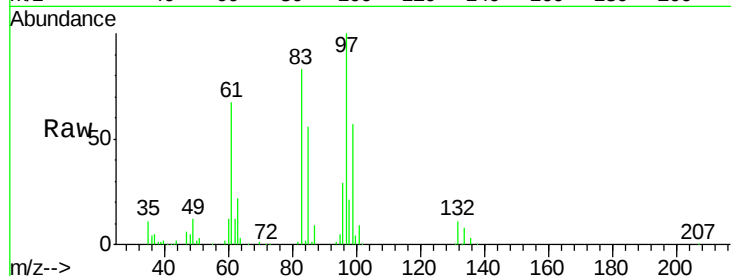
ClientSampleId :

VW0822SBS01

Tot Ion:	97	Resp:	39927
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.5	105.7
85	56.0	45.8	68.6
99	57.1	51.0	76.4

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#56

Ethyl methacrylate

Concen: 22.132 ug/l

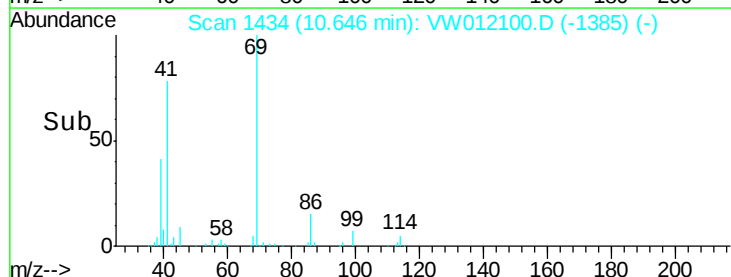
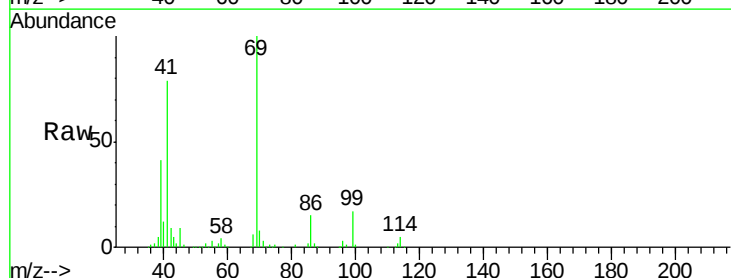
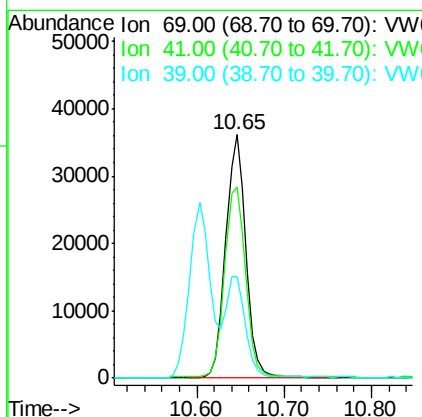
RT: 10.65 min Scan# 1434

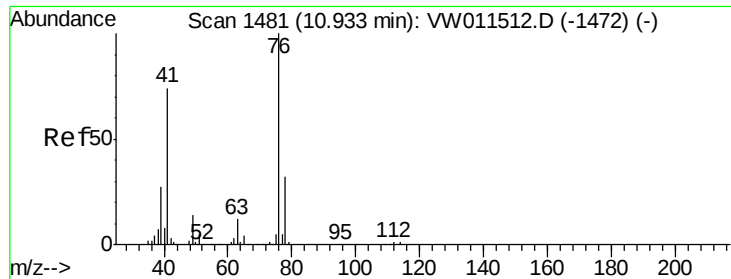
Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	69	Resp:	58102
Ion	Ratio	Lower	Upper
69	100		
41	80.5	66.6	99.8
39	38.4	30.3	45.5





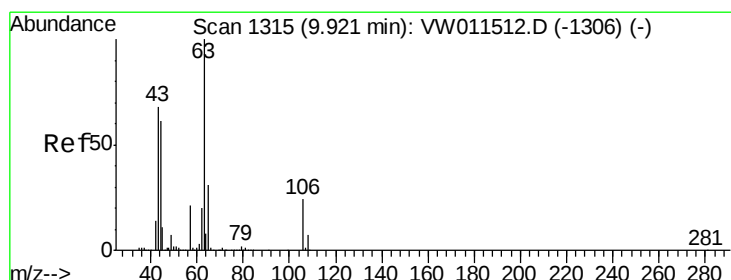
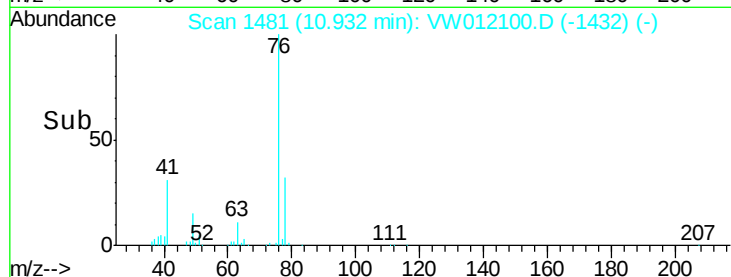
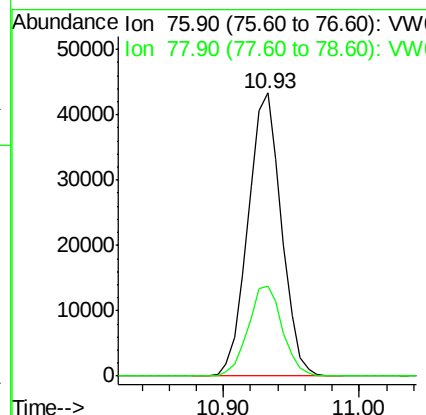
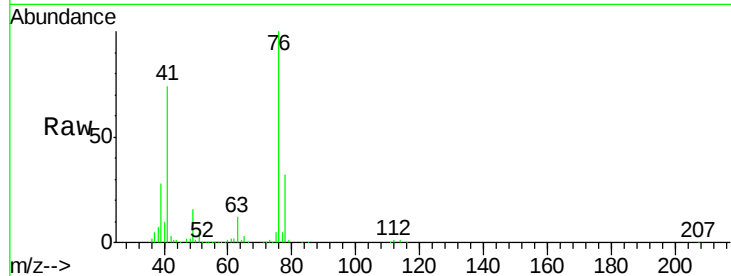
#57
 1,3-Dichloropropane
 Concen: 21.959 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion: 76 Resp: 74533
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8

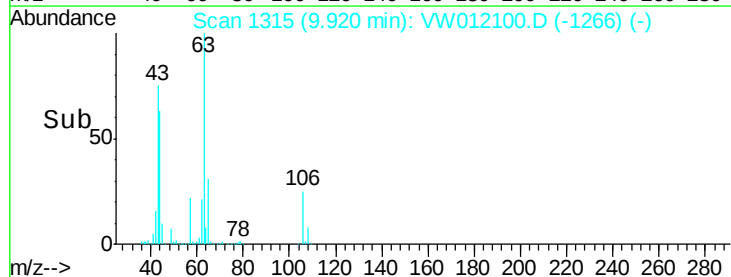
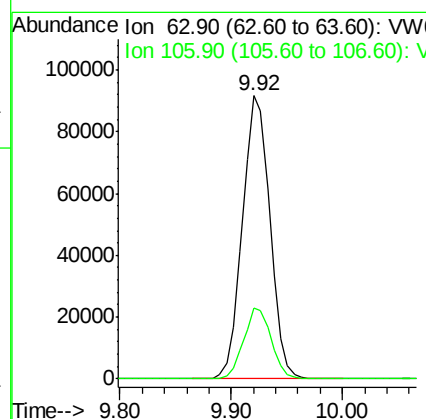
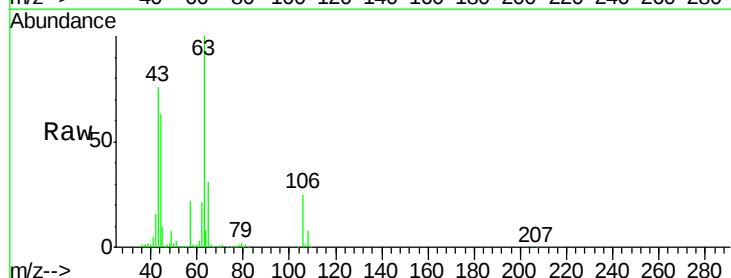
Manual Integrations
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 8/23/2019 10:54:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 131.636 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion: 63 Resp: 156907
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.7 29.5





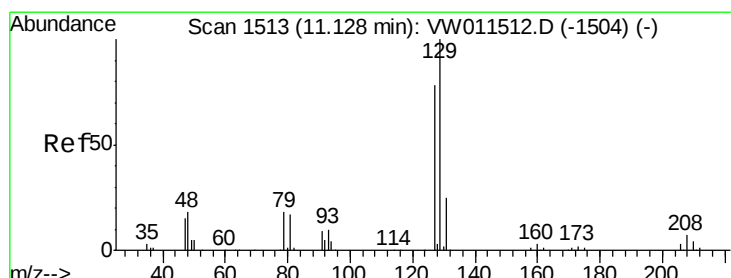
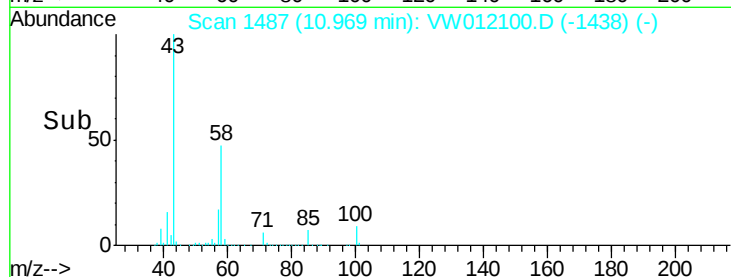
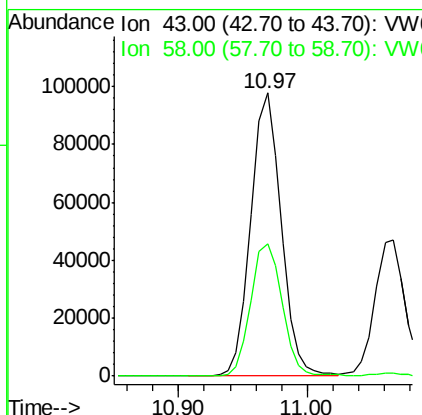
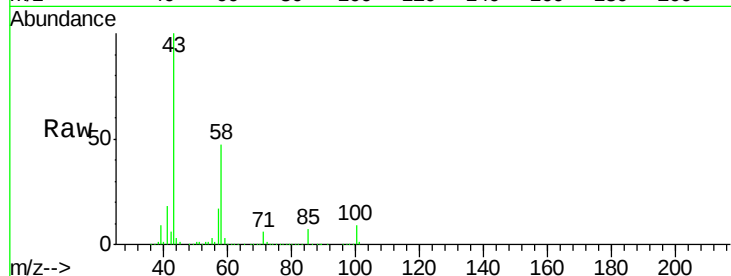
#59
2-Hexanone
Concen: 110.647 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	43	Resp	158930
Ion Ratio	100	Lower	Upper
43	100		
58	48.4	24.3	72.9

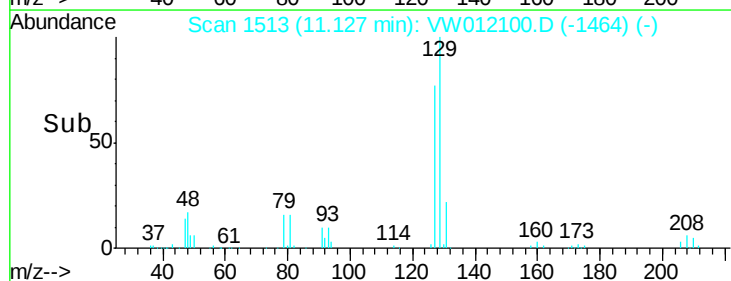
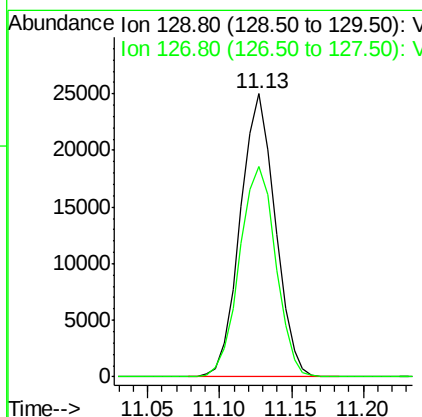
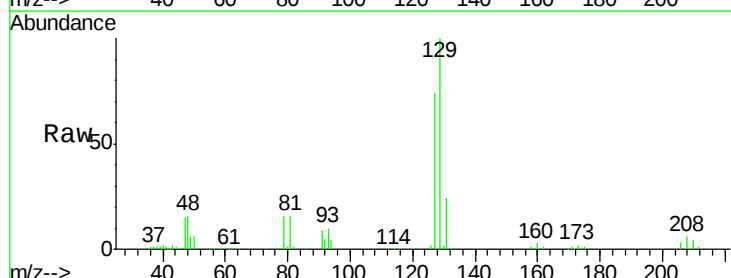
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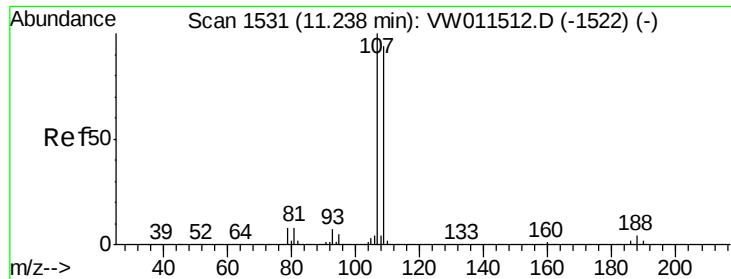
MMDadoda
8/23/2019 10:54:52 AM



#60
Dibromochloromethane
Concen: 21.204 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	129	Resp	42226
Ion Ratio	100	Lower	Upper
129	100		
127	77.0	38.9	116.7





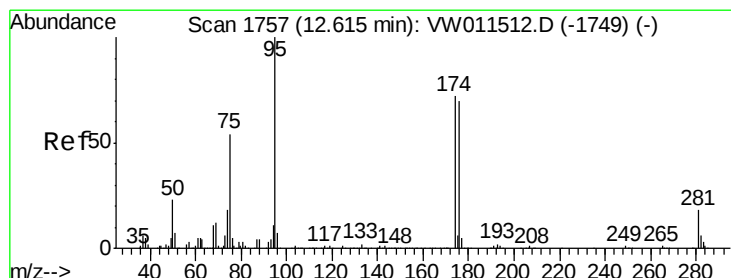
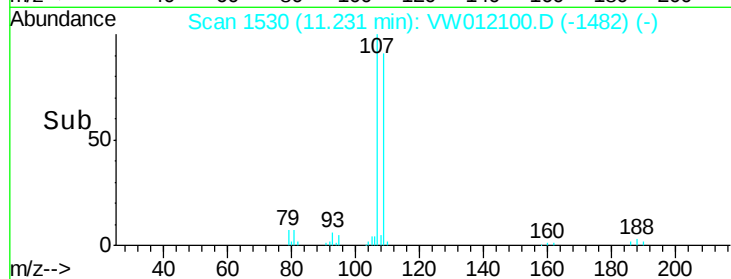
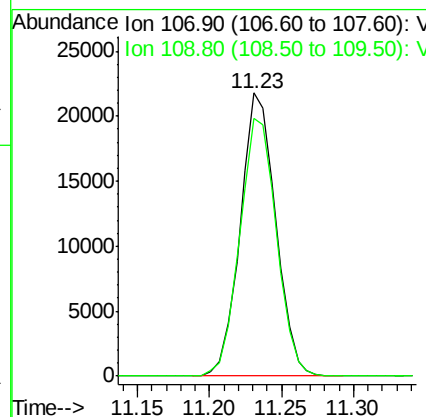
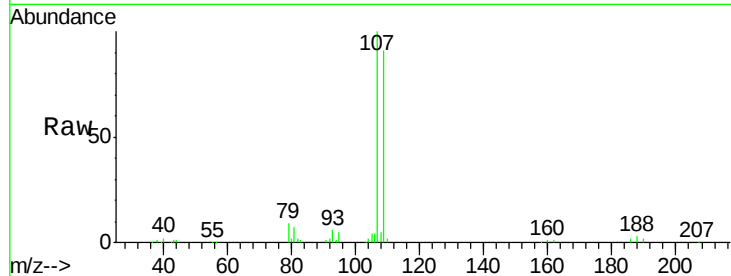
#61
 1,2-Dibromoethane
 Concen: 21.860 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

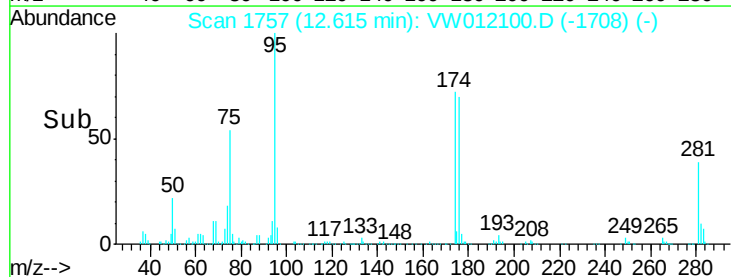
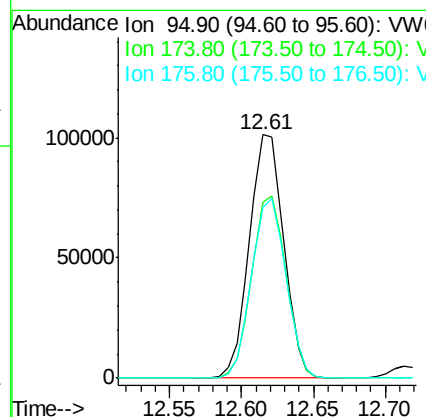
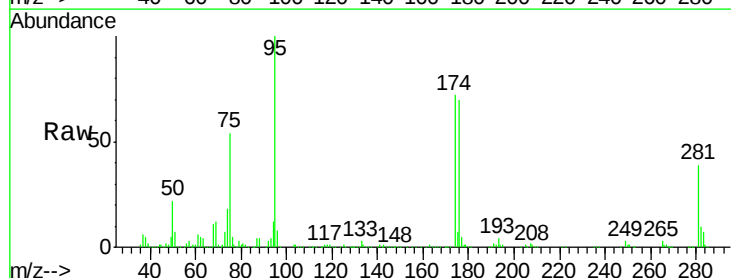
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#62
 4-Bromofluorobenzene
 Concen: 57.526 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.2
176	73.9	0.0	144.4





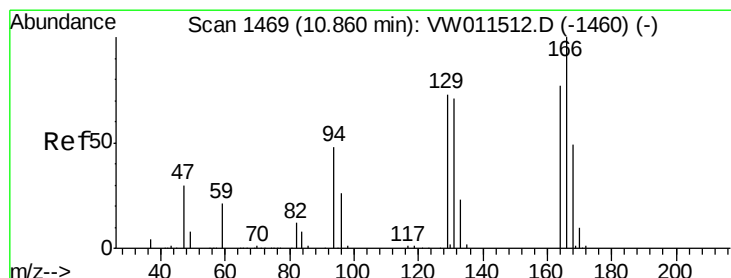
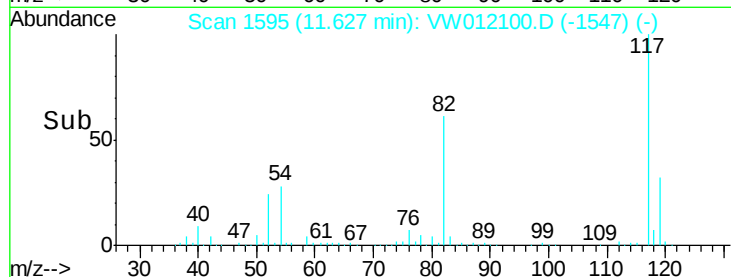
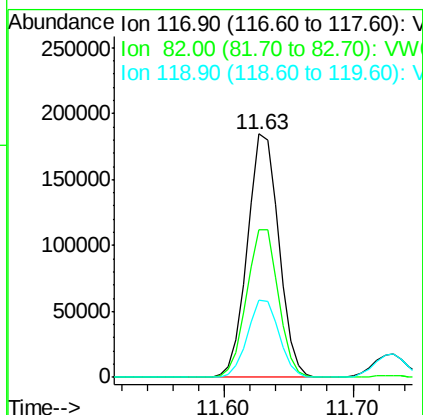
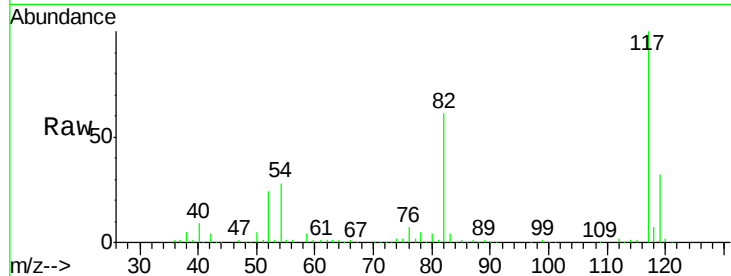
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	310078		
82	60.9	47.9	71.9	
119	31.9	26.2	39.2	

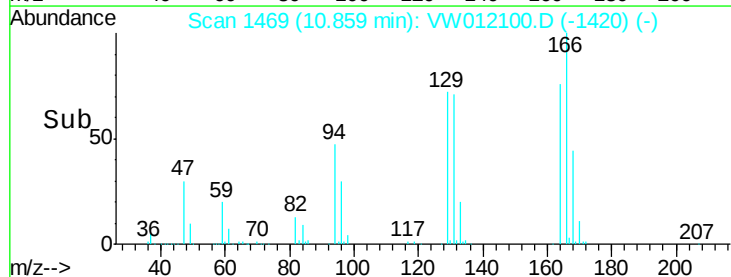
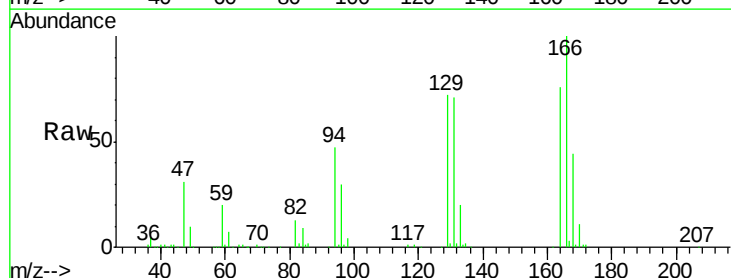
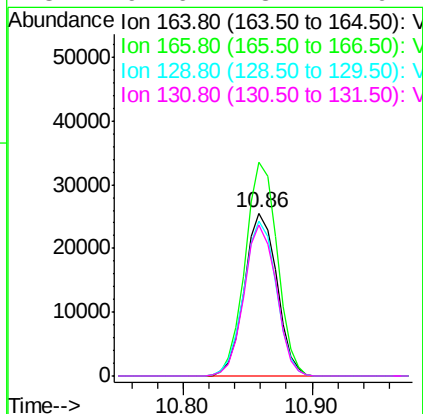
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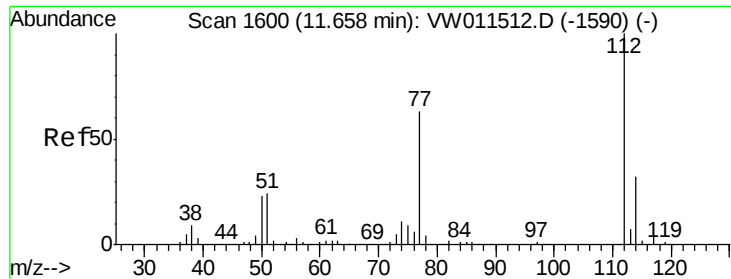
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#64
Tetrachloroethene
Concen: 21.981 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44379		
166	131.0	103.5	155.3	
129	94.7	75.2	112.8	
131	92.6	73.4	110.2	





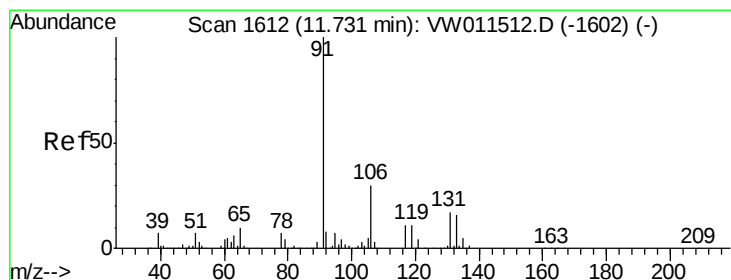
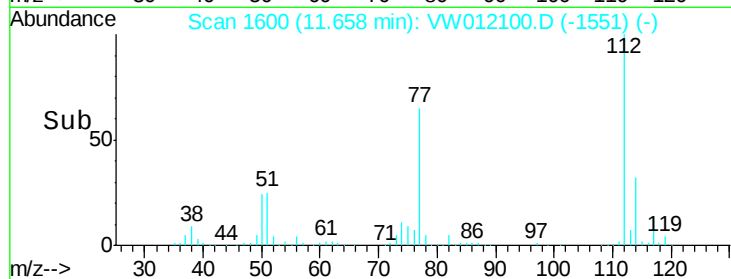
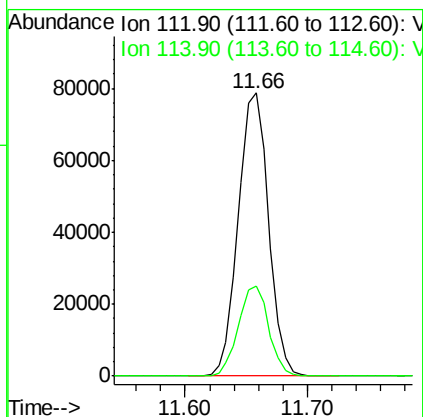
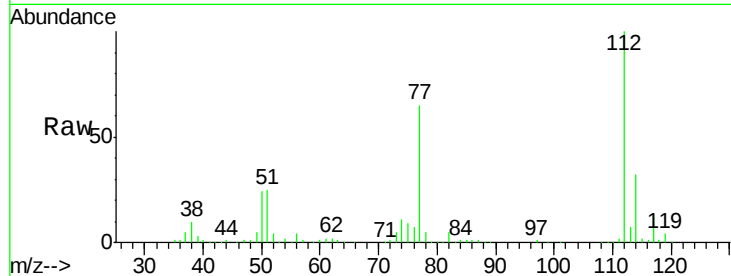
#65
Chlorobenzene
Concen: 21.701 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion:112 Resp: 135282
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

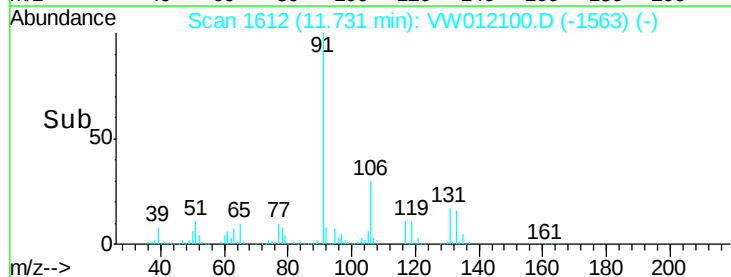
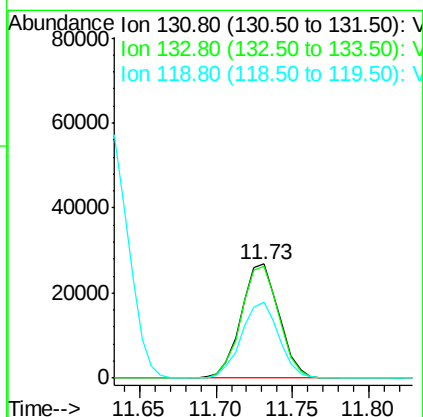
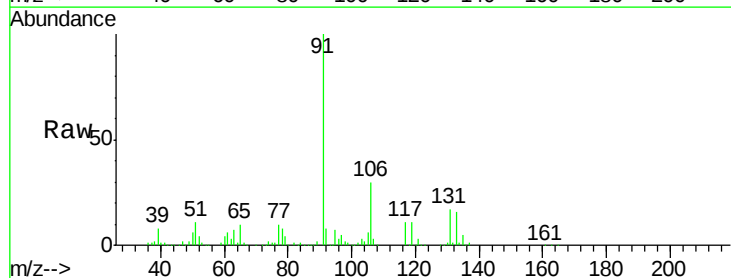
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.186 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion:131 Resp: 46004
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.2
119 66.5 32.3 96.9





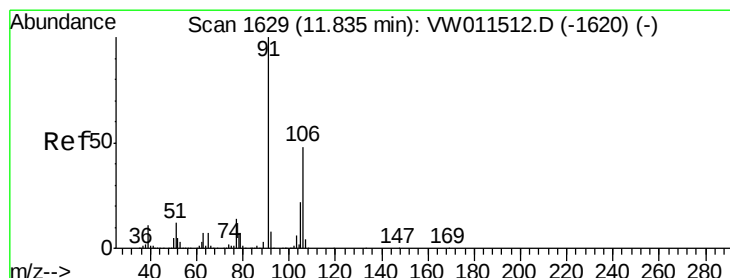
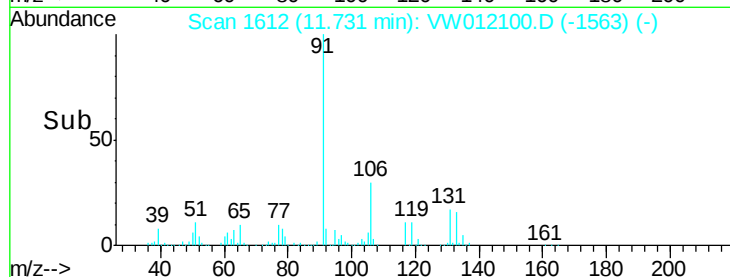
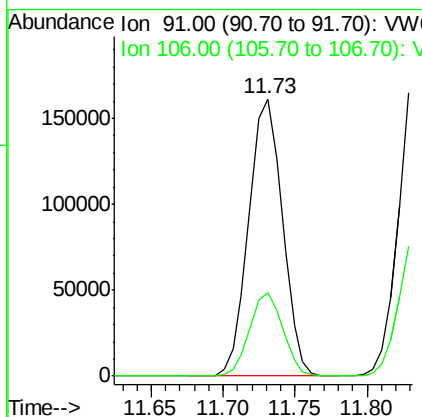
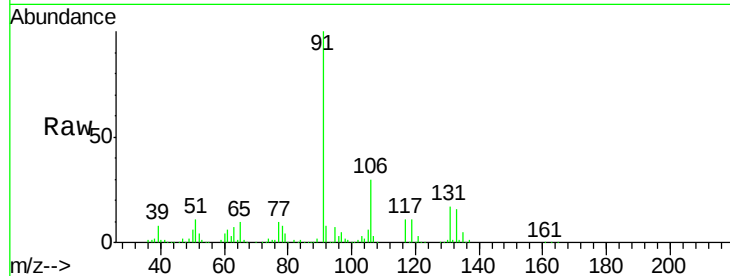
#67
Ethyl Benzene
Concen: 22.116 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion: 91 Resp: 262587
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

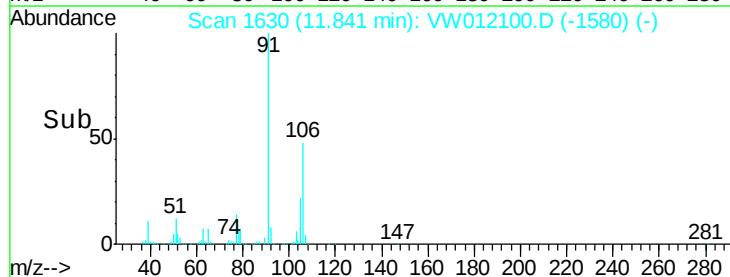
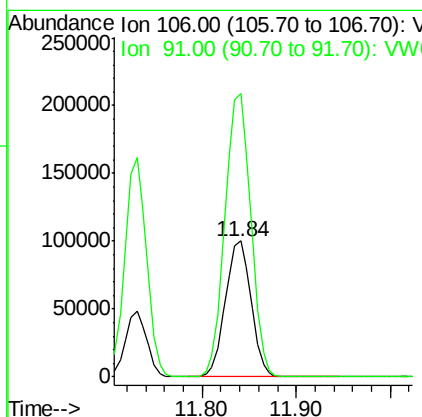
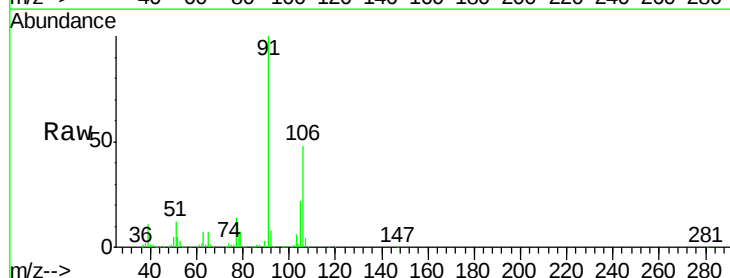
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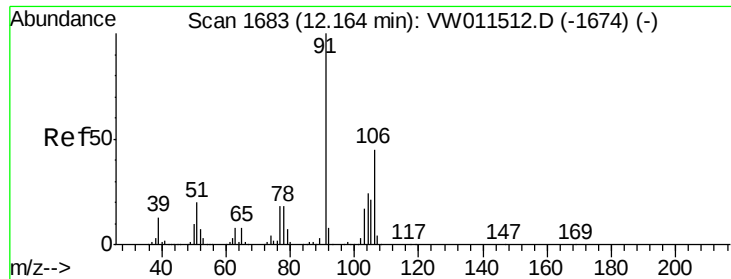
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#68
m/p-Xylenes
Concen: 43.869 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion: 106 Resp: 189419
Ion Ratio Lower Upper
106 100
91 209.9 168.2 252.2





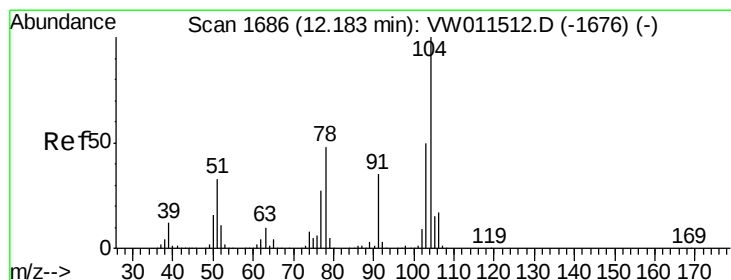
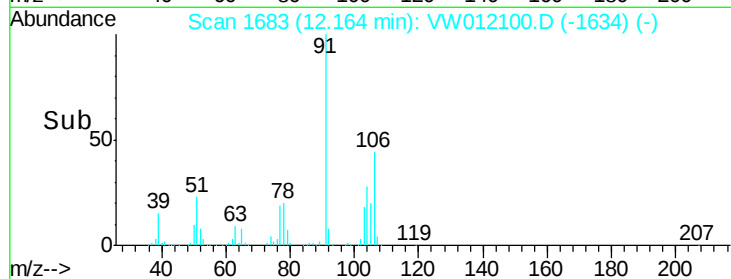
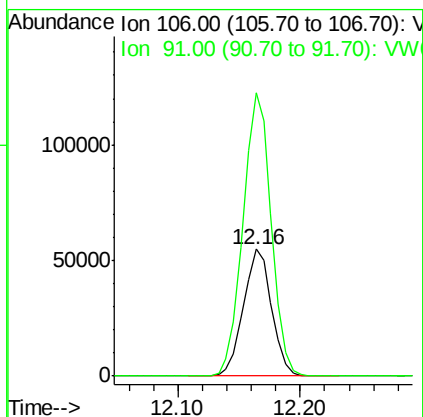
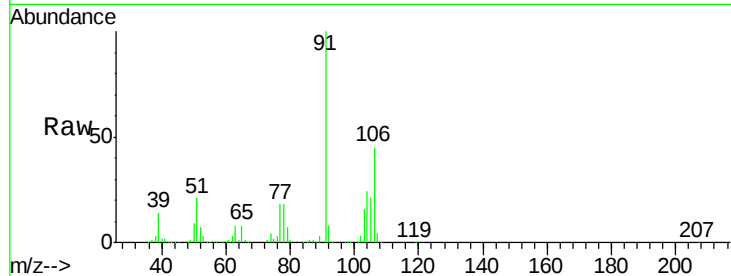
#69
o-Xylene
Concen: 21.848 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampled :
VW0822SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	87664		
91	91	222.4		110.5	331.5

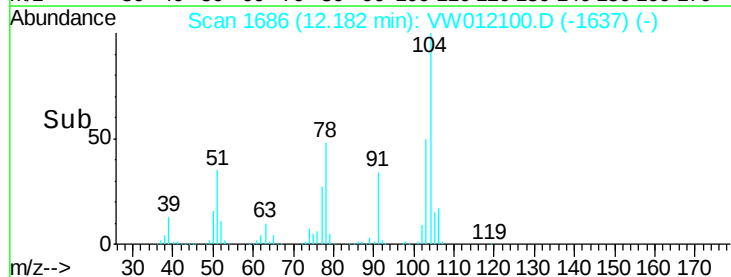
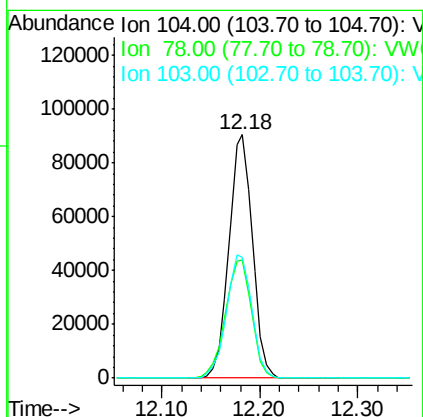
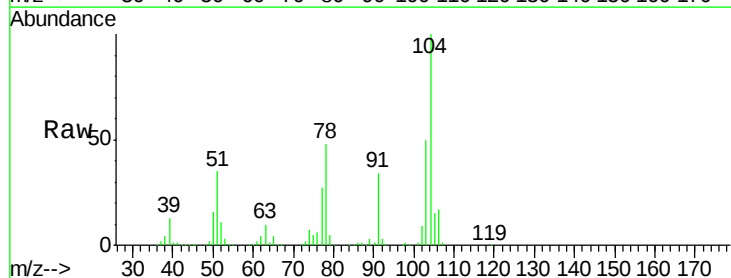
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#70
Styrene
Concen: 21.724 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	150712		
78	78	54.1		43.4	65.0
103	103	54.7		43.9	65.9





#71

Bromoform

Concen: 21.066 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

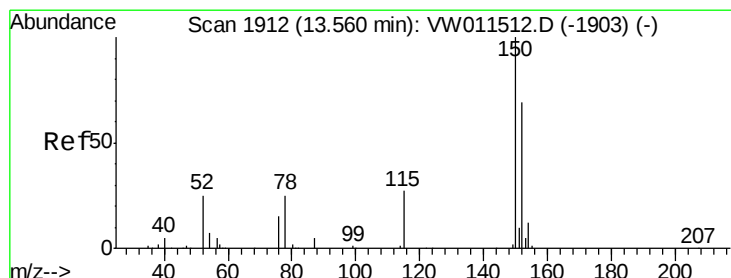
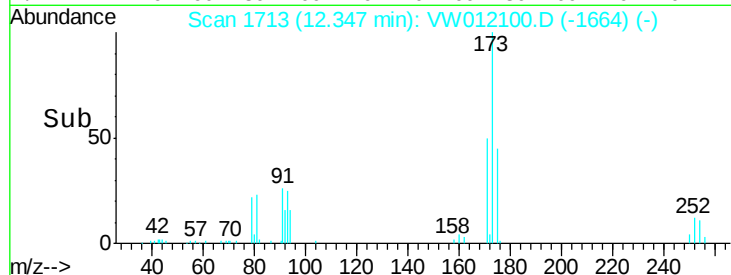
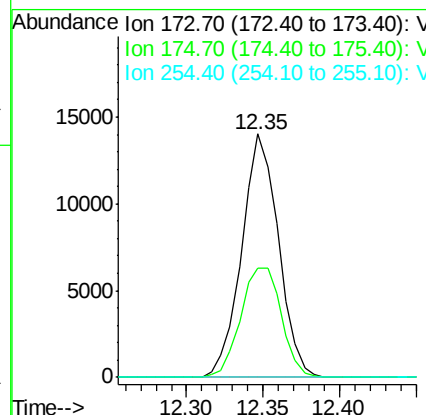
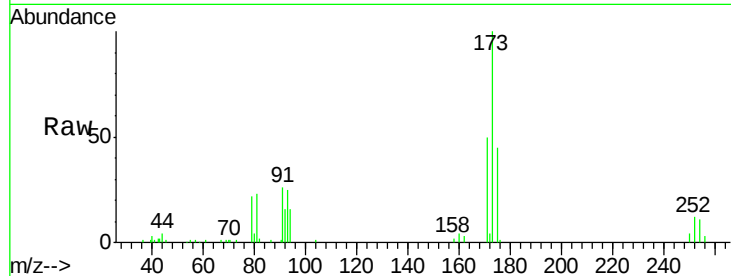
ClientSampleId :

VW0822SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.6	71.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

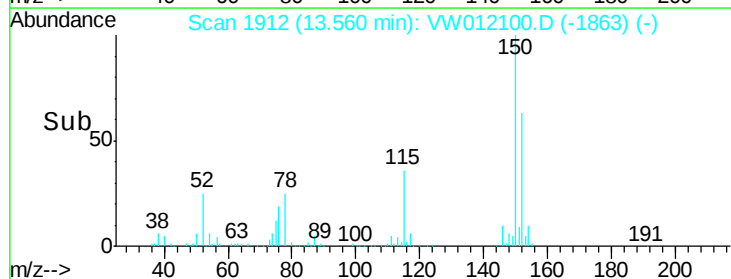
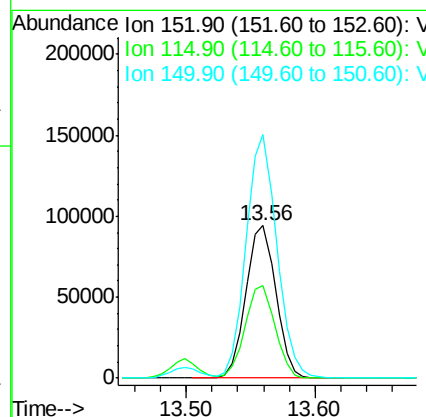
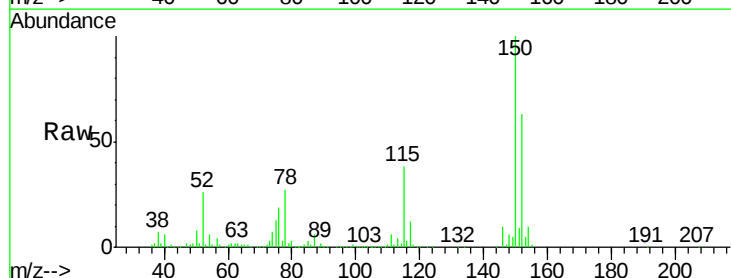
RT: 13.56 min Scan# 1912

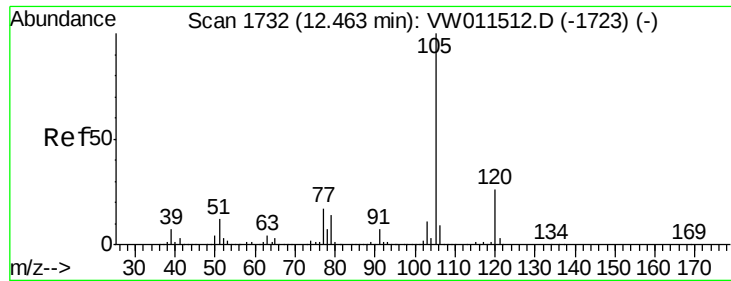
Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	163.1	0.0	352.6





#73

Isopropylbenzene

Concen: 21.837 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 105 Resp: 246539

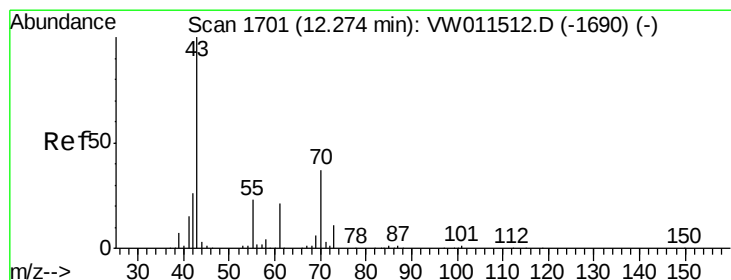
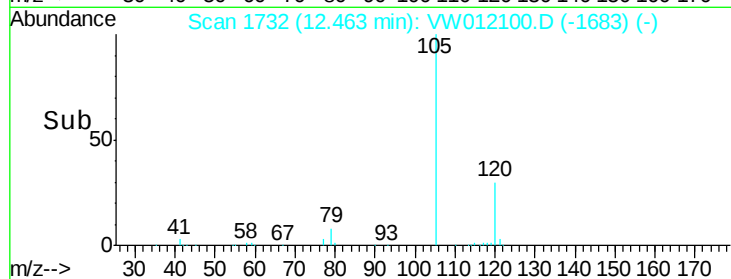
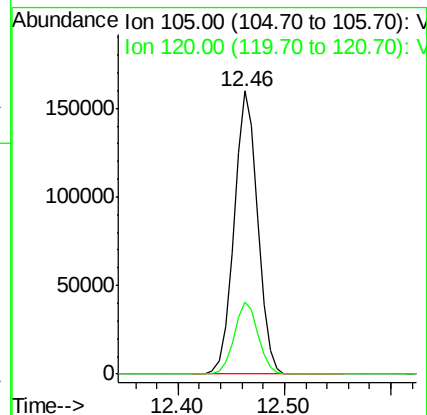
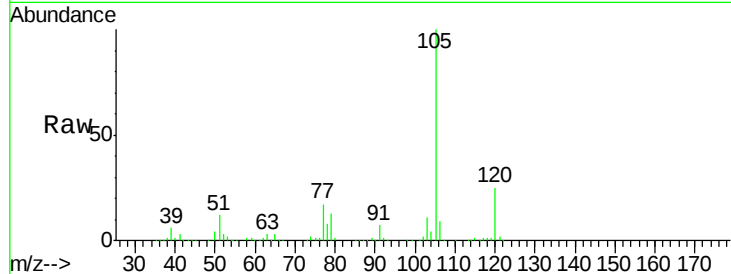
Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 21.993 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion: 43 Resp: 77735

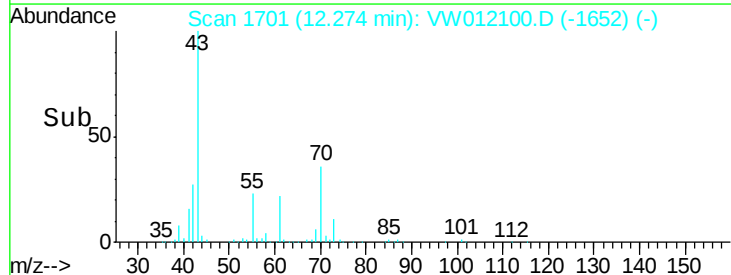
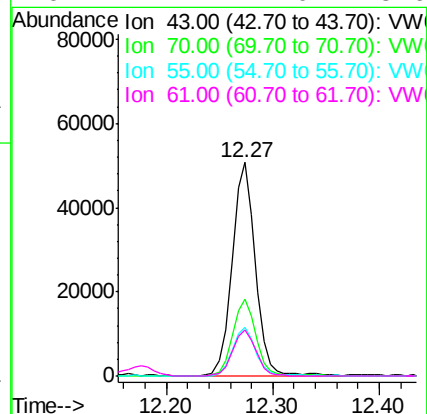
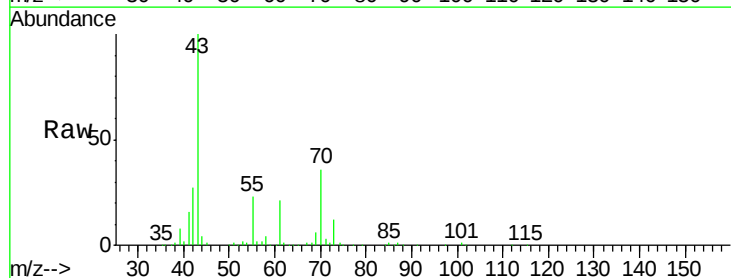
Ion Ratio Lower Upper

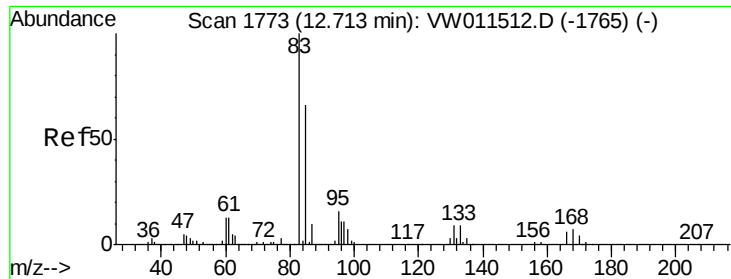
43 100

70 35.8 28.6 43.0

55 22.9 17.8 26.8

61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.829 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

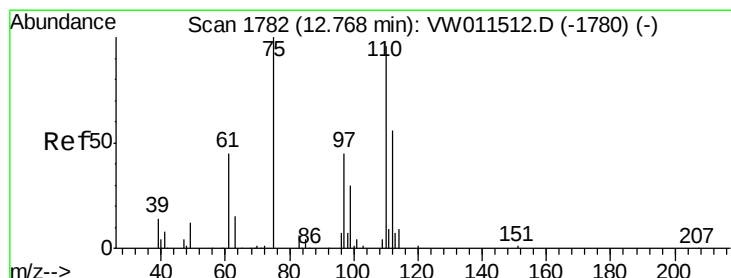
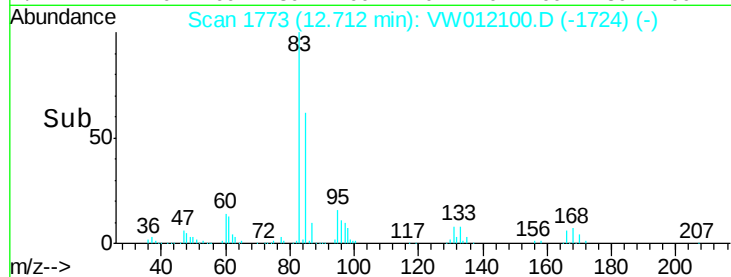
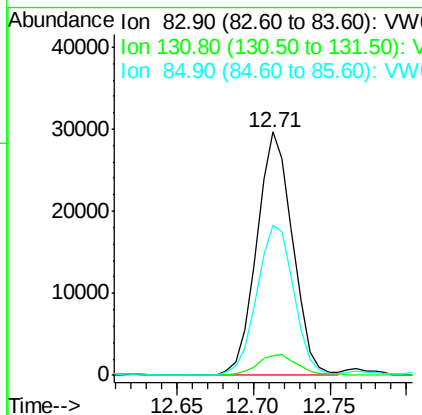
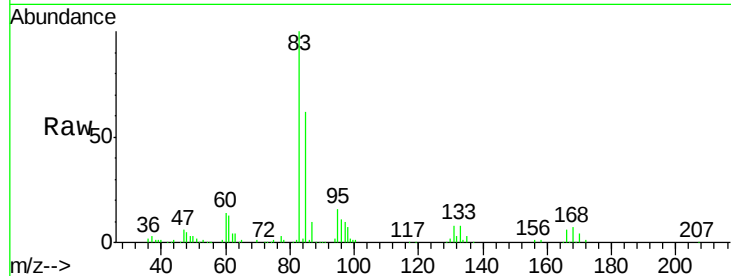
ClientSampleId :

VW0822SBS01

Tot Ion:	83	Resp:	48480
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 25.609 ug/l m

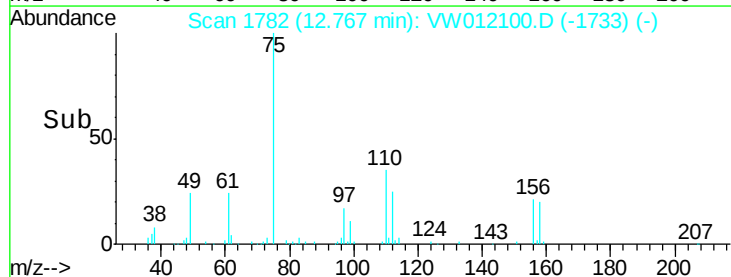
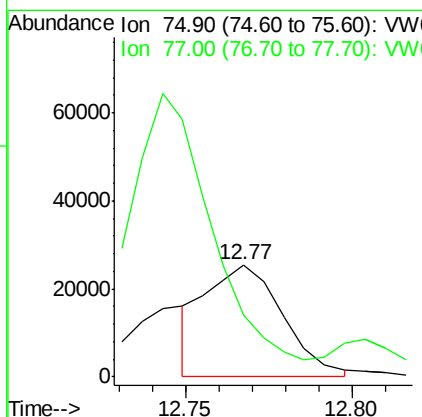
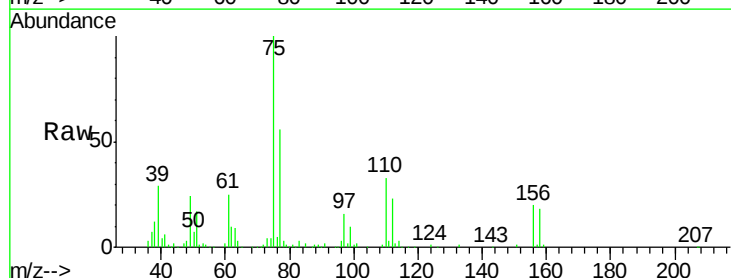
RT: 12.77 min Scan# 1782

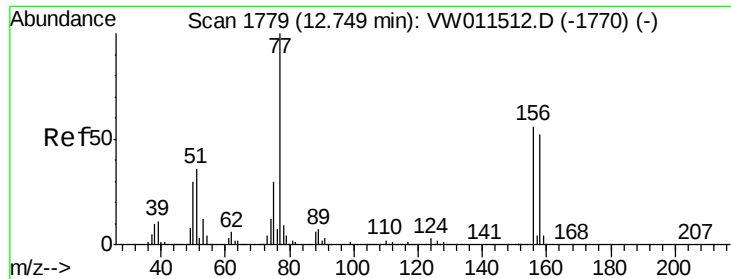
Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	75	Resp:	41007
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





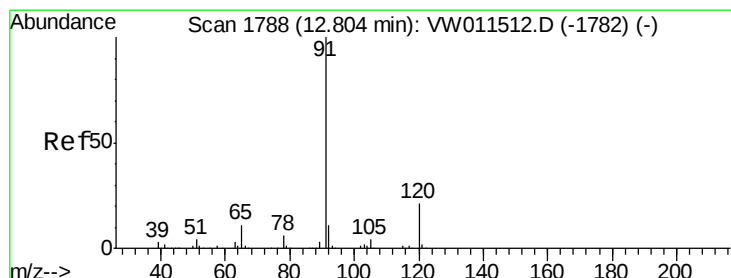
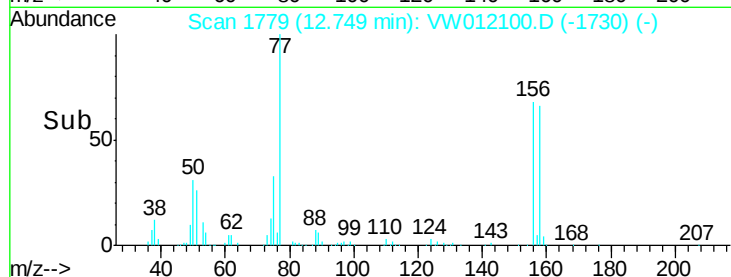
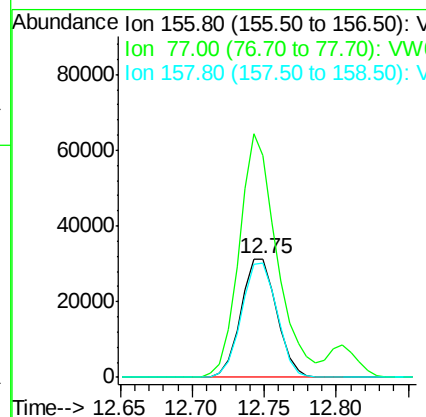
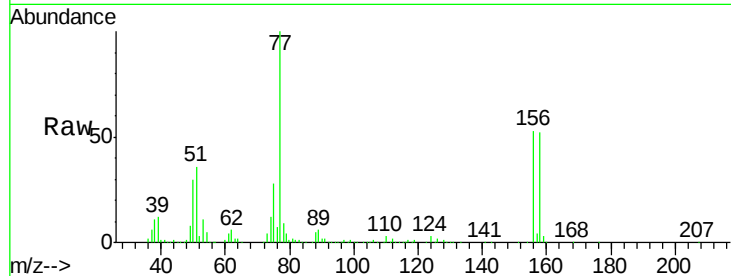
#77
Bromobenzene
Concen: 21.520 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.9	106.5	319.4
158	96.5	48.0	144.2

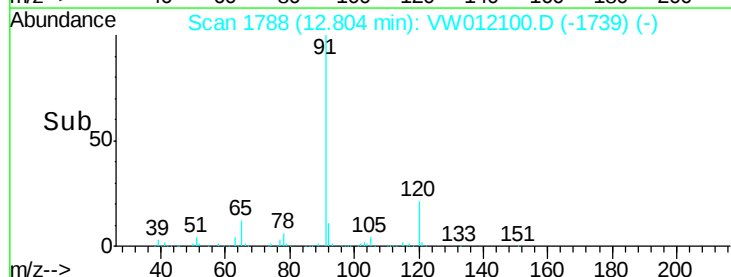
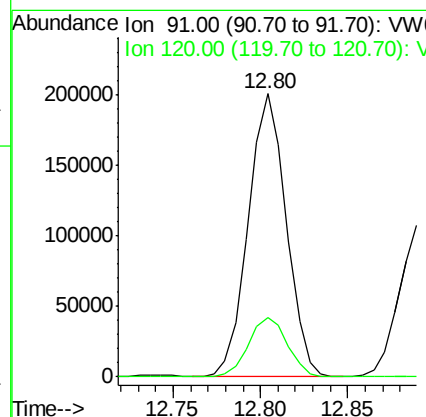
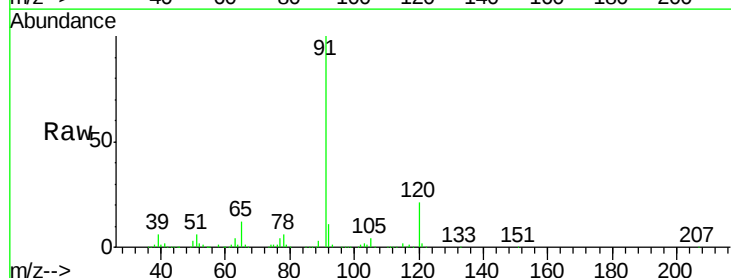
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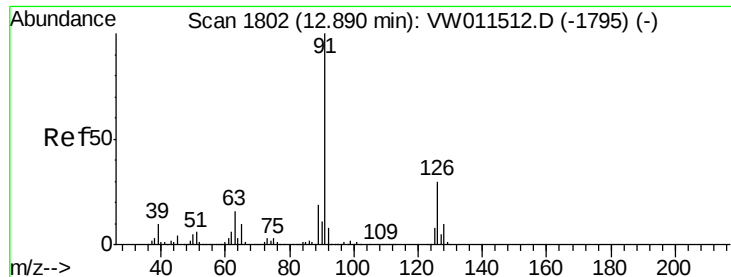
MMDadoda
8/23/2019 10:54:52 AM



#78
n-propylbenzene
Concen: 22.080 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 21.465 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 91 Resp: 169904

Ion Ratio Lower Upper

91 100

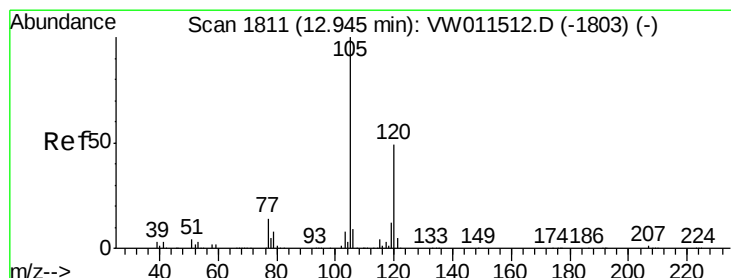
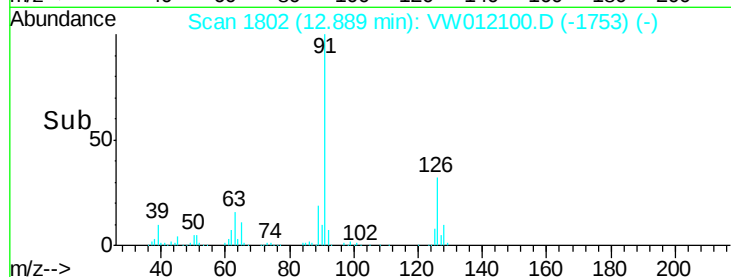
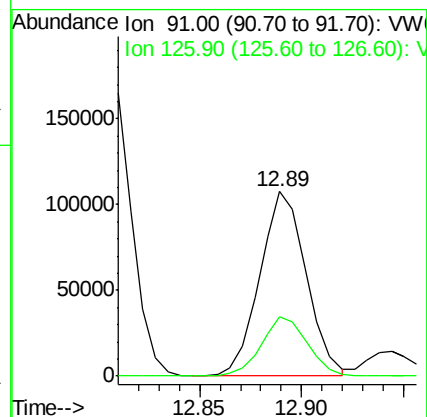
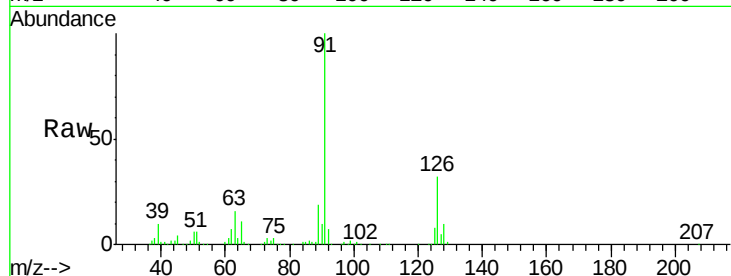
126 32.2 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.848 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012100.D

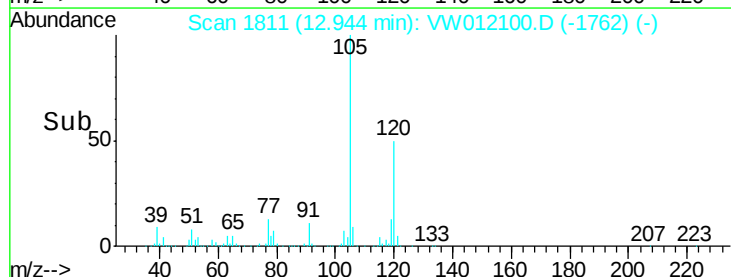
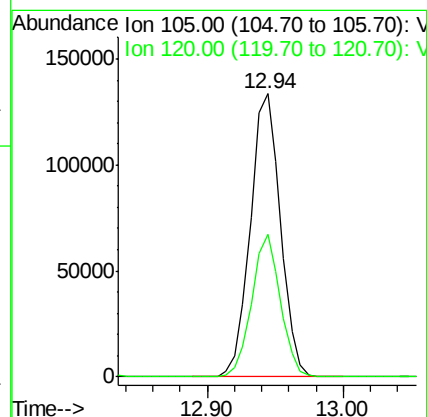
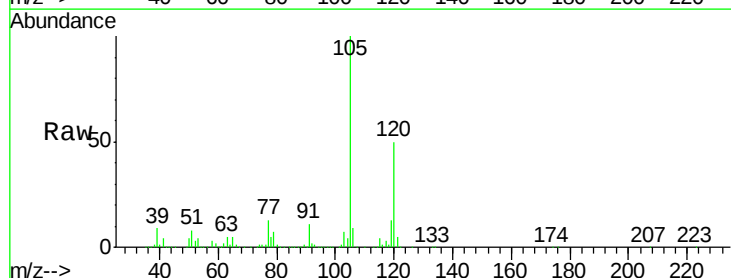
Acq: 22 Aug 2019 10:40

Tgt Ion:105 Resp: 206762

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3





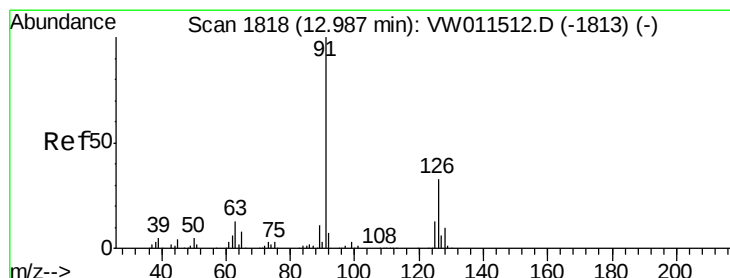
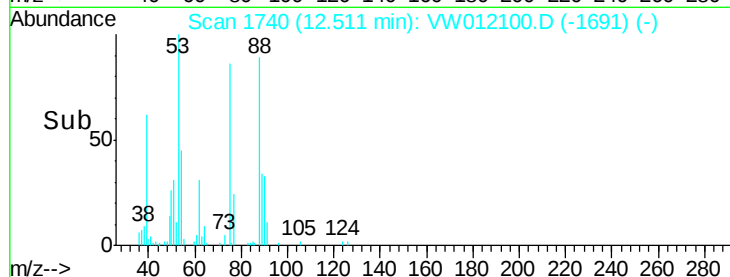
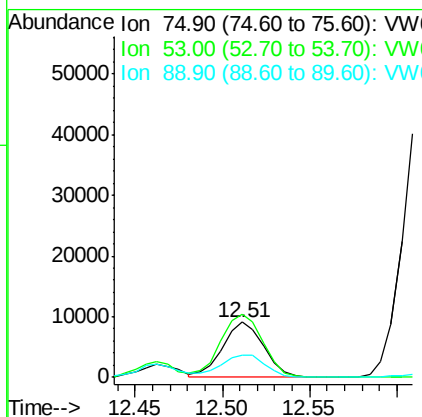
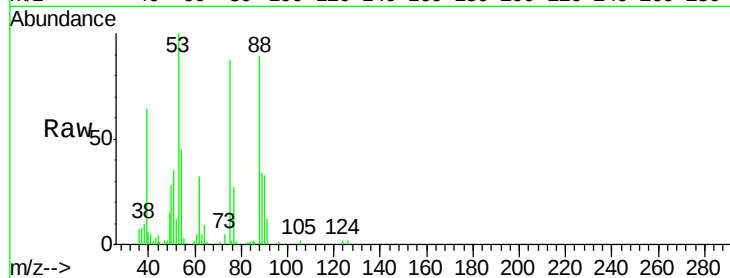
#81
trans-1,4-Dichloro-2-butene
Concen: 21.439 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.4	88.0	132.0
89	43.3	35.3	52.9

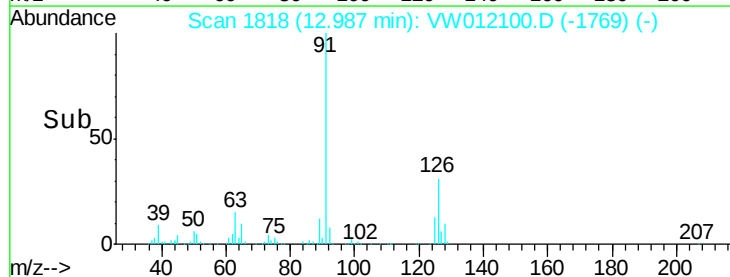
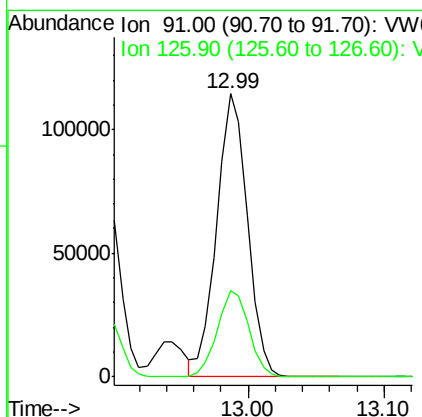
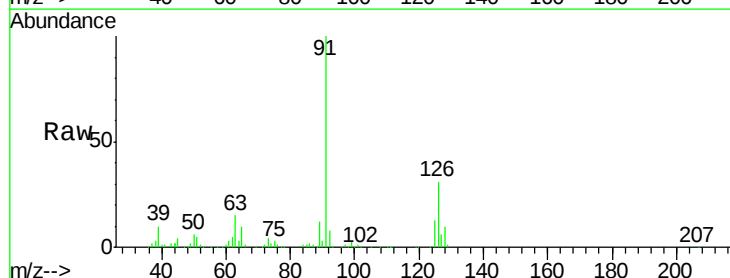
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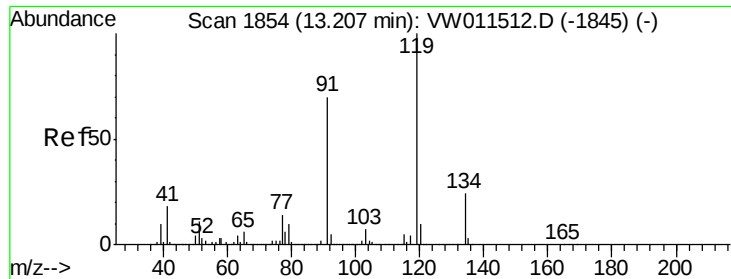
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.676 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





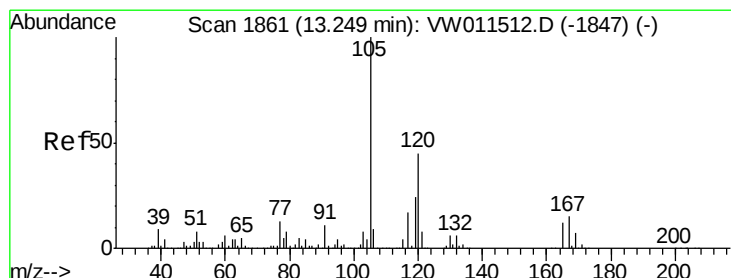
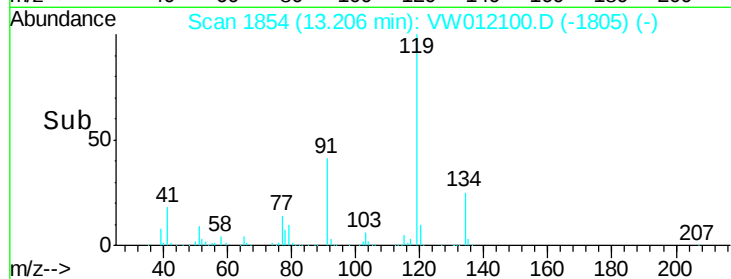
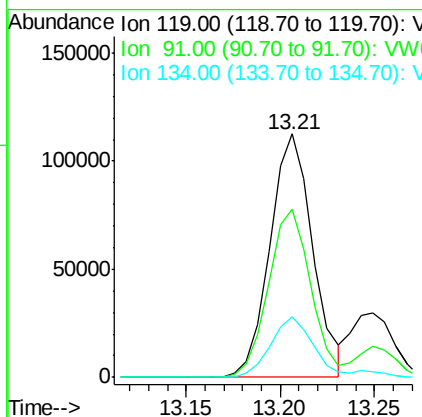
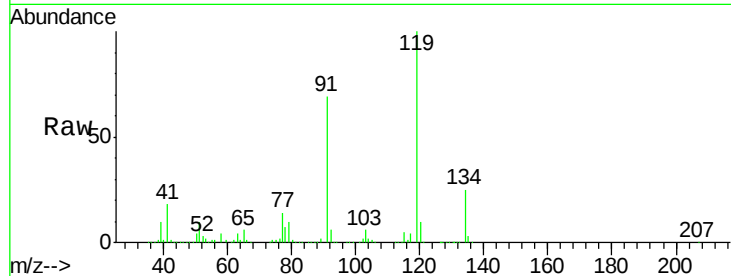
#83
tert-Butylbenzene
Concen: 22.339 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.5	103.6
134	24.8	12.4	37.4

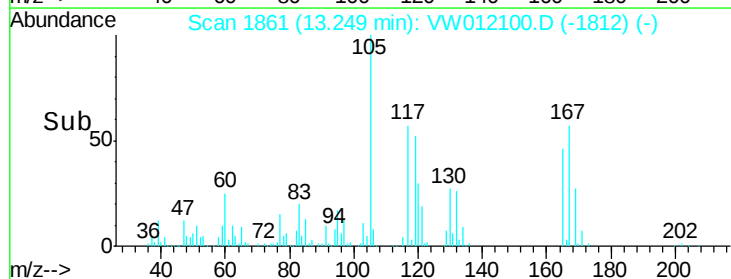
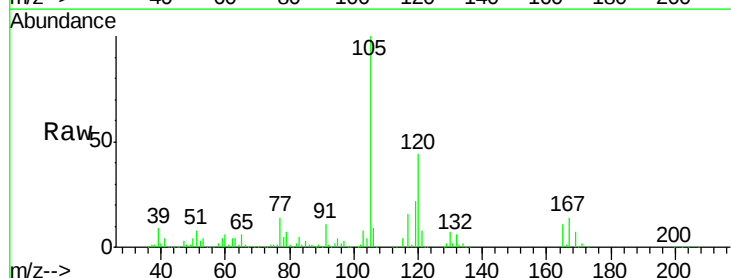
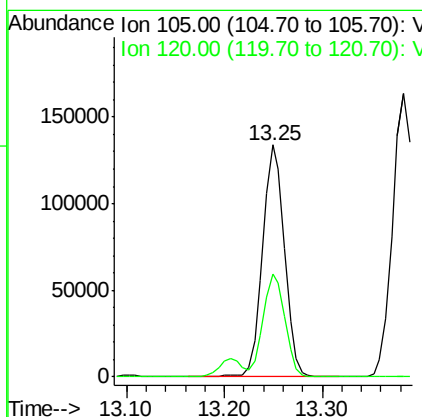
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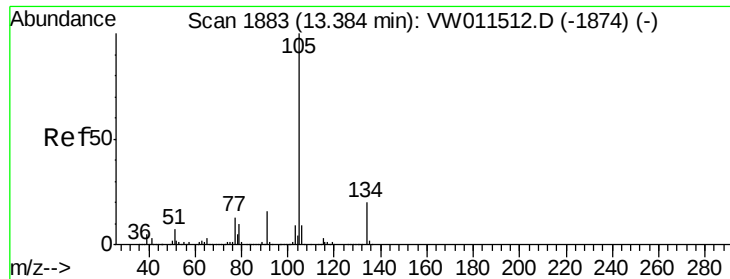
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.790 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 22.093 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion:105 Resp: 249475

Ion Ratio Lower Upper

105 100

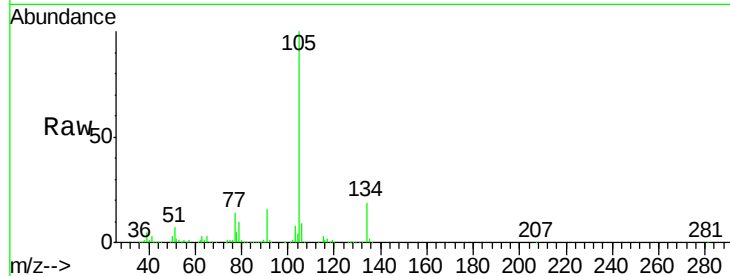
134 19.7 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

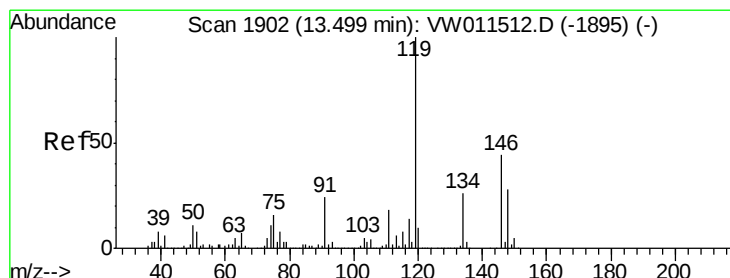
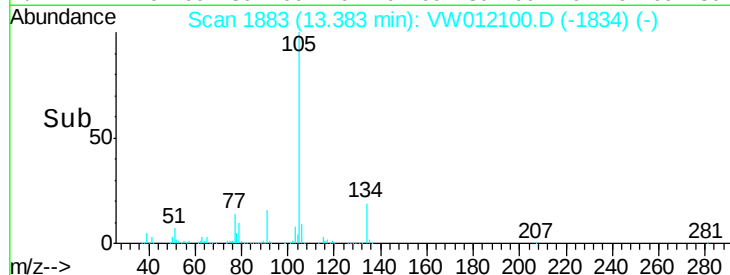
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.082 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

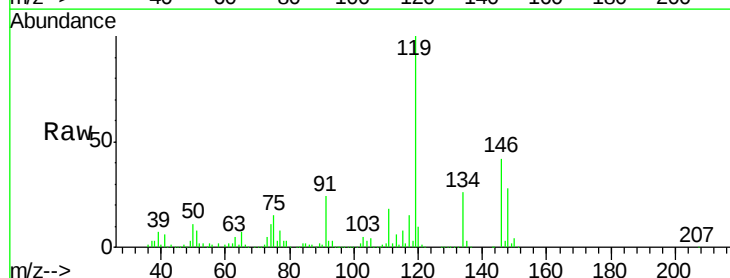
Tgt Ion:119 Resp: 226238

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

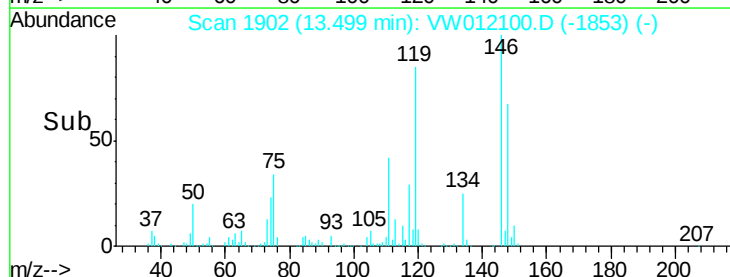
150000

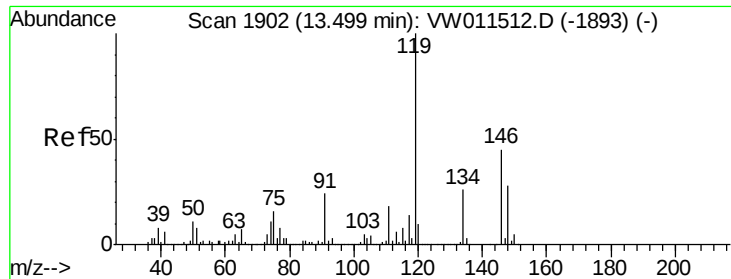
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.275 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

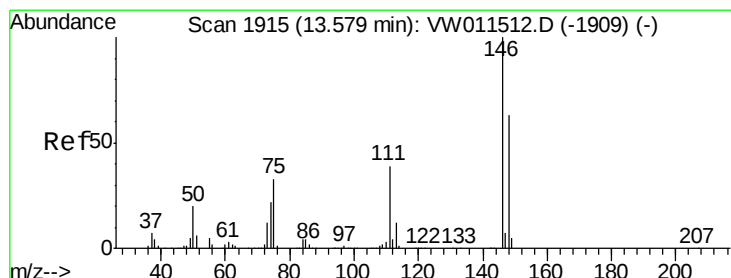
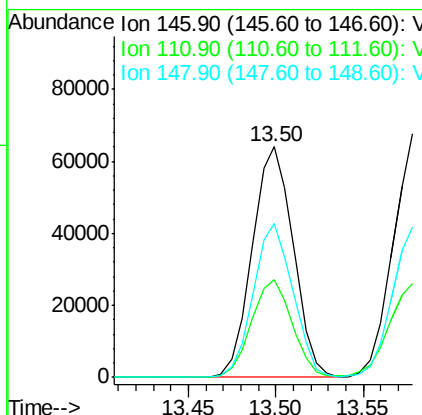
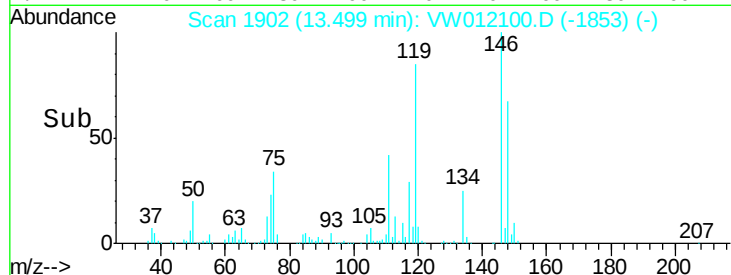
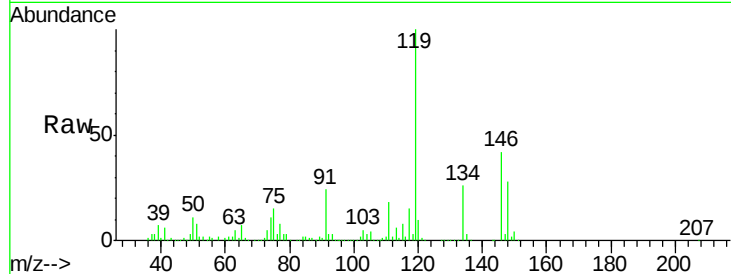
Instrument :
MSVOA_W

ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	104096		
111	42.2	20.5	61.6	
148	64.5	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 21.256 ug/l

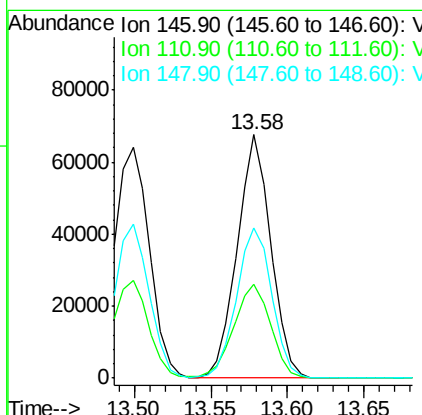
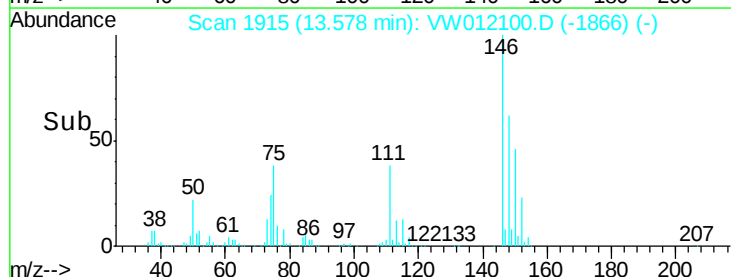
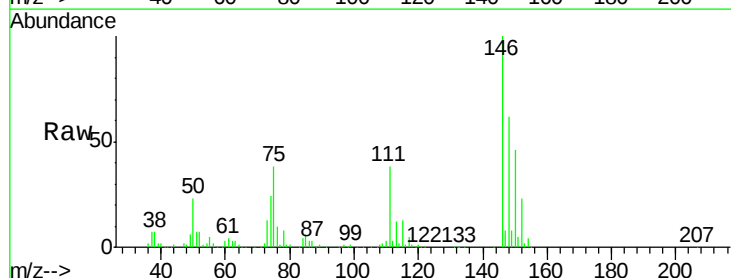
RT: 13.58 min Scan# 1915

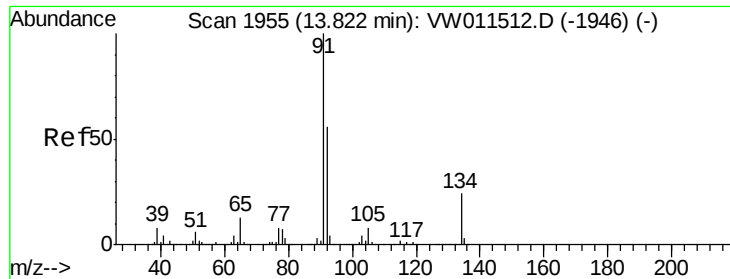
Delta R.T. -0.00 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103458		
111	42.2	20.1	60.2	
148	64.8	31.9	95.9	





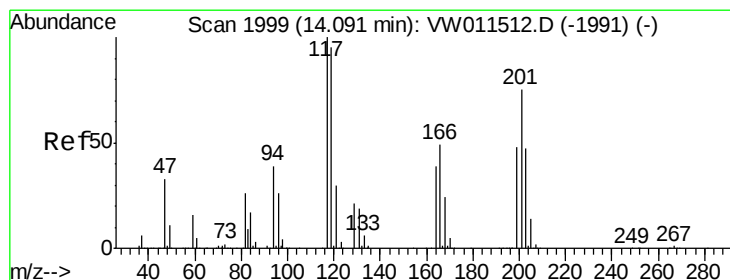
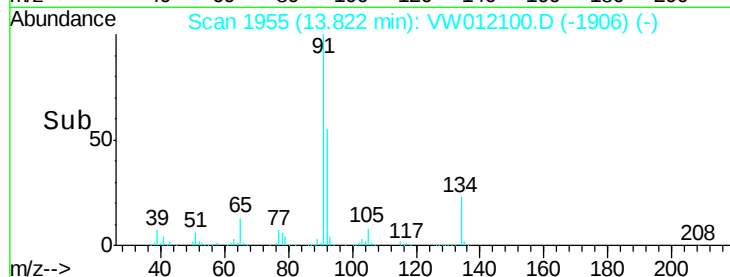
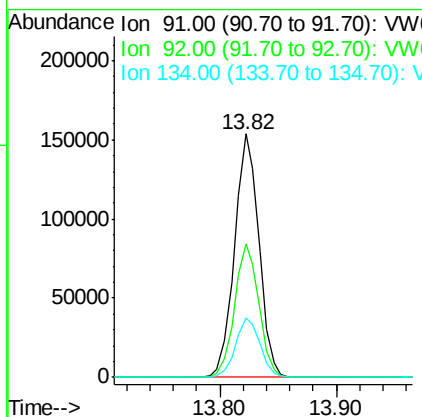
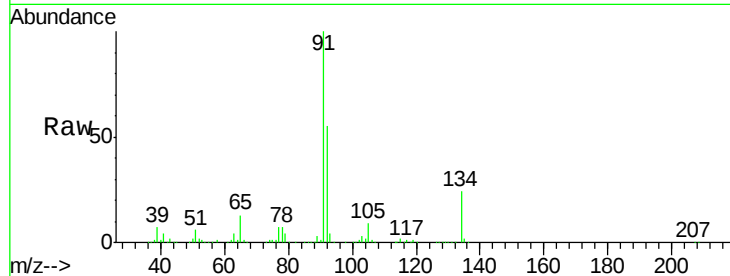
#89
n-Butylbenzene
Concen: 21.905 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	223967		
92	54.3		27.5	82.4
134	24.4		12.2	36.6

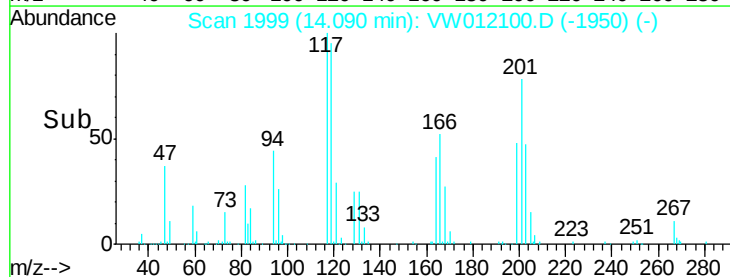
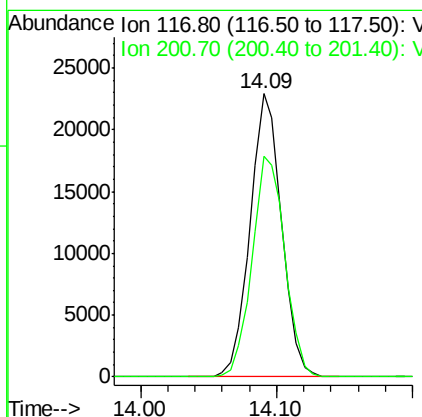
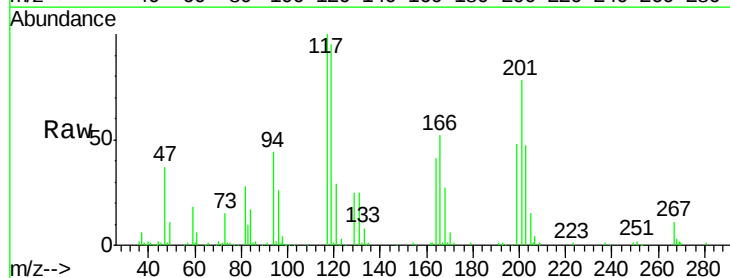
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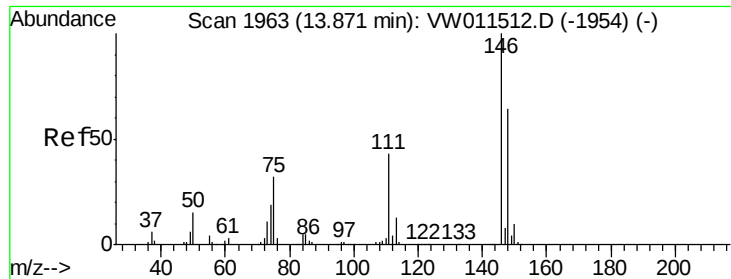
MMDadoda
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#90
Hexachloroethane
Concen: 20.548 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012100.D
Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37227		
201	80.9		39.4	118.2





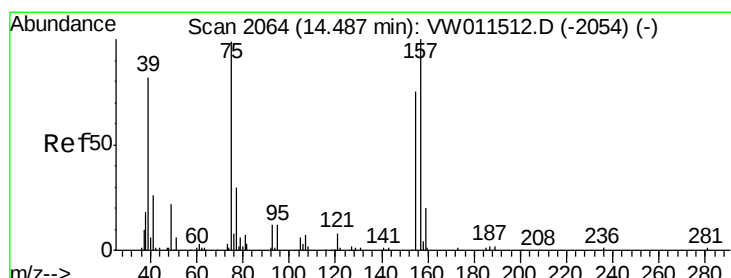
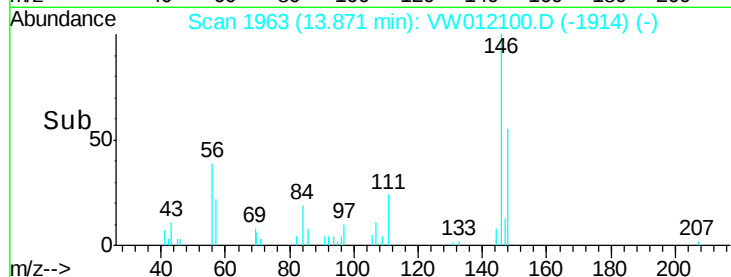
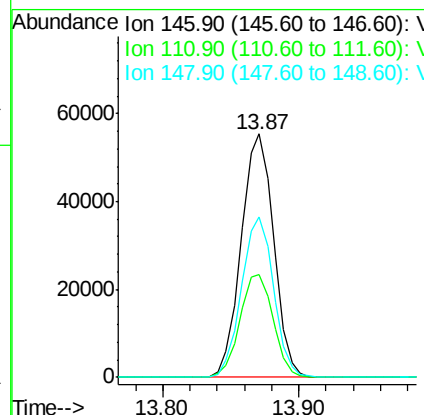
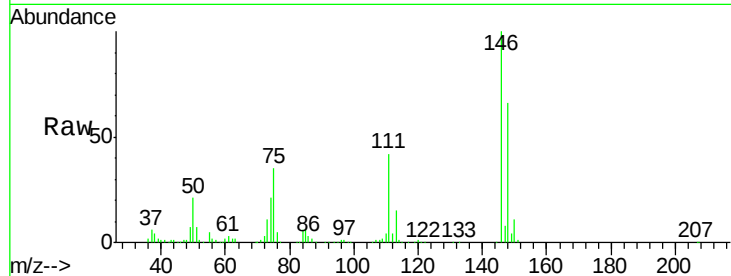
#91
 1,2-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	65.1	32.0	96.2

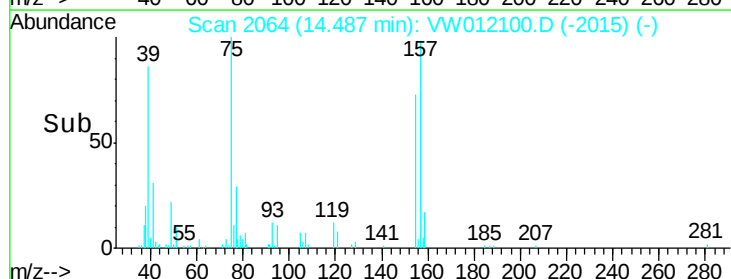
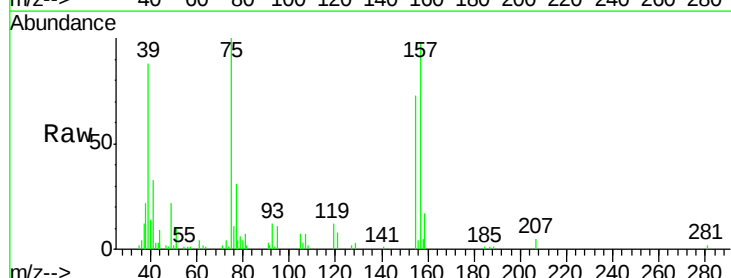
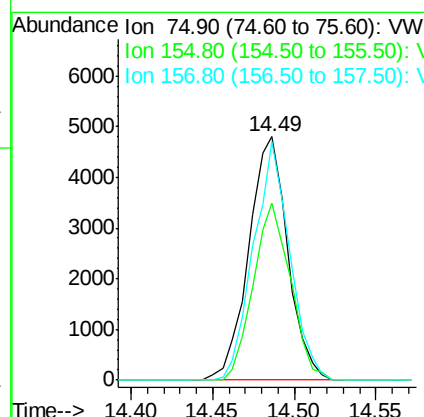
Manual Integrations
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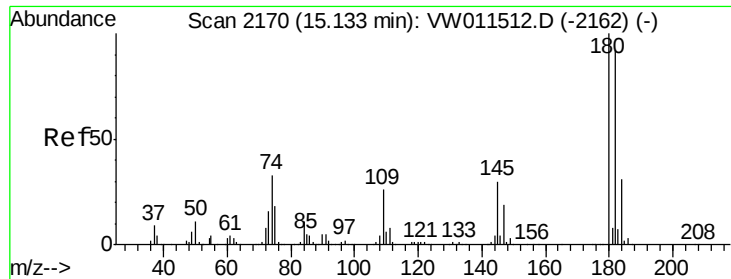
MMDadoda
 8/23/2019 10:54:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.011 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	38.2	114.6
157	90.8	48.9	146.7





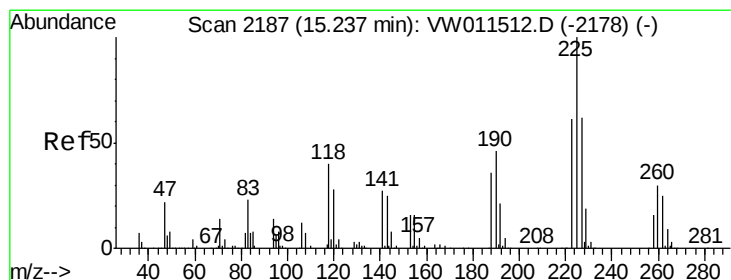
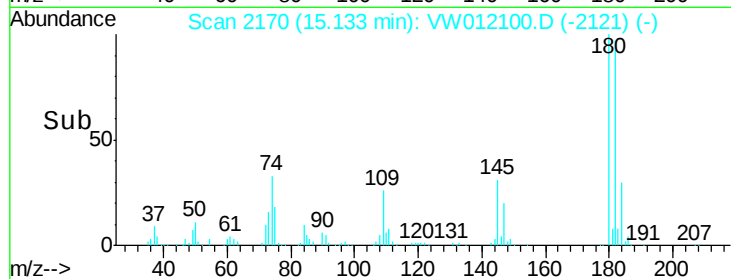
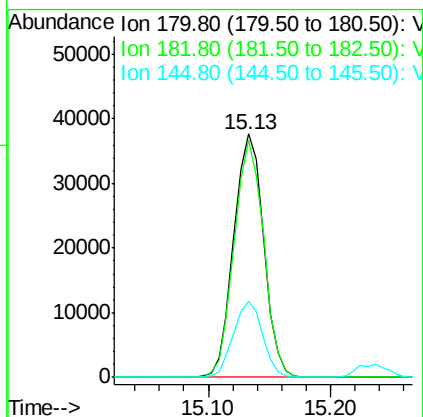
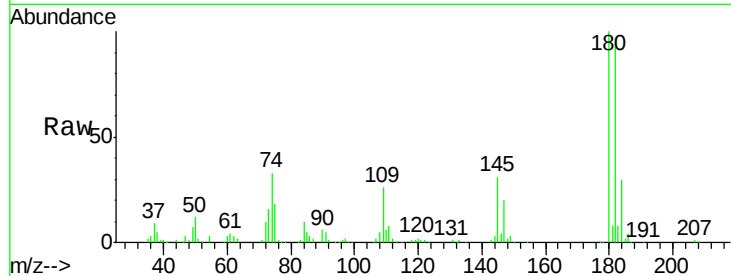
#93
 1,2,4-Trichlorobenzene
 Concen: 20.871 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63654		
182	96.3	47.4	142.2	
145	30.6	15.4	46.1	

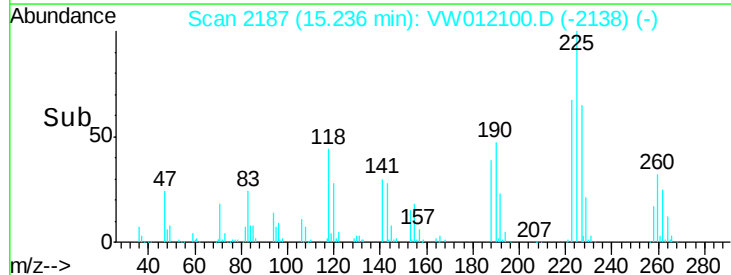
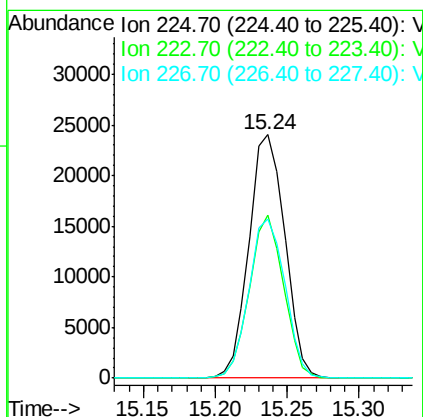
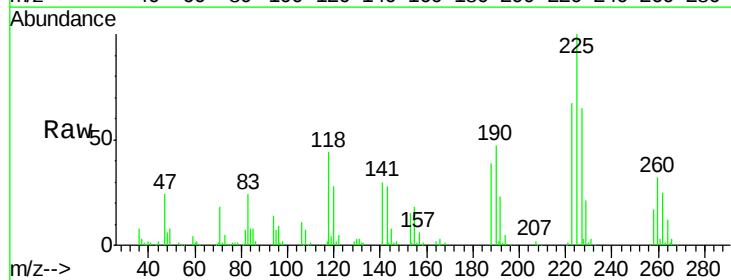
Manual Integrations
 APPROVED

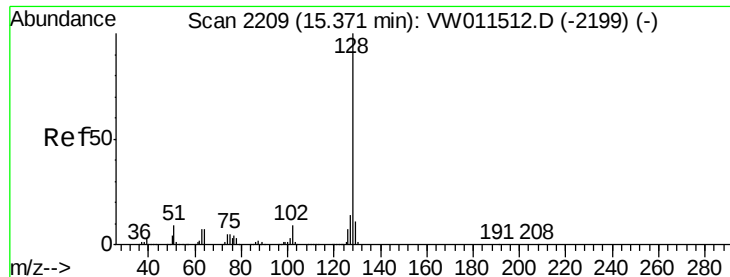
MMDadoda
 8/23/2019 10:54:52 AM



#94
 Hexachlorobutadiene
 Concen: 21.850 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012100.D
 Acq: 22 Aug 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41559		
223	63.6	30.8	92.3	
227	65.6	31.6	94.7	





#95

Naphthalene

Concen: 20.455 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Instrument :

MSVOA_W

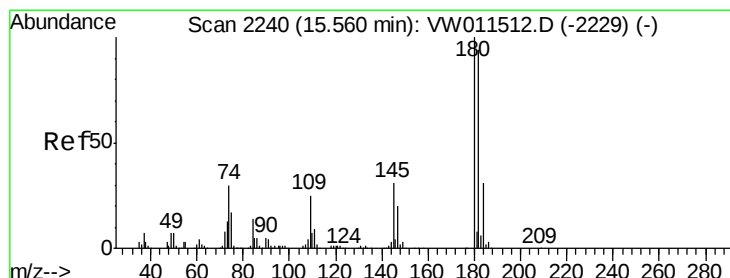
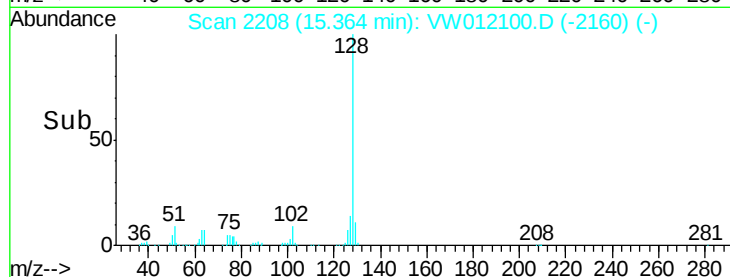
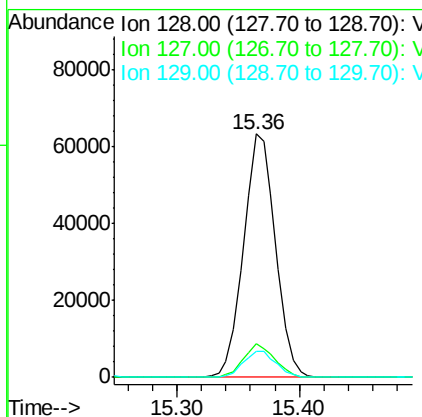
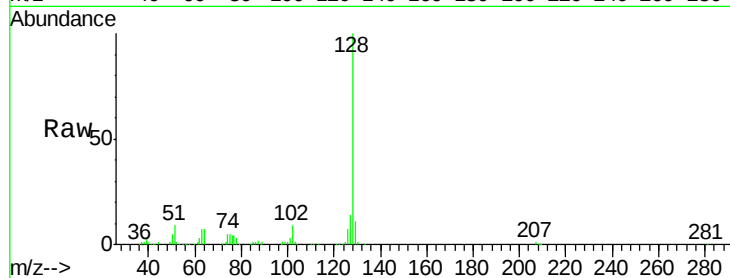
ClientSampleId :

VW0822SBS01

Tot Ion:	128	Resp:	114599
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 10:54:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.322 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012100.D

Acq: 22 Aug 2019 10:40

Tgt Ion:	180	Resp:	57003
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.2
145	31.9	15.9	47.7

