

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008144.D
 Acq On : 10 Jan 2019 13:15
 Operator : SY/AP
 Sample : VW0110SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:27:36 PM

Quant Time: Jan 11 05:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	63115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	37374	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	34909	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.32	98	148615	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.62	95	50661	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	9722	18.874	ug/l	97
3) Chloromethane	2.21	50	15447	23.115	ug/l	99
4) Vinyl Chloride	2.37	62	20944	24.013	ug/l	89
5) Bromomethane	2.78	94	18176	27.819	ug/l	99
6) Chloroethane	2.92	64	14336	21.843	ug/l	95
7) Trichlorofluoromethane	3.26	101	15429	21.759	ug/l	93
8) Diethyl Ether	3.68	74	8691	21.681	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15086	21.429	ug/l	94
10) Methyl Iodide	4.26	142	20769	20.242	ug/l	97
11) Tert butyl alcohol	5.21	59	5034	99.460	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	14527	21.018	ug/l	96
13) Acrolein	3.89	56	4063	85.046	ug/l	93
14) Allyl chloride	4.65	41	28466	22.684	ug/l	97
15) Acrylonitrile	5.37	53	18222	119.401	ug/l	99
16) Acetone	4.14	43	17258	124.754	ug/l	94
17) Carbon Disulfide	4.37	76	46448	21.512	ug/l	98
18) Methyl Acetate	4.67	43	10167	22.677	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	24448	21.757	ug/l	99
20) Methylene Chloride	4.91	84	18019	23.225	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	16426	21.869	ug/l	91
22) Diisopropyl ether	6.31	45	56212	23.487	ug/l	95
23) Vinyl Acetate	6.26	43	150559	119.780	ug/l	100
24) 1,1-Dichloroethane	6.21	63	32478	23.290	ug/l	99
25) 2-Butanone	7.17	43	24304	123.142	ug/l	100
26) 2,2-Dichloropropane	7.17	77	20866	22.084	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	19019	23.208	ug/l	98
28) Bromochloromethane	7.51	49	12499	22.661	ug/l	97
29) Tetrahydrofuran	7.53	42	15502	117.584	ug/l	97
30) Chloroform	7.67	83	31251	23.544	ug/l	100
31) Cyclohexane	7.95	56	31526	21.118	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	25998	22.510	ug/l	97
36) 1,1-Dichloropropene	8.08	75	25568	21.422	ug/l	99
37) Ethyl Acetate	7.25	43	10577	22.120	ug/l	98
38) Carbon Tetrachloride	8.07	117	22800	20.871	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31580	20.867	ug/l	94
40) Benzene	8.32	78	72199	22.302	ug/l	99
41) Methacrylonitrile	7.48	41	6288	20.817	ug/l	99
42) 1,2-Dichloroethane	8.40	62	20381	22.384	ug/l	98
43) Isopropyl Acetate	8.43	43	21196	22.170	ug/l	98
44) Trichloroethene	9.09	130	17760	21.431	ug/l	95
45) 1,2-Dichloropropane	9.37	63	18557	23.118	ug/l	100
46) Dibromomethane	9.46	93	8908	22.597	ug/l	97
47) Bromodichloromethane	9.64	83	21981	21.959	ug/l	97
48) Methyl methacrylate	9.43	41	9947	22.049	ug/l	97
49) 1,4-Dioxane	9.47	88	2592	408.856	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	53047	114.626	ug/l	97
52) Toluene	10.39	92	46188	22.341	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	22440	21.552	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	27313	22.122	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12423	22.446	ug/l	97
56) Ethyl methacrylate	10.65	69	15370	22.424	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22495	22.223	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	37761	106.652	ug/l	98
59) 2-Hexanone	10.97	43	36239	115.796	ug/l	98
60) Dibromochloromethane	11.13	129	13583	22.349	ug/l	100
61) 1,2-Dibromoethane	11.24	107	11384	21.677	ug/l	98
64) Tetrachloroethene	10.86	164	14012	19.970	ug/l	93
65) Chlorobenzene	11.66	112	50086	21.928	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	16146	21.733	ug/l	100
67) Ethyl Benzene	11.73	91	88643	21.210	ug/l	98
68) m/p-Xylenes	11.84	106	68500	42.941	ug/l	99
69) o-Xylene	12.17	106	31585	21.381	ug/l	98
70) Styrene	12.18	104	50803	21.957	ug/l	98
71) Bromoform	12.35	173	7303	21.964	ug/l #	93
73) Isopropylbenzene	12.47	105	86674	20.940	ug/l	98
74) N-amyl acetate	12.27	43	19627	21.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	15072	22.749	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	10474m	21.793	ug/l	
77) Bromobenzene	12.75	156	18082	20.675	ug/l	99
78) n-propylbenzene	12.80	91	108536	21.401	ug/l	100
79) 2-Chlorotoluene	12.90	91	60678	21.445	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	72801	21.403	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4588	22.230	ug/l	99
82) 4-Chlorotoluene	12.99	91	63226	21.216	ug/l	100
83) tert-Butylbenzene	13.21	119	64201	21.335	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	75761	21.596	ug/l	99
85) sec-Butylbenzene	13.39	105	93302	21.166	ug/l	100
86) p-Isopropyltoluene	13.51	119	81587	21.434	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	38210	21.537	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37546	21.093	ug/l	97
89) n-Butylbenzene	13.83	91	80558	21.608	ug/l	98
90) Hexachloroethane	14.10	117	14308	22.254	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	33271	21.338	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2316	21.721	ug/l	98

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ClientSampleId :
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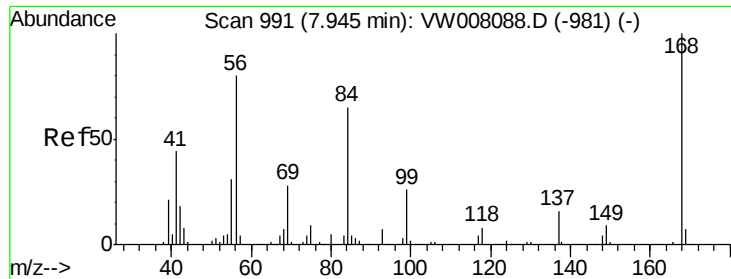
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21672	20.935	ug/l	99
94) Hexachlorobutadiene	15.24	225	11827	21.346	ug/l	99
95) Naphthalene	15.38	128	39197	20.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	18216	20.642	ug/l	95

(#) = 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: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:168 Resp: 63115

Ion Ratio Lower Upper

168 100

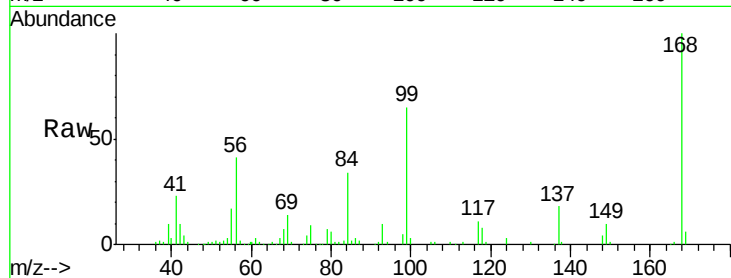
99 65.3 52.6 78.8

Manual Integrations

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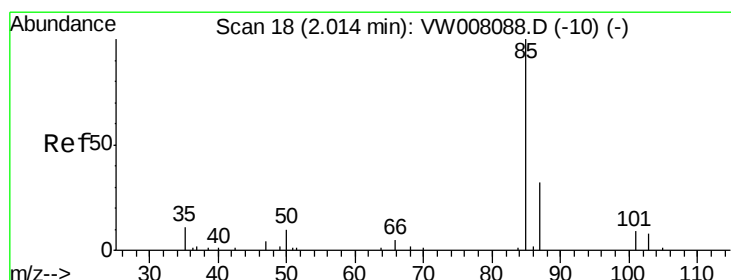
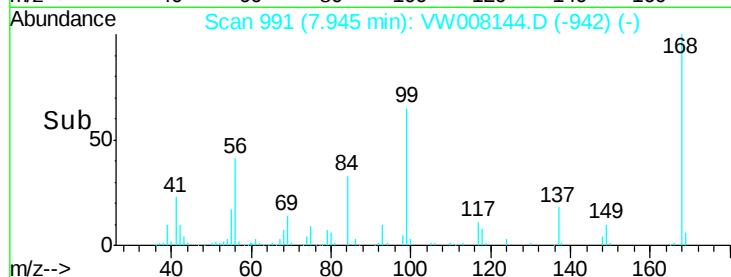
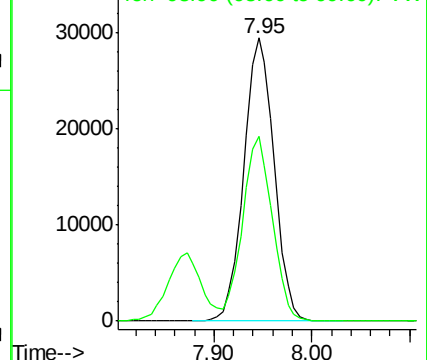
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.874 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008144.D

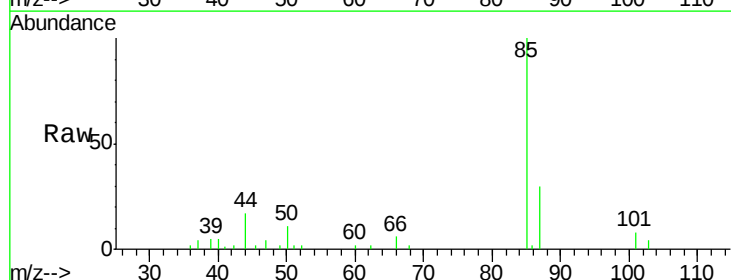
Acq: 10 Jan 2019 13:15

Tgt Ion: 85 Resp: 9722

Ion Ratio Lower Upper

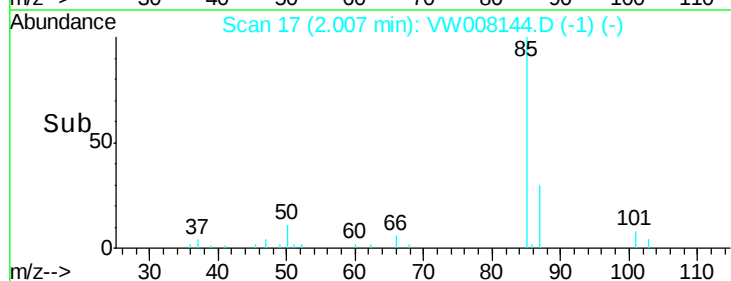
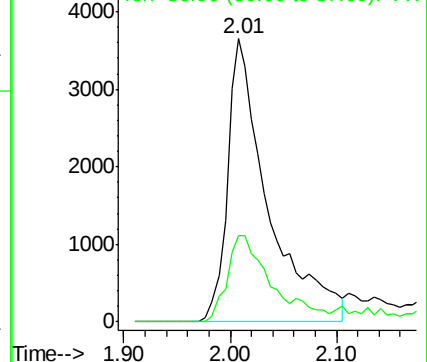
85 100

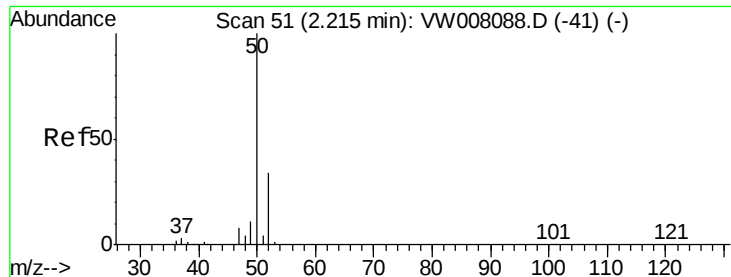
87 30.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 23.115 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 50 Resp: 15447

Ion Ratio Lower Upper

50 100

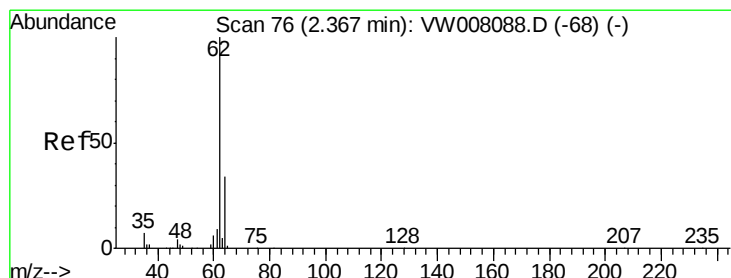
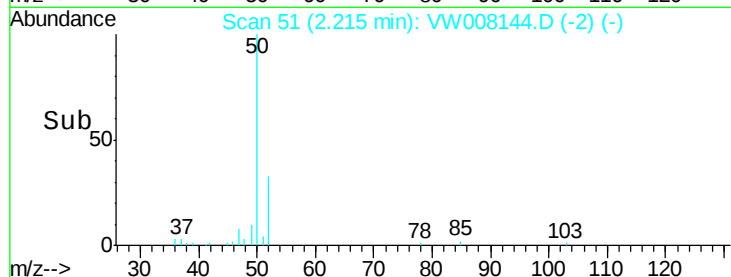
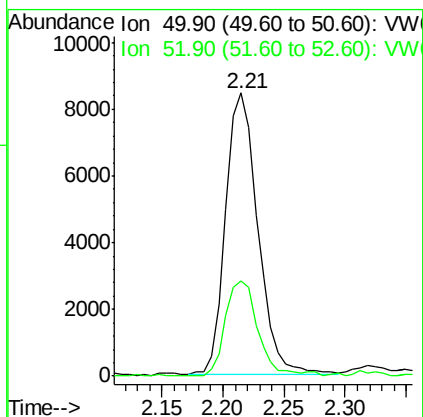
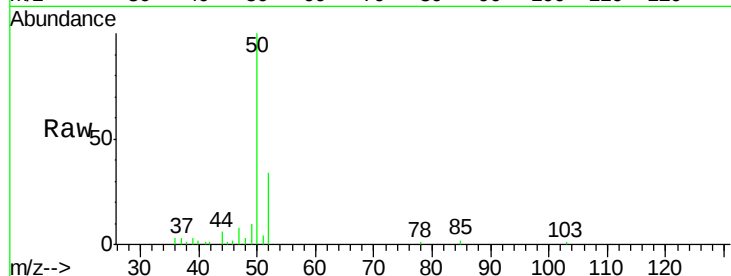
52 34.0 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.013 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008144.D

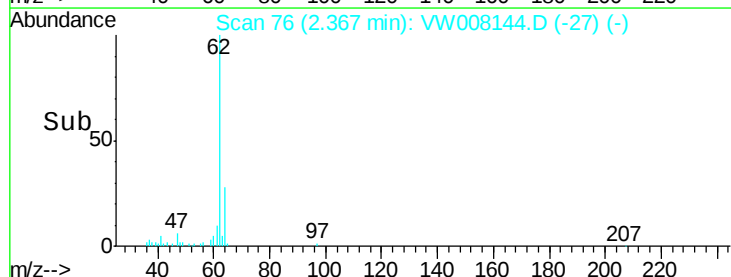
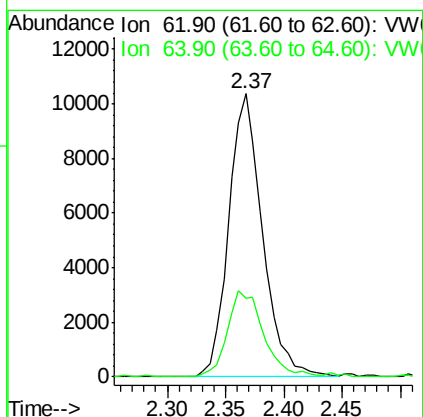
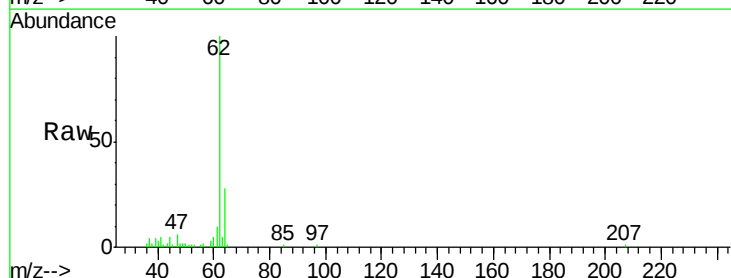
Acq: 10 Jan 2019 13:15

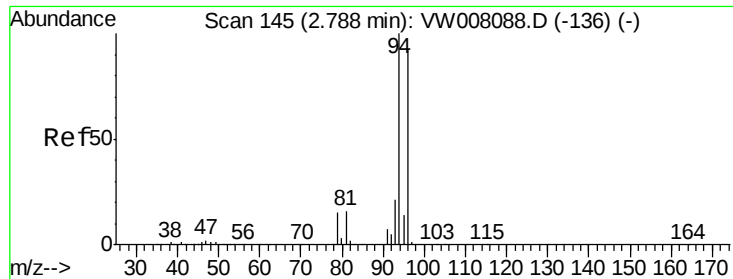
Tgt Ion: 62 Resp: 20944

Ion Ratio Lower Upper

62 100

64 27.7 27.0 40.6





#5

Bromomethane

Concen: 27.819 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 94 Resp: 18176

Ion Ratio Lower Upper

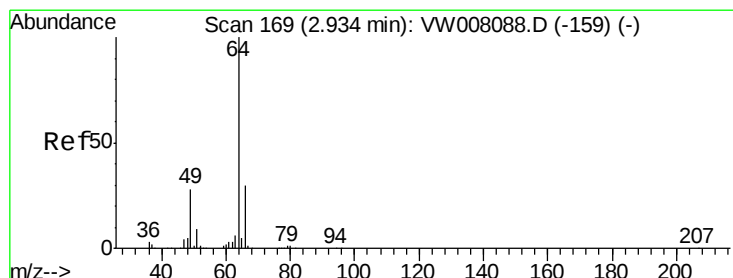
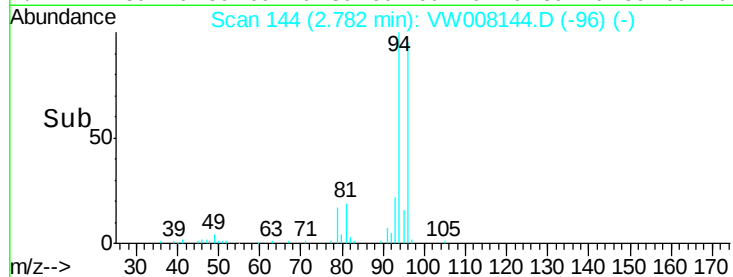
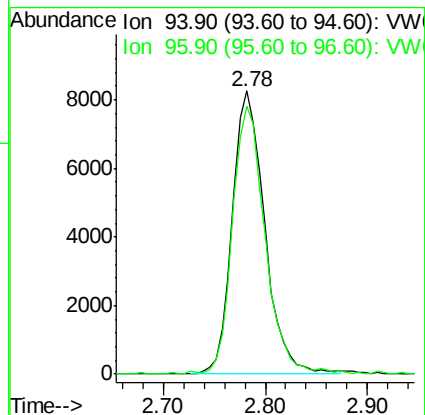
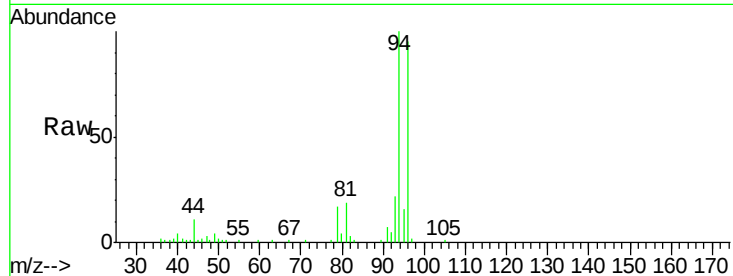
94 100

96 93.9 74.1 111.1

Manual Integrations
APPROVED

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1/11/2019 2:27:36 PM



#6

Chloroethane

Concen: 21.843 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008144.D

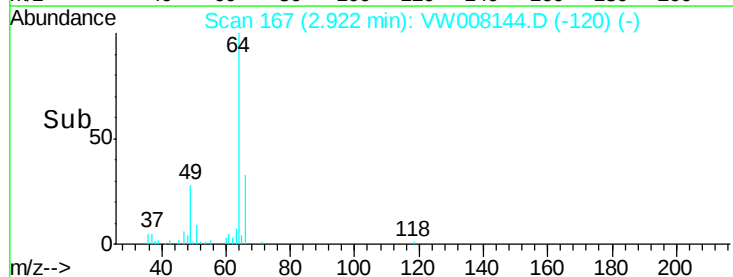
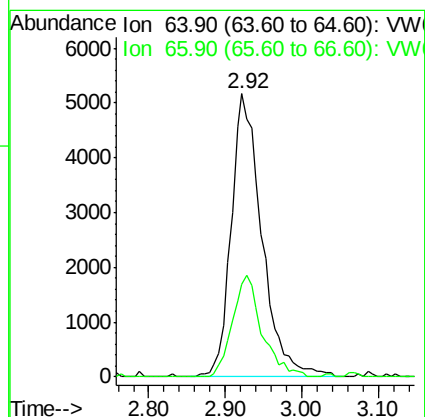
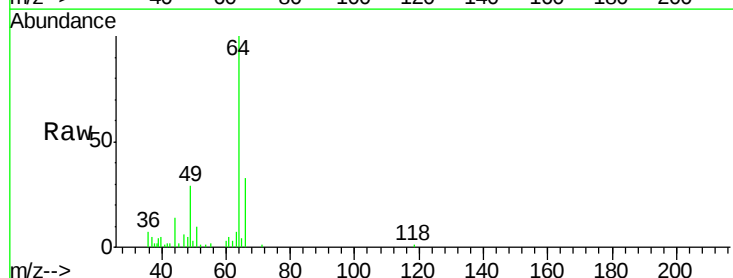
Acq: 10 Jan 2019 13:15

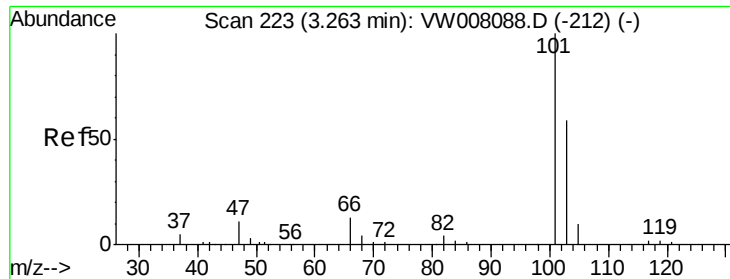
Tgt Ion: 64 Resp: 14336

Ion Ratio Lower Upper

64 100

66 32.8 24.2 36.2





#7

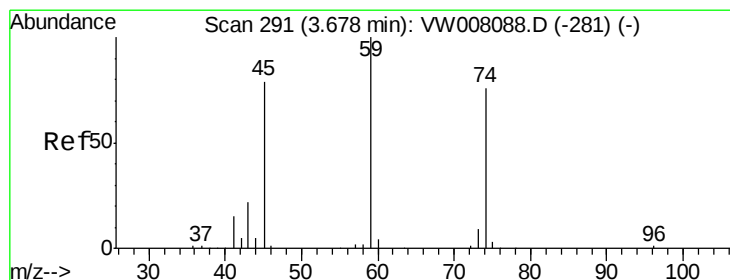
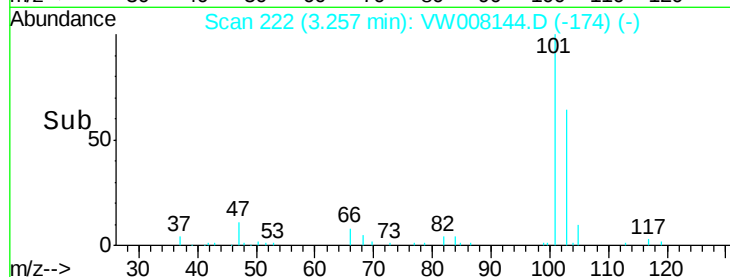
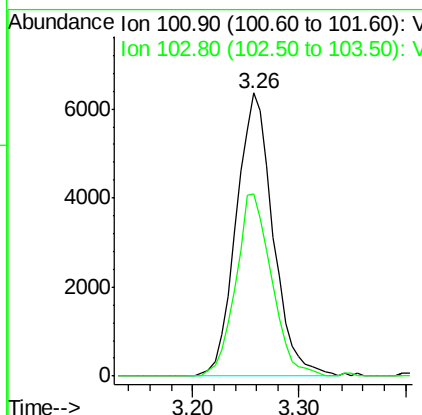
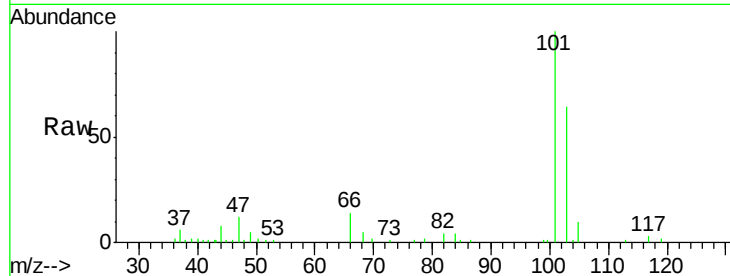
Trichlorofluoromethane
 Concen: 21.759 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

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 VW0110SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	47.0	70.6

Manual Integrations
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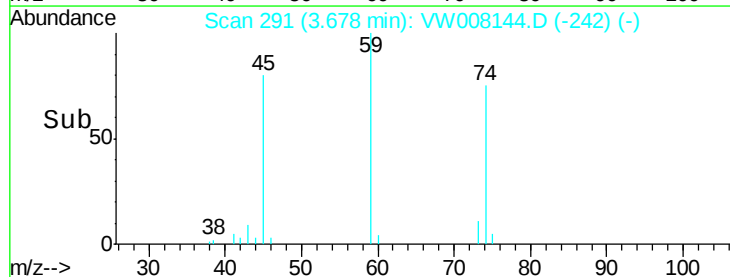
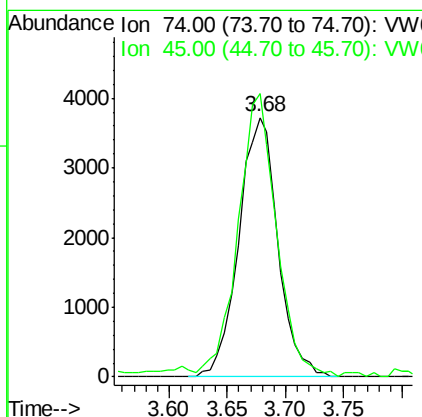
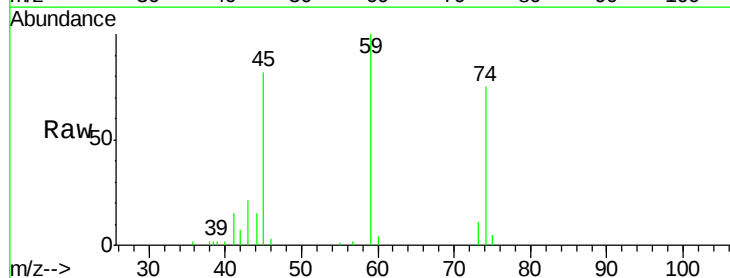
MMDadoda
 1/11/2019 2:27:36 PM

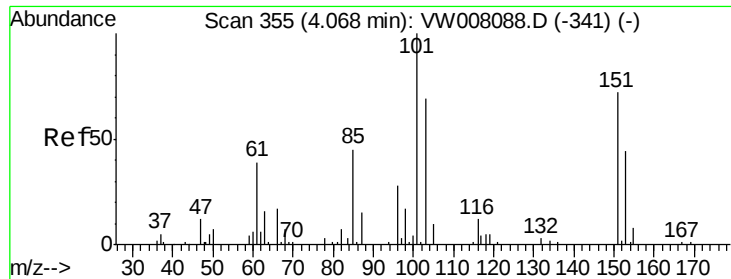


#8

Diethyl Ether
 Concen: 21.681 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.7	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.429 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

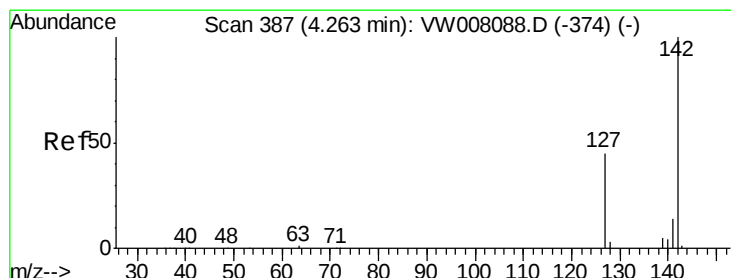
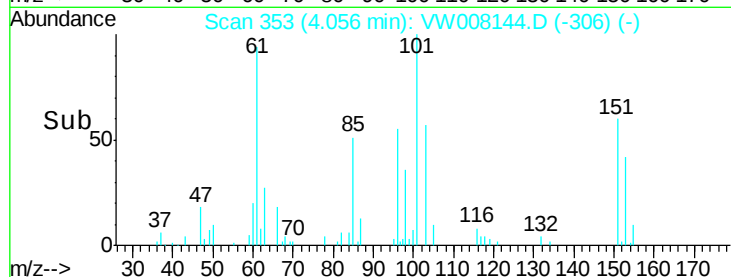
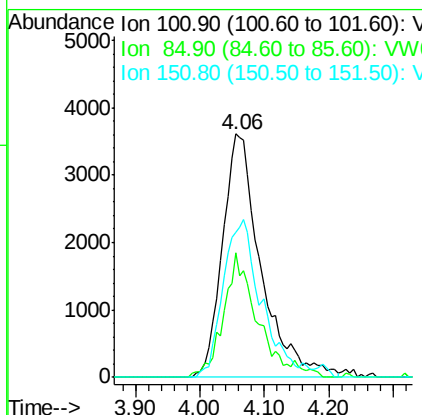
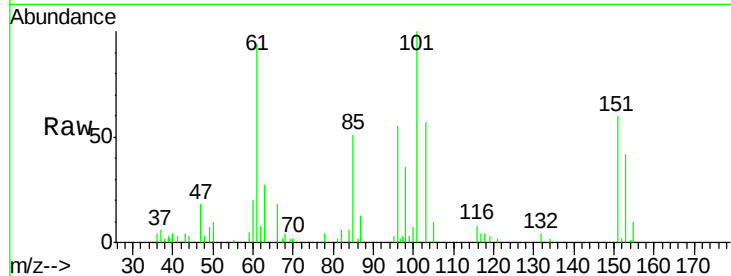
ClientSampleId :

VW0110SBS01

Tot Ion:	101	Resp:	15086
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.9	53.9
151	63.6	55.8	83.8

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#10

Methyl Iodide

Concen: 20.242 ug/l

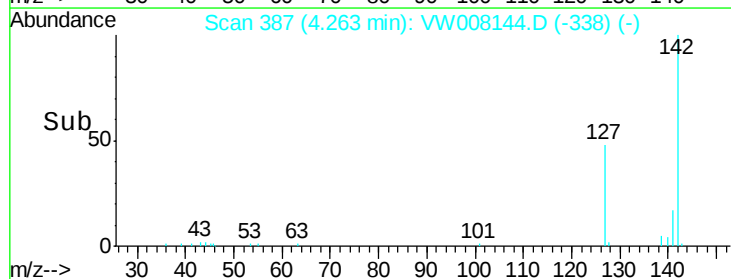
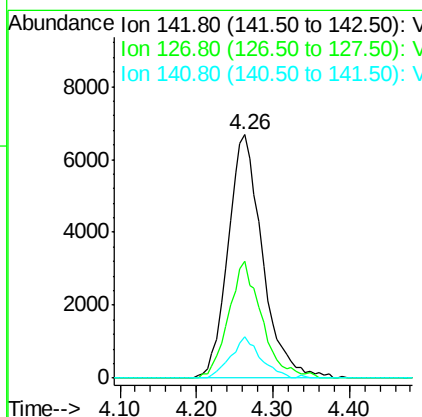
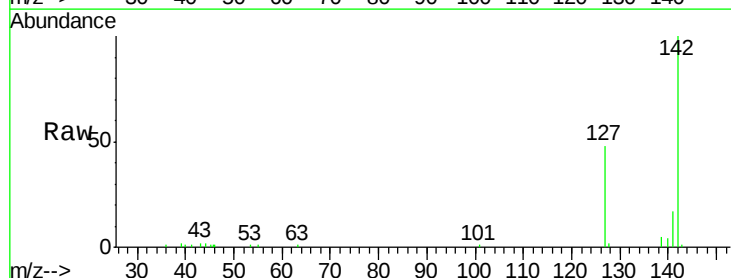
RT: 4.26 min Scan# 387

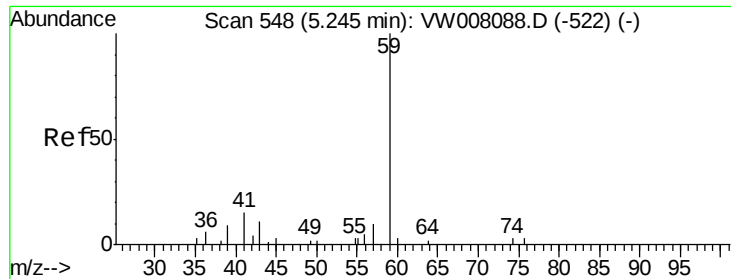
Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	142	Resp:	20769
Ion Ratio	Lower	Upper	
142	100		
127	46.4	35.0	52.4
141	14.7	11.8	17.6





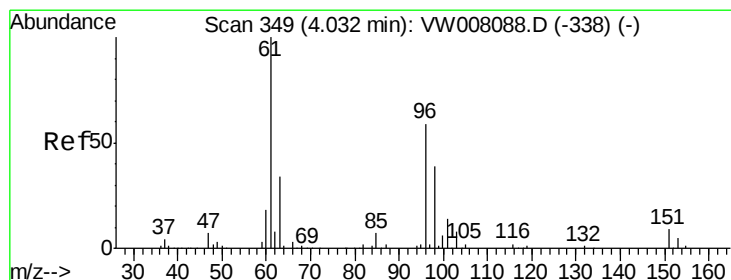
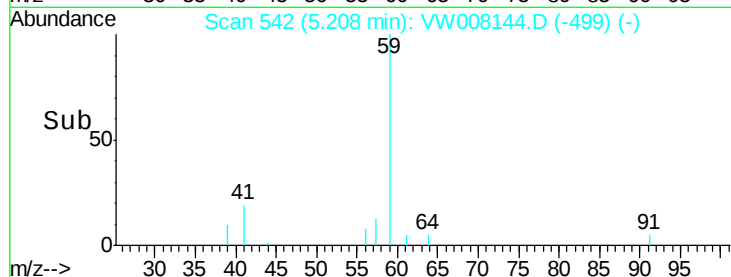
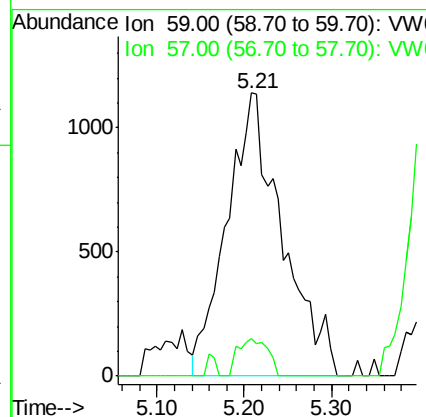
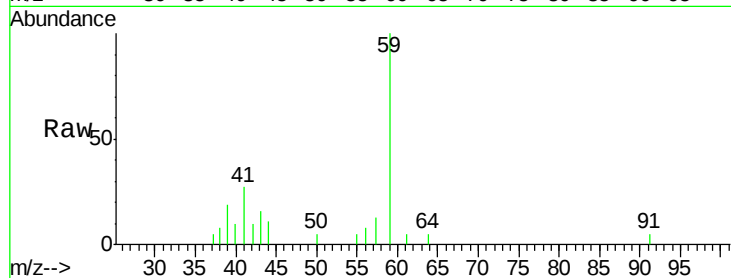
#11
Tert butyl alcohol
Concen: 99.460 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.04 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampled :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.0	0.0	0.0#

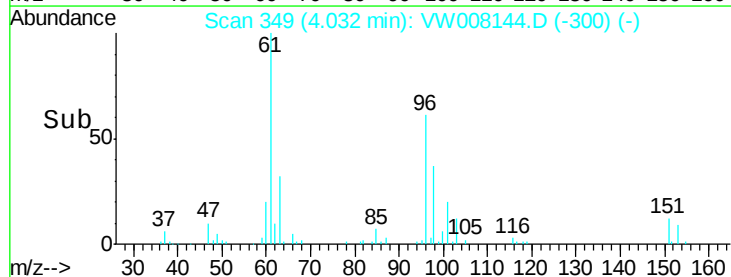
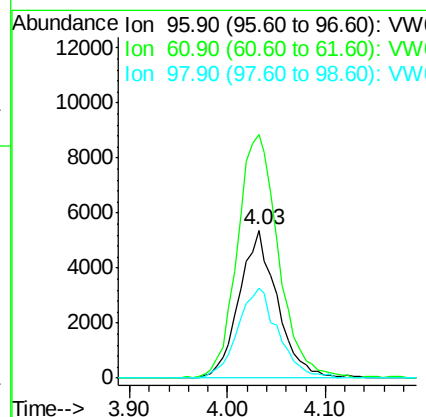
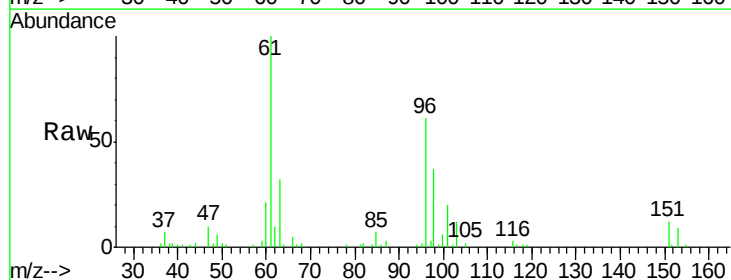
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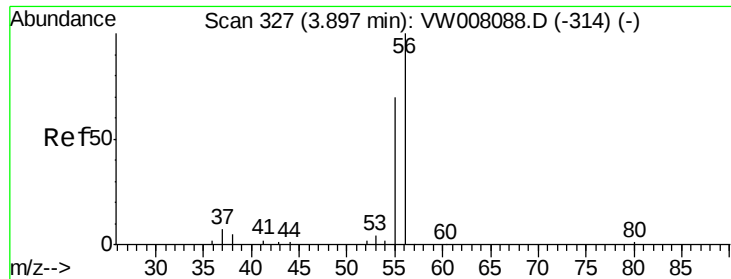
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.018 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	135.4	203.2
98	60.7	52.5	78.7





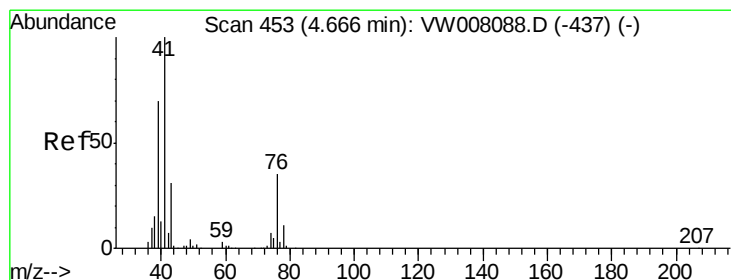
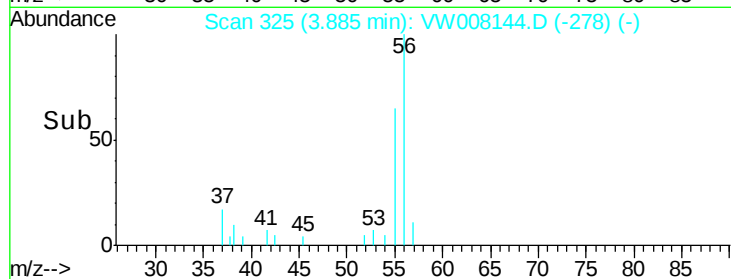
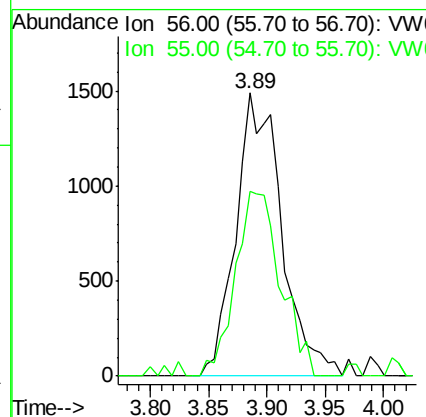
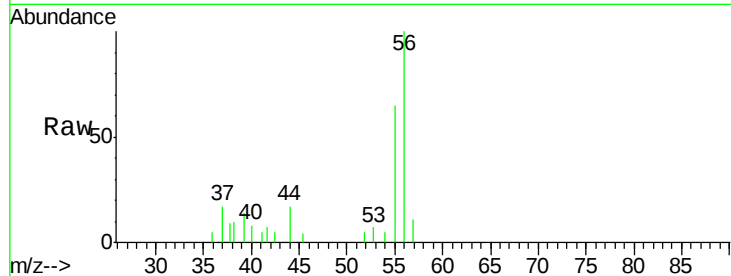
#13
 Acrolein
 Concen: 85.046 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion	56	Resp	4063
Ion Ratio	100	Lower	Upper
55	64.7	56.6	84.8

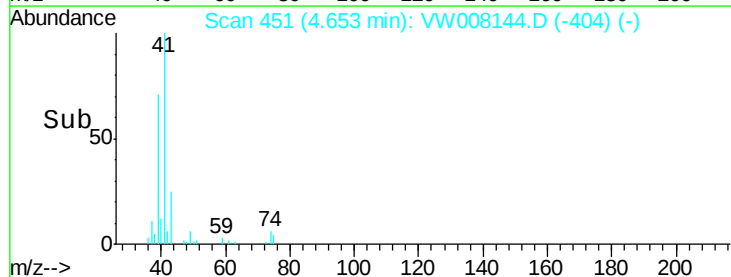
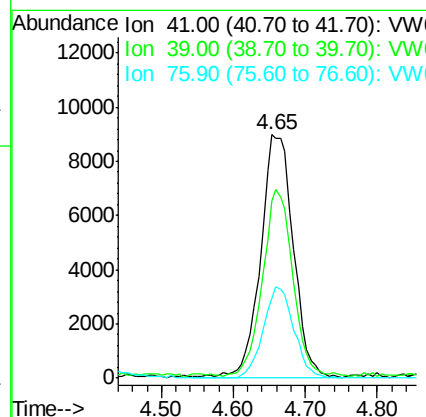
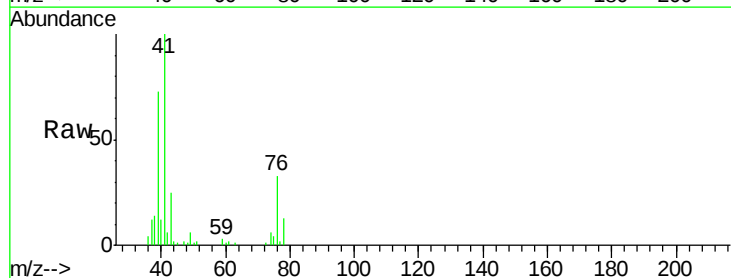
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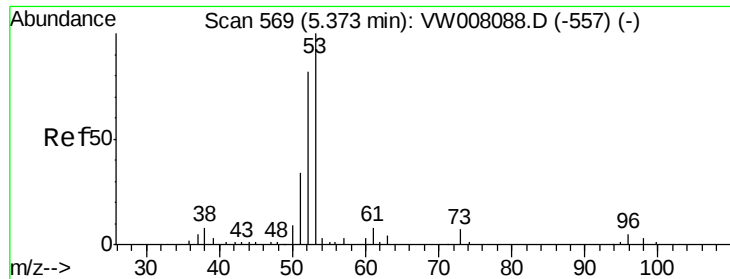
MMDadoda
 1/11/2019 2:27:36 PM



#14
 Allyl chloride
 Concen: 22.684 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Tgt Ion	41	Resp	28466
Ion Ratio	100	Lower	Upper
39	70.8	53.8	80.8
76	34.6	27.6	41.4





#15

Acrylonitrile

Concen: 119.401 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

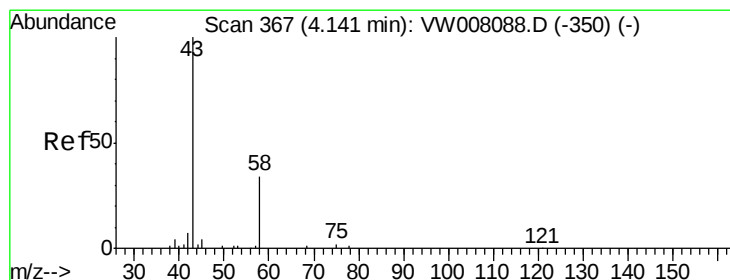
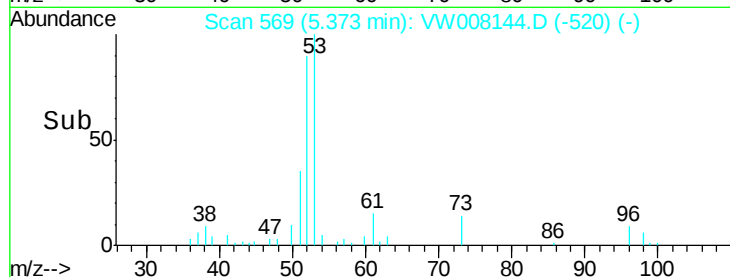
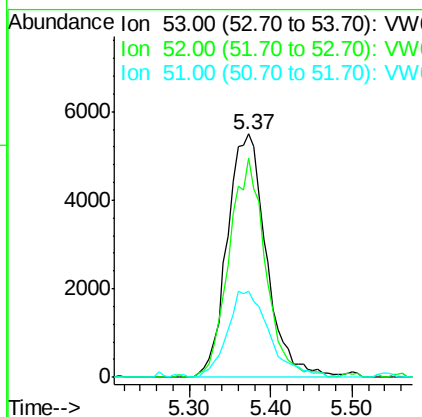
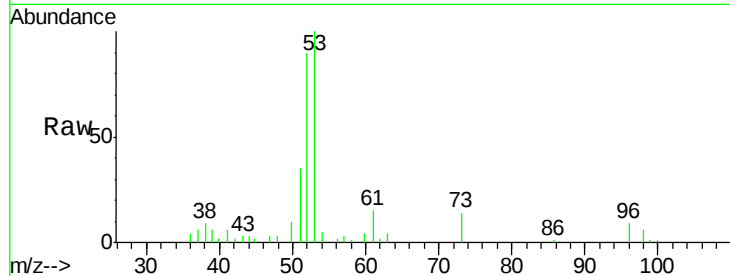
ClientSampleId :

VW0110SBS01

Tot Ion:	53	Resp:	18222
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.8	100.2
51	38.2	29.7	44.5

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#16

Acetone

Concen: 124.754 ug/l

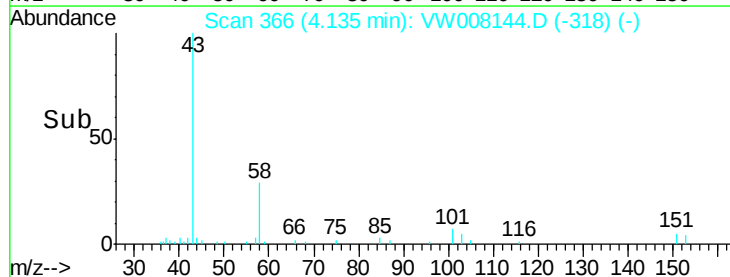
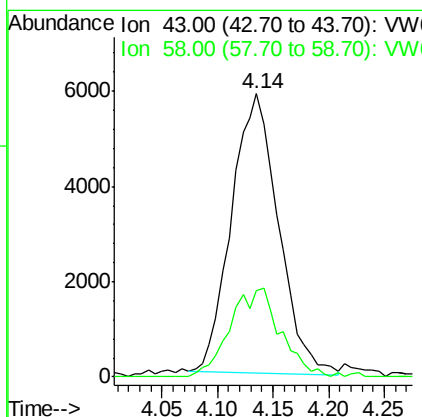
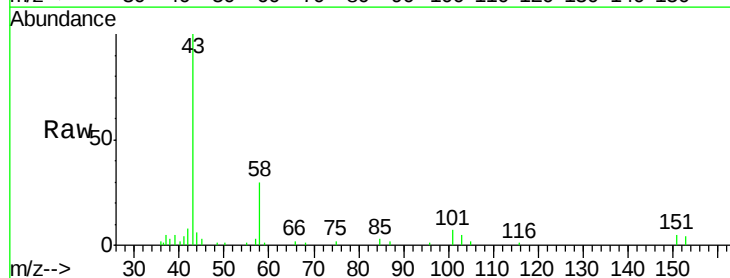
RT: 4.14 min Scan# 366

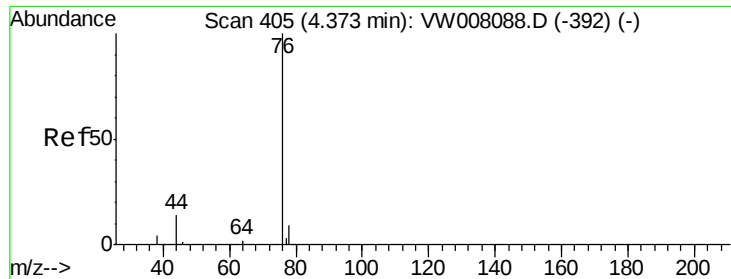
Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	43	Resp:	17258
Ion	Ratio	Lower	Upper
43	100		
58	31.1	27.5	41.3





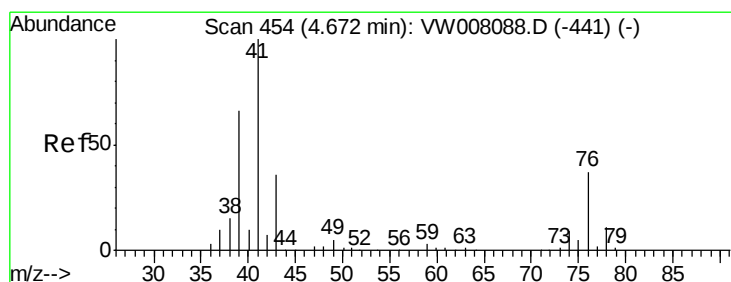
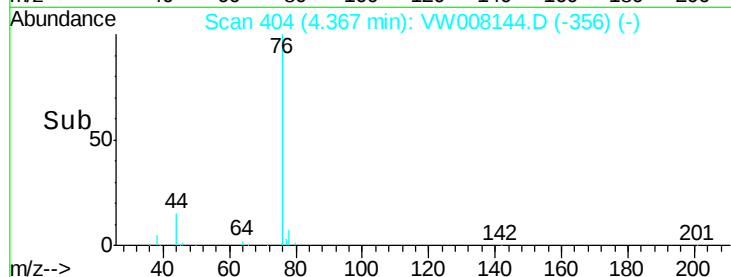
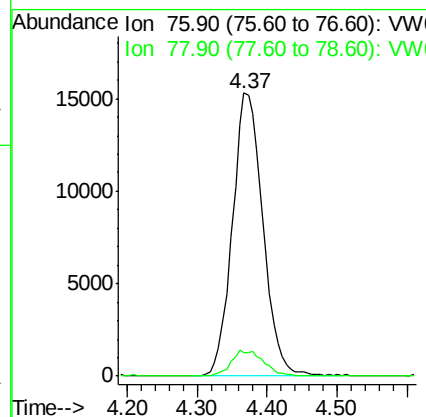
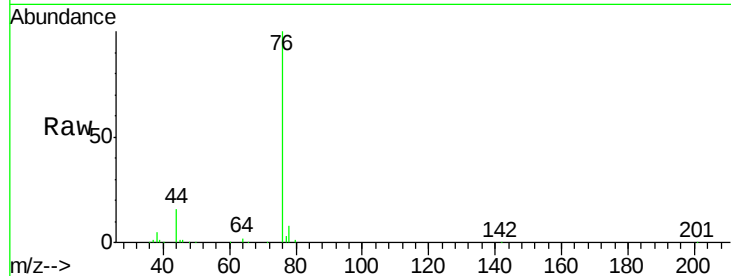
#17
Carbon Disulfide
Concen: 21.512 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.6

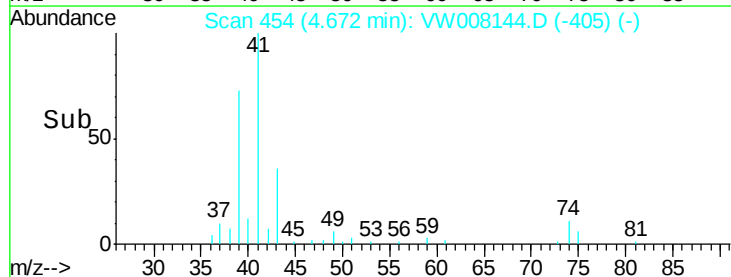
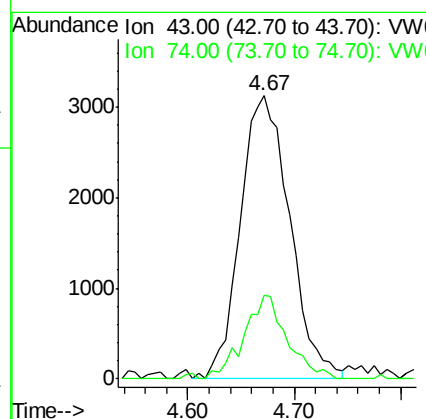
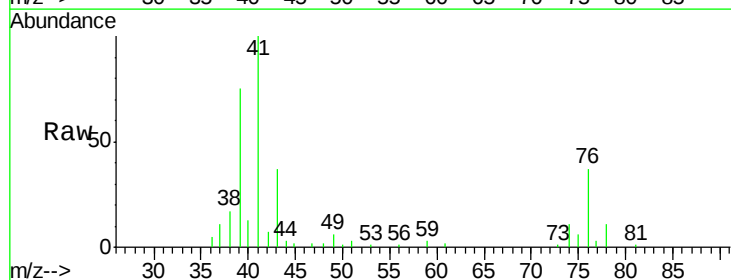
Manual Integrations
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#18
Methyl Acetate
Concen: 22.677 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.0	28.4





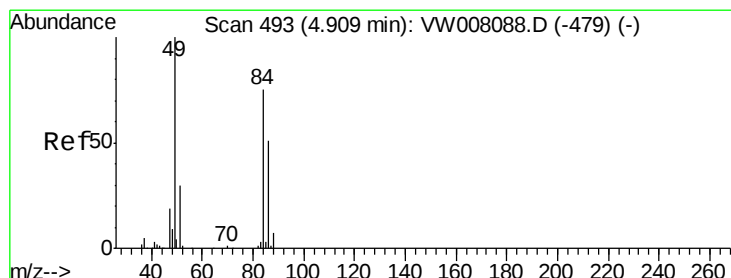
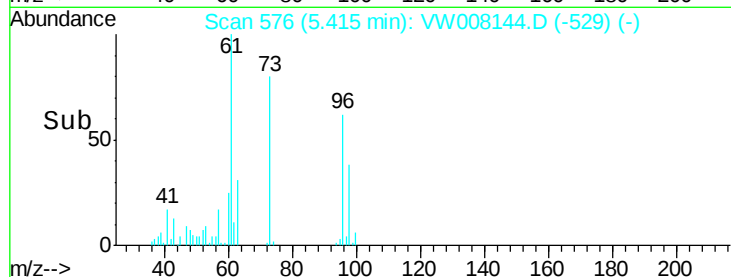
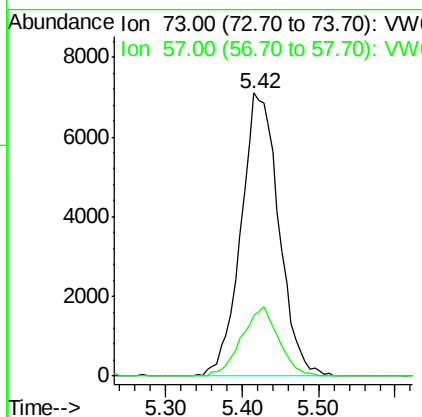
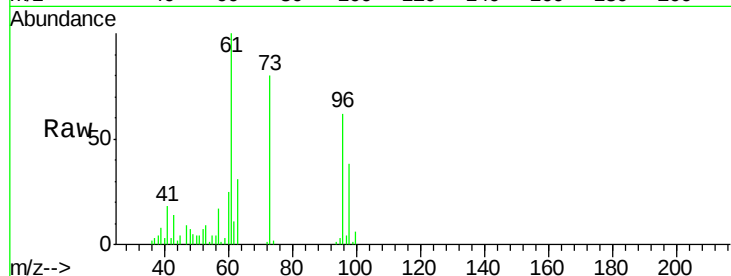
#19
Methvl tert-butvl Ether
Concen: 21.757 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion: 73 Resp: 24448
Ion Ratio Lower Upper
73 100
57 21.4 16.7 25.1

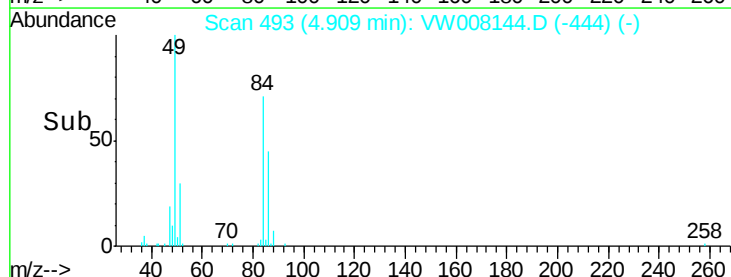
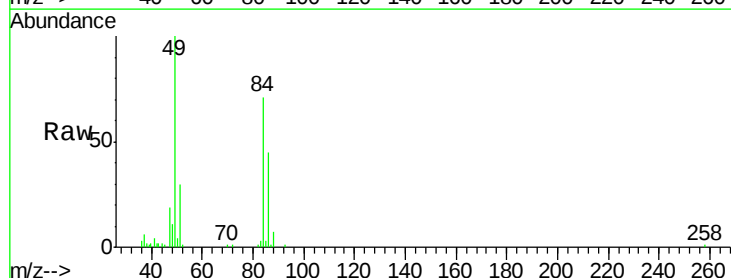
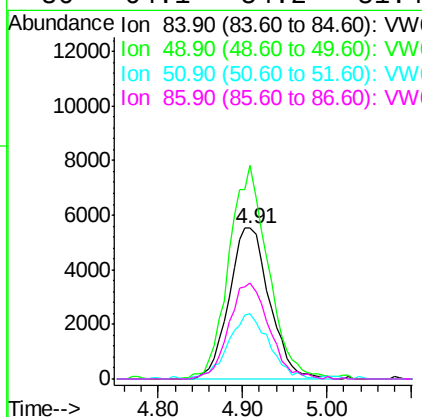
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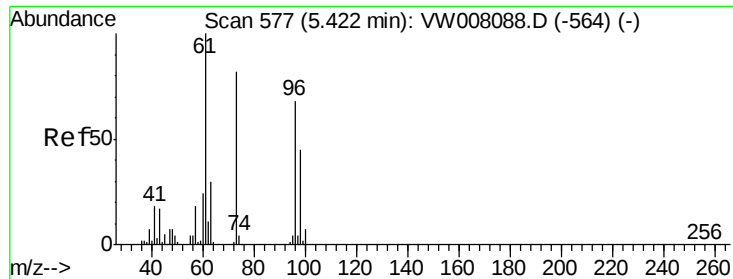
MMDadoda
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#20
Methylene Chloride
Concen: 23.225 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion: 84 Resp: 18019
Ion Ratio Lower Upper
84 100
49 140.3 107.1 160.7
51 43.0 32.4 48.6
86 64.1 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 21.869 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

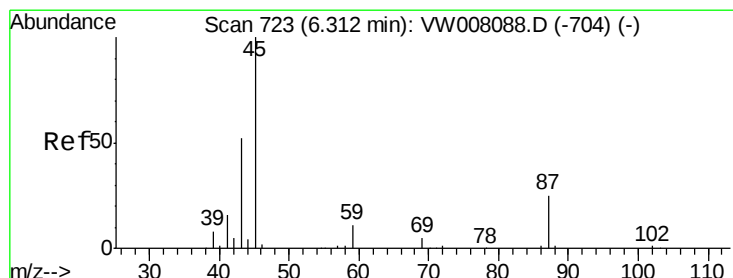
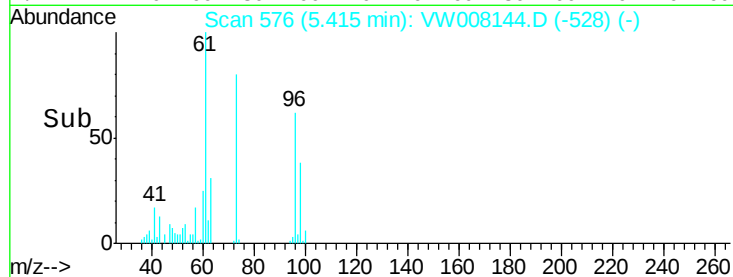
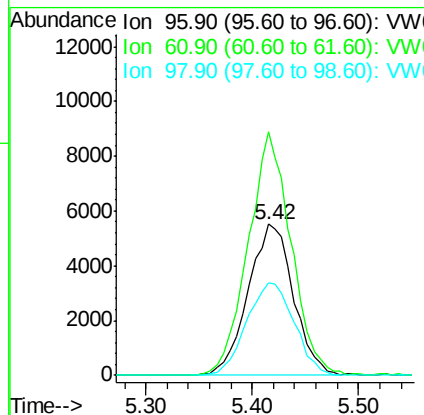
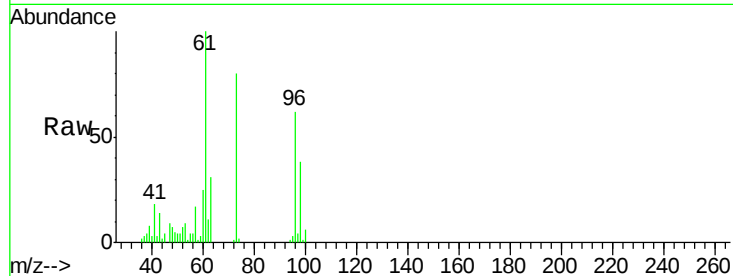
ClientSampleId :

VW0110SBS01

Tot Ion:	96	Resp:	16426
Ion Ratio	Lower	Upper	
96	100		
61	161.1	117.4	176.0
98	61.6	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.487 ug/l

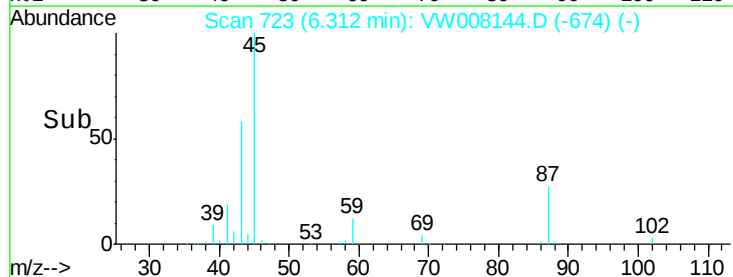
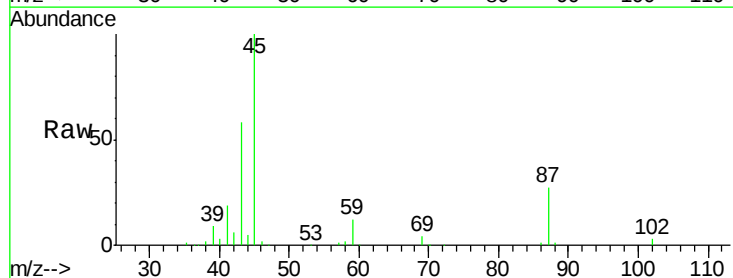
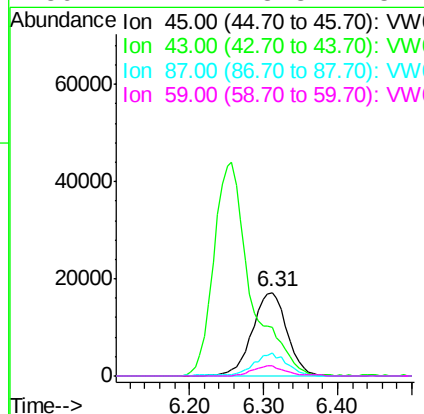
RT: 6.31 min Scan# 723

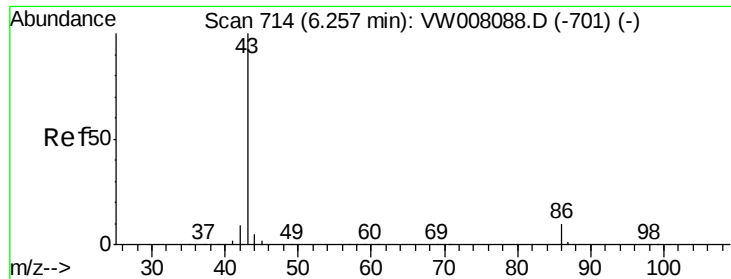
Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	45	Resp:	56212
Ion Ratio	Lower	Upper	
45	100		
43	56.6	41.7	62.5
87	27.1	20.1	30.1
59	12.2	8.8	13.2





#23

Vinyl Acetate

Concen: 119.780 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 43 Resp: 150559

Ion Ratio Lower Upper

43 100

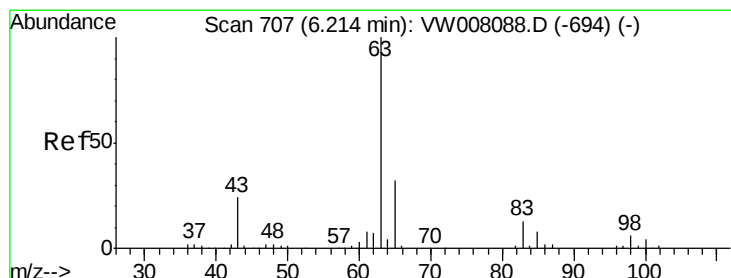
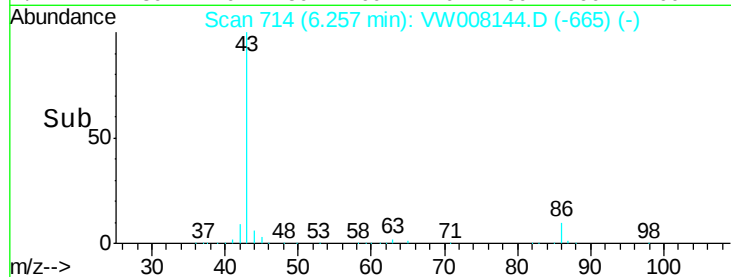
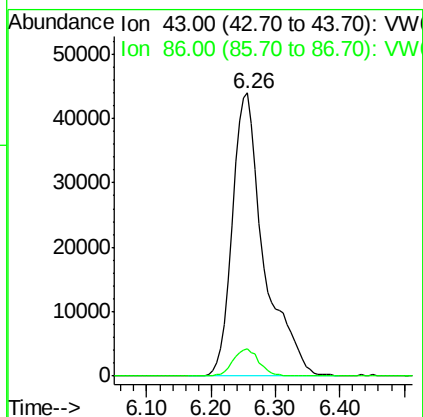
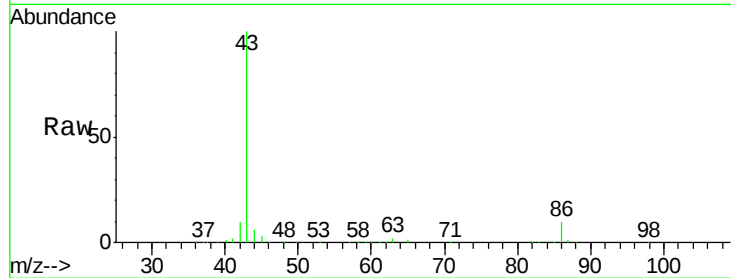
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.290 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

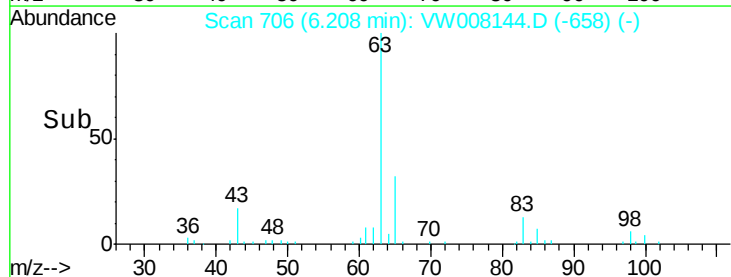
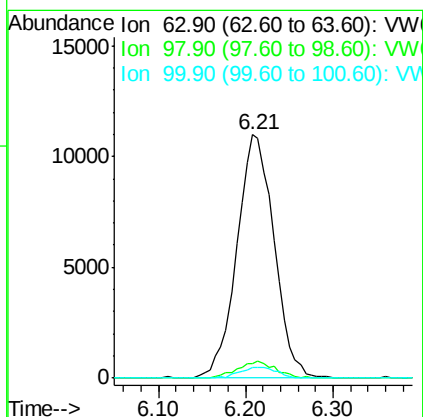
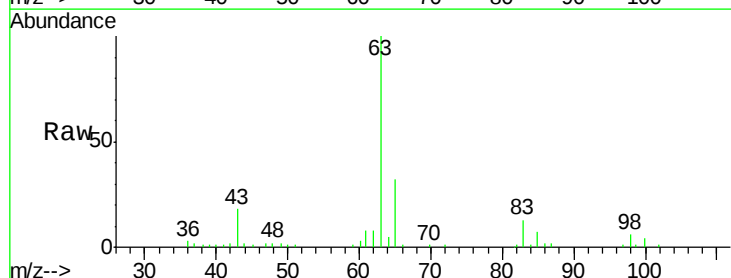
Tgt Ion: 63 Resp: 32478

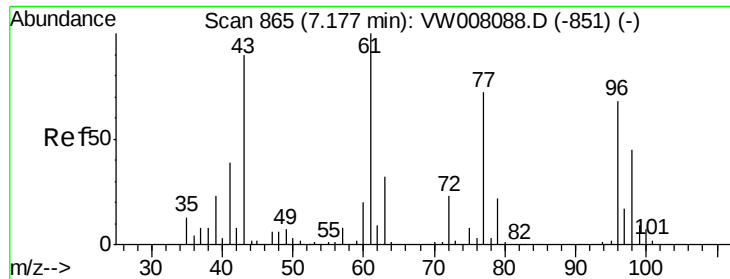
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 123.142 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 43 Resp: 24304

Ion Ratio Lower Upper

43 100

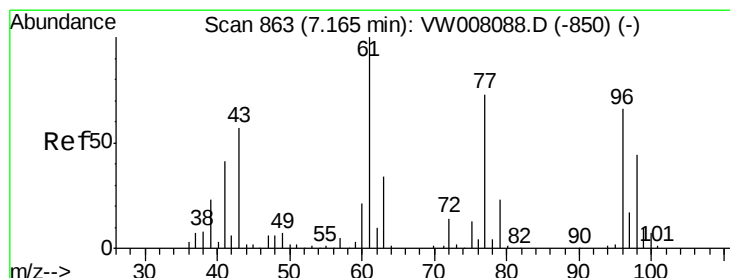
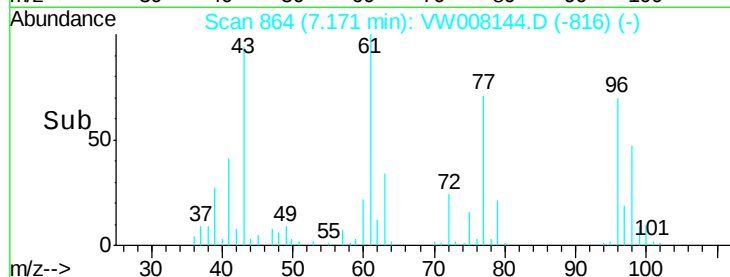
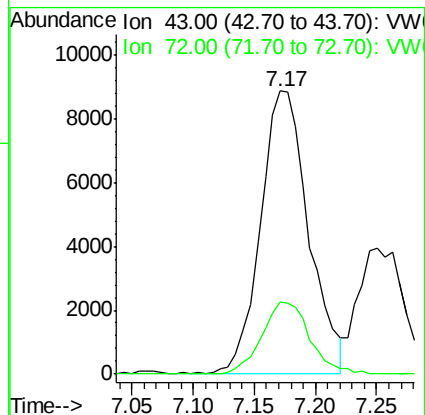
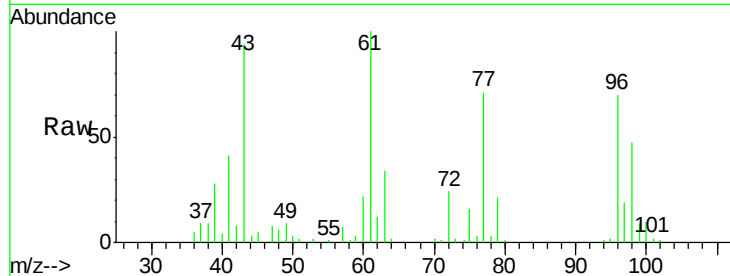
72 25.6 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.084 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008144.D

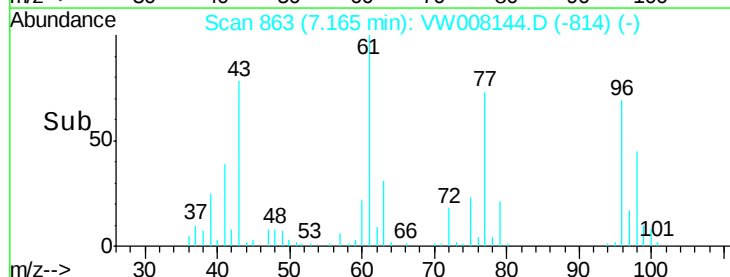
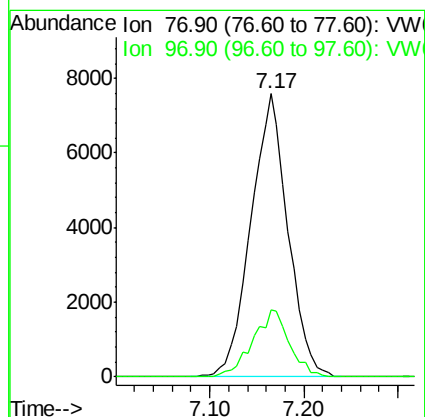
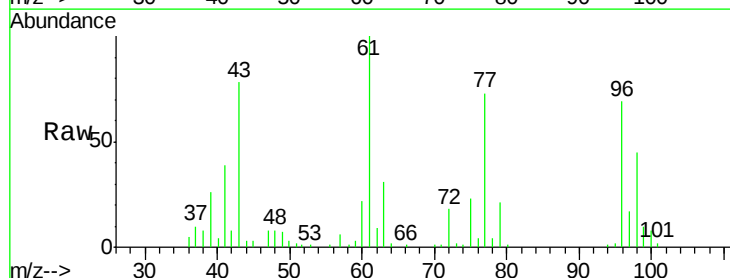
Acq: 10 Jan 2019 13:15

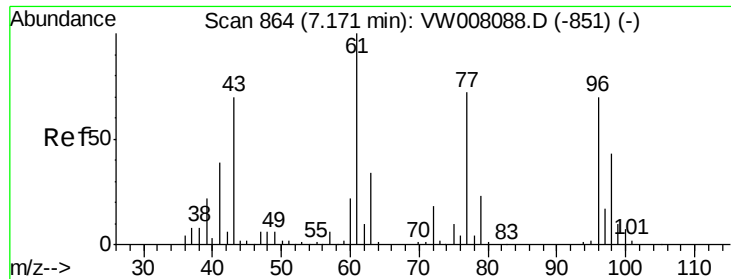
Tgt Ion: 77 Resp: 20866

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1





#27

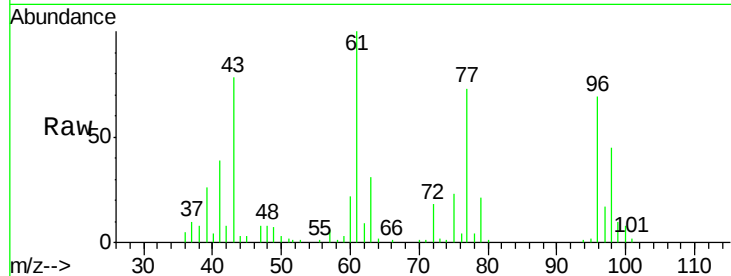
cis-1,2-Dichloroethene
Concen: 23.208 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

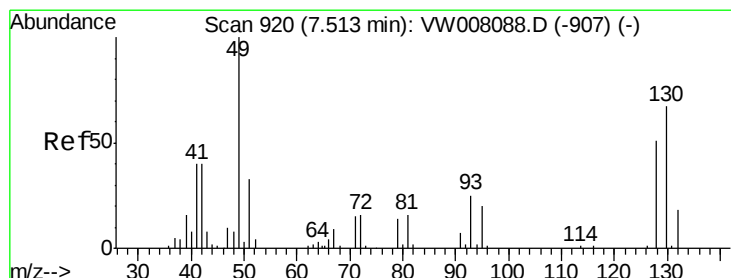
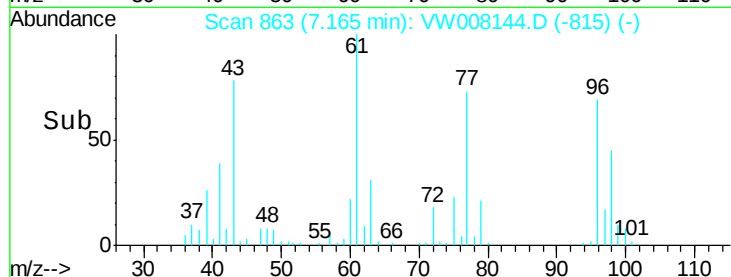
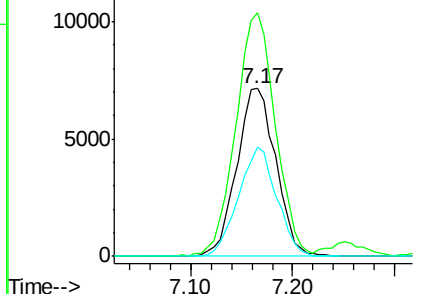
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	300.4
98	63.5	0.0	128.4

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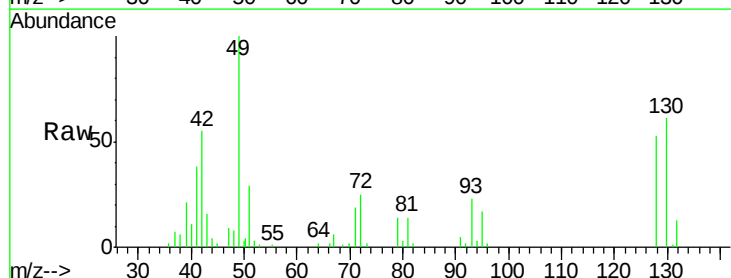
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



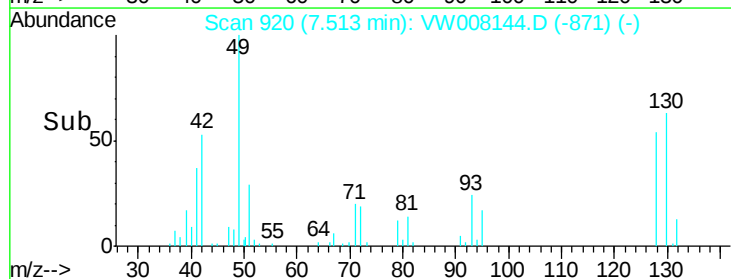
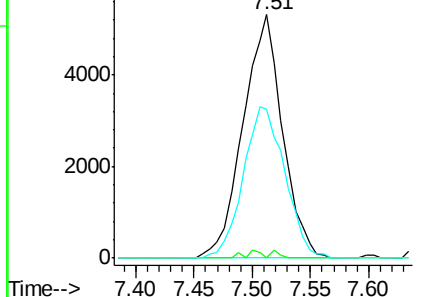
#28

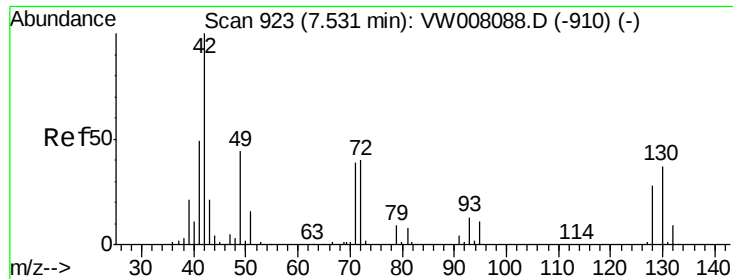
Bromochloromethane
Concen: 22.661 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.8
130	65.4	54.3	81.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





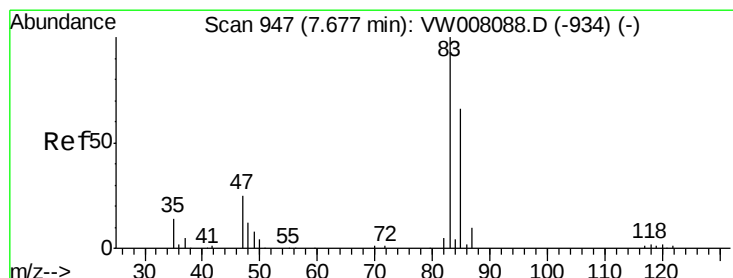
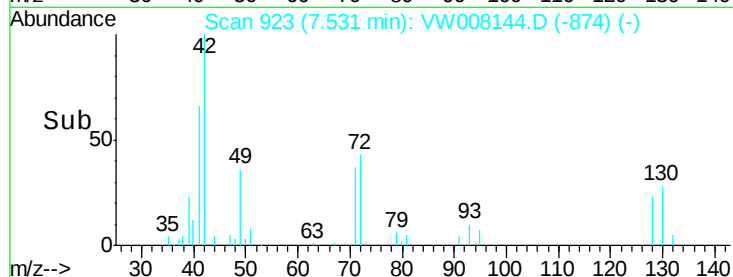
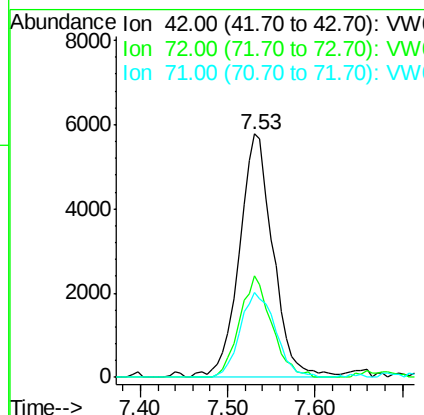
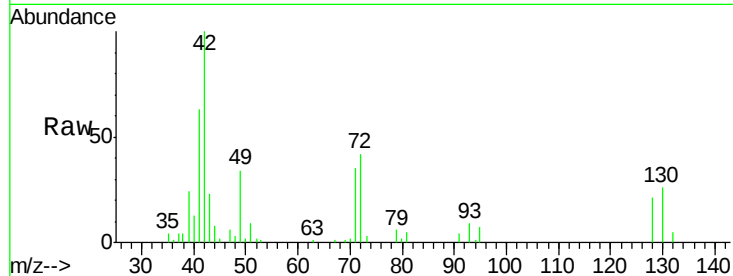
#29
Tetrahydrofuran
Concen: 117.584 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.4	48.6
71	36.5	31.3	46.9

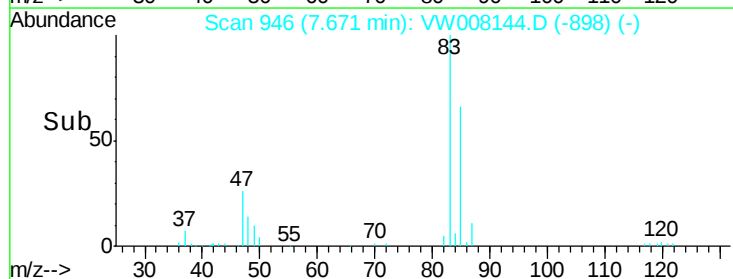
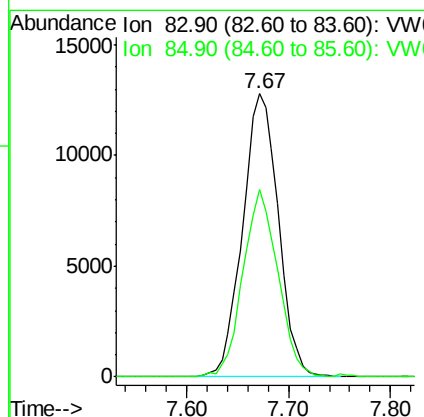
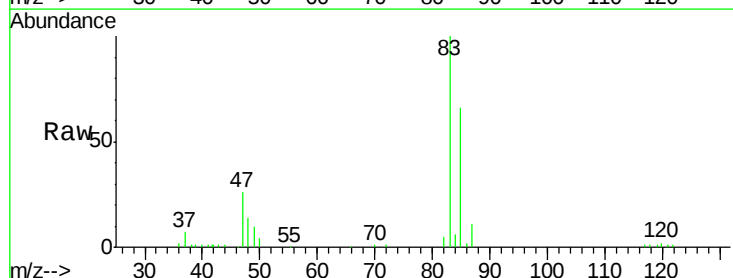
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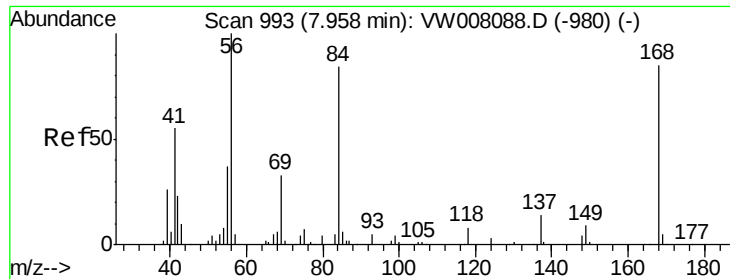
MMDadoda
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#30
Chloroform
Concen: 23.544 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.2	79.8





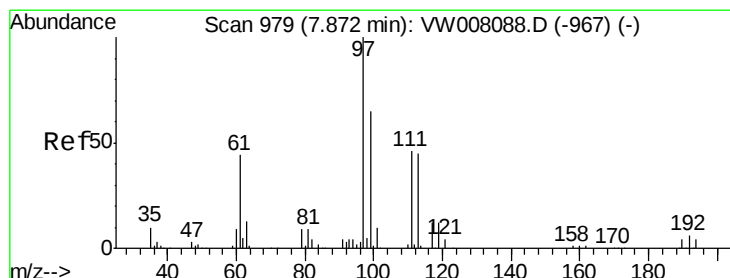
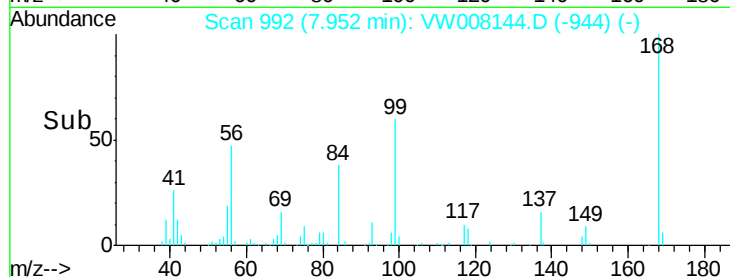
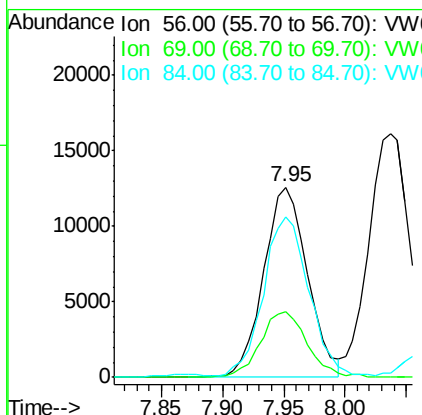
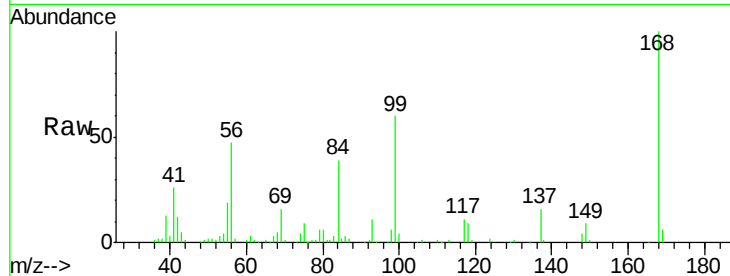
#31
Cyclohexane
Concen: 21.118 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.2	39.4
84	82.7	67.4	101.2

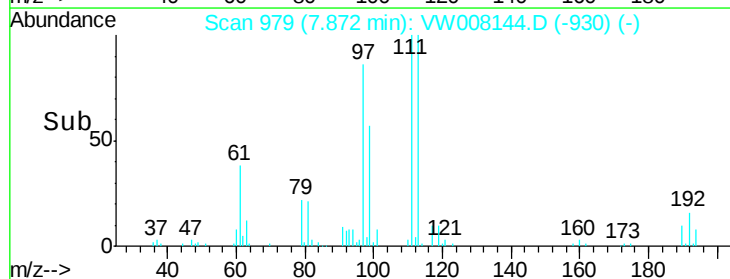
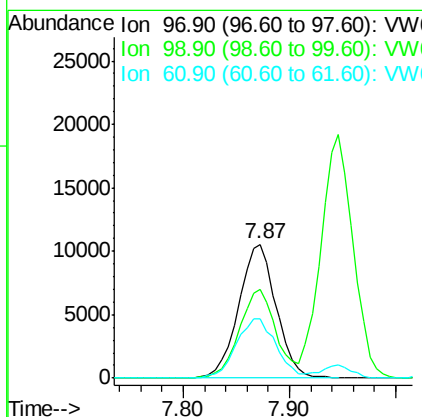
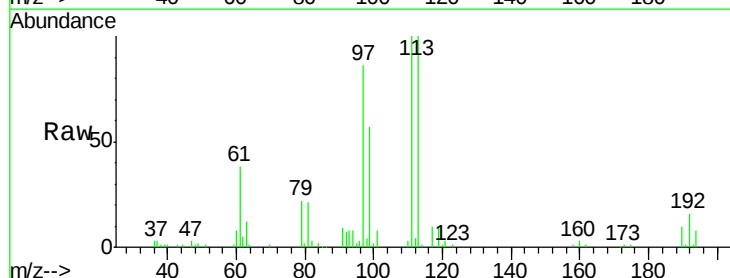
Manual Integrations
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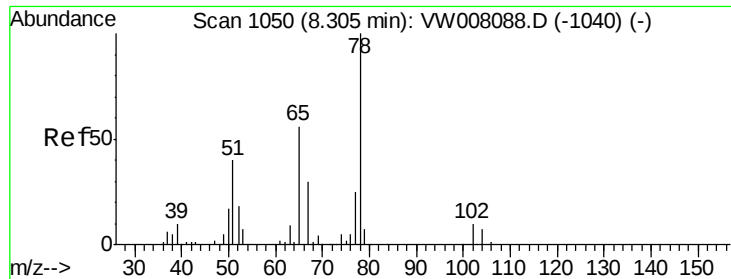
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#32
1,1,1-Trichloroethane
Concen: 22.510 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.4	77.0
61	47.0	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 52.687 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 65 Resp: 37374

Ion Ratio Lower Upper

65 100

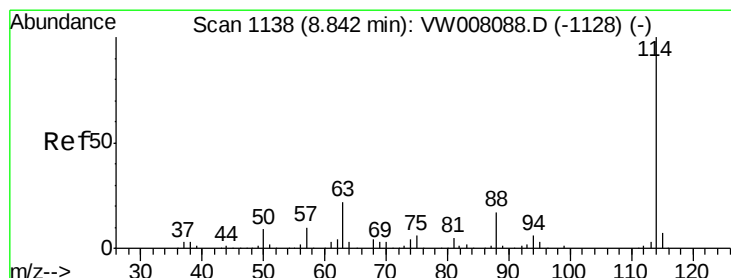
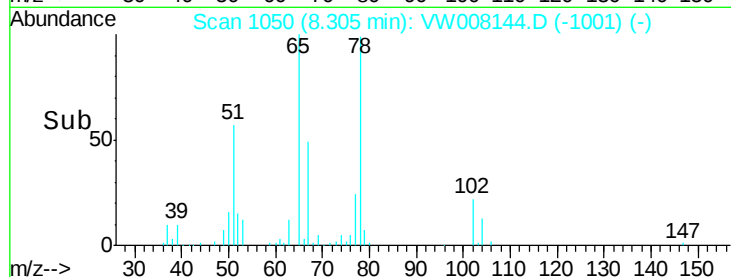
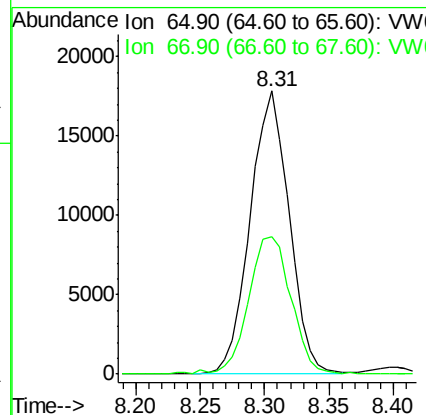
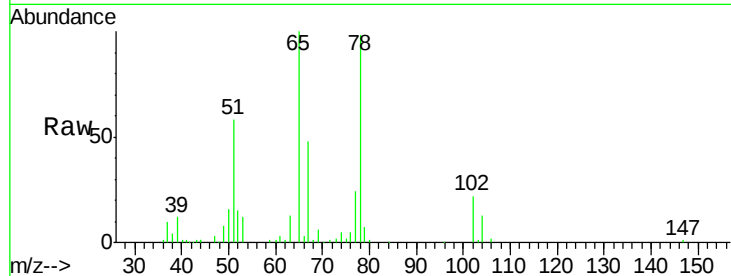
67 53.1 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

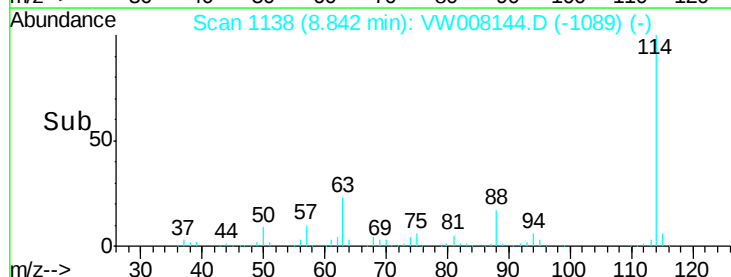
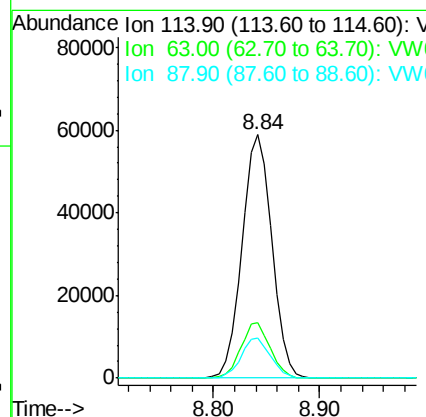
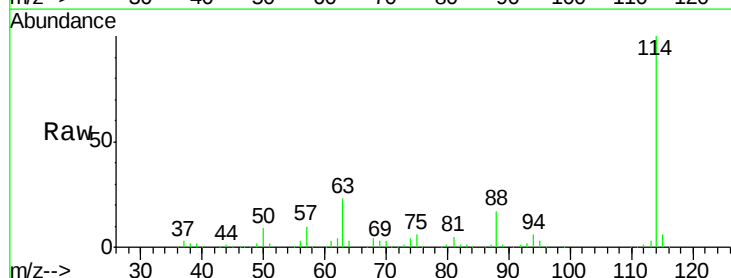
Tgt Ion: 114 Resp: 115868

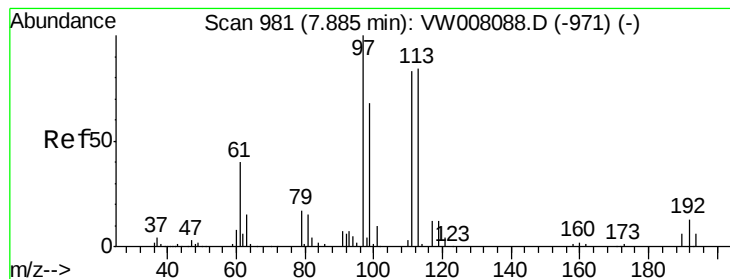
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.657 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:113 Resp: 34909

Ion Ratio Lower Upper

113 100

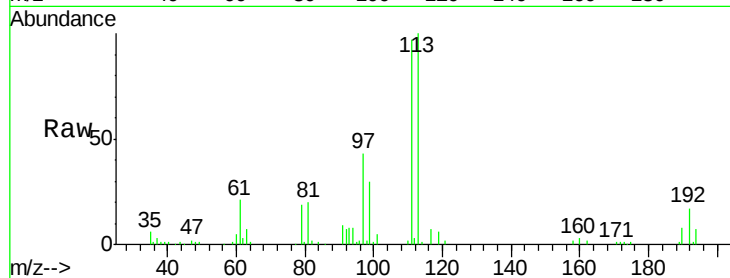
111 100.5 81.8 122.8

192 17.0 12.8 19.2

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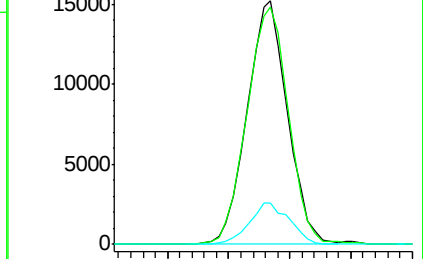
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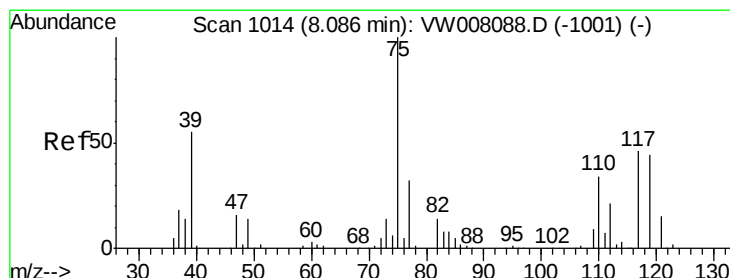
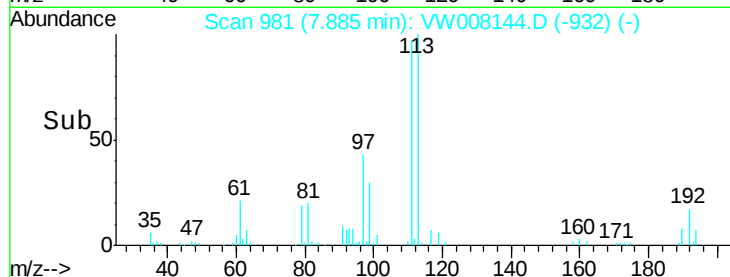
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 21.422 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

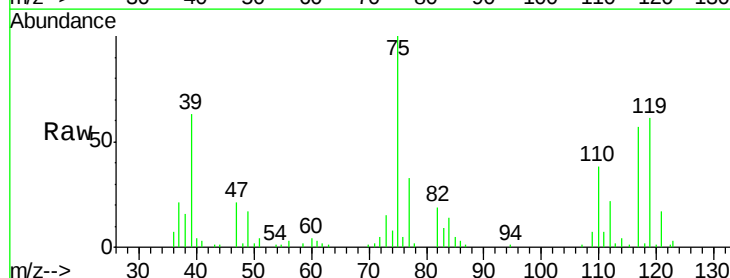
Tgt Ion: 75 Resp: 25568

Ion Ratio Lower Upper

75 100

110 35.0 17.1 51.3

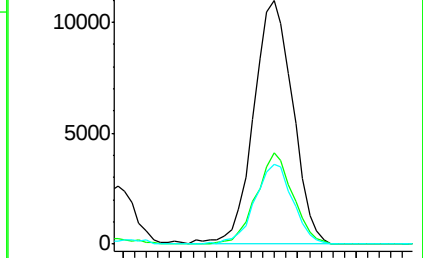
77 31.7 25.5 38.3



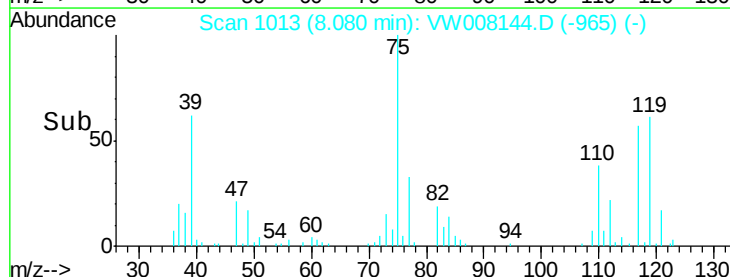
Abundance Ion 74.90 (74.60 to 75.60): VW

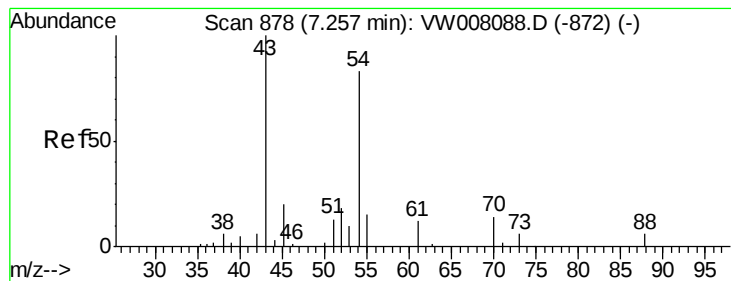
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->





#37

Ethyl Acetate

Concen: 22.120 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

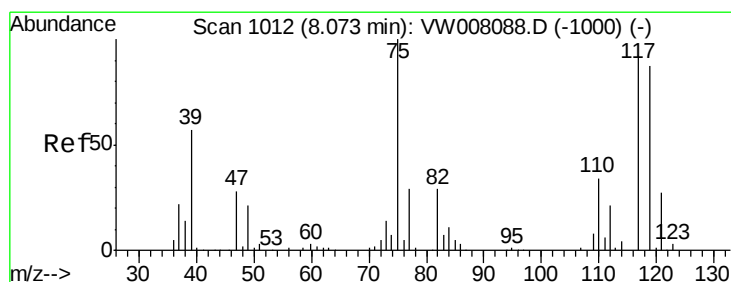
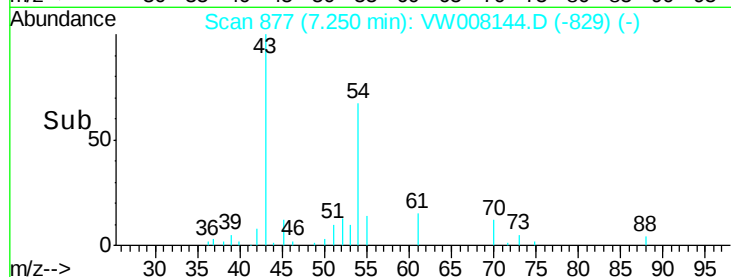
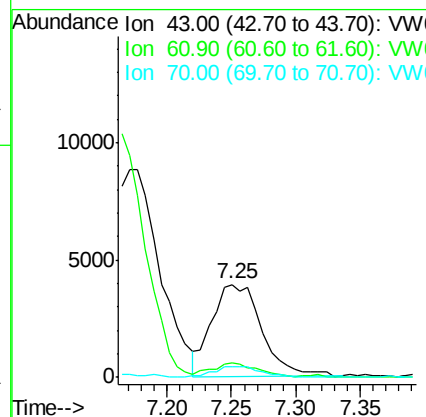
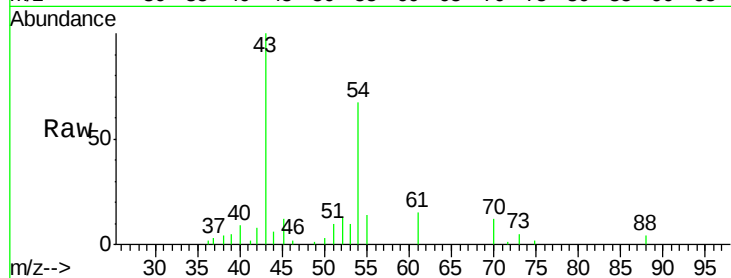
ClientSampled :

VW0110SBS01

Tot Ion:	43	Resp:	10577
Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.6	16.0
70	11.3	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 20.871 ug/l

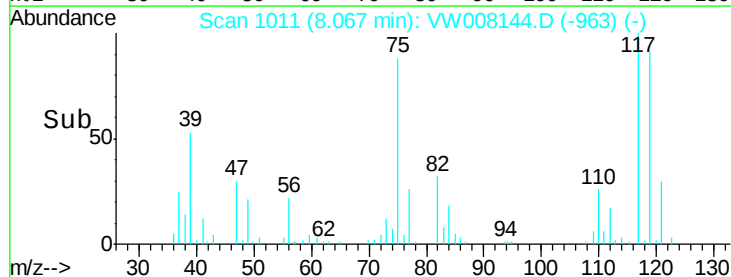
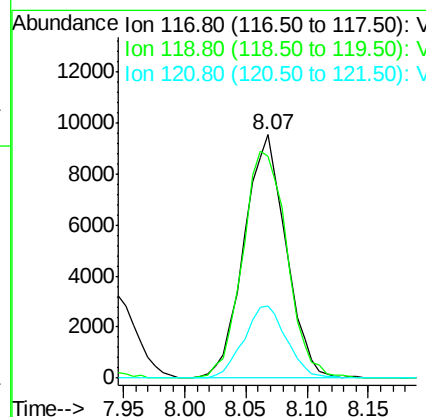
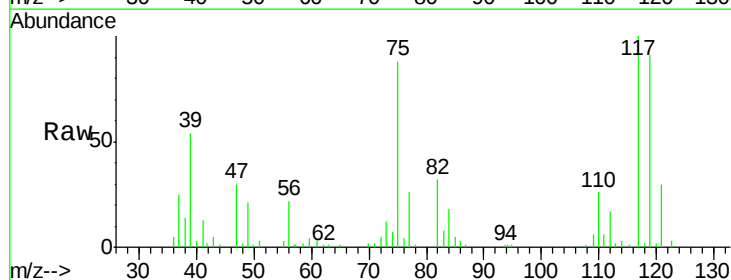
RT: 8.07 min Scan# 1011

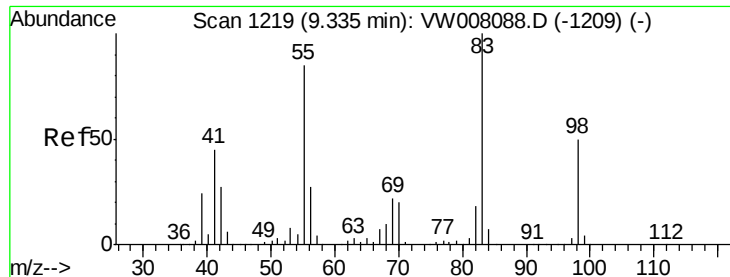
Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	117	Resp:	22800
Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.8	113.8
121	29.6	23.7	35.5





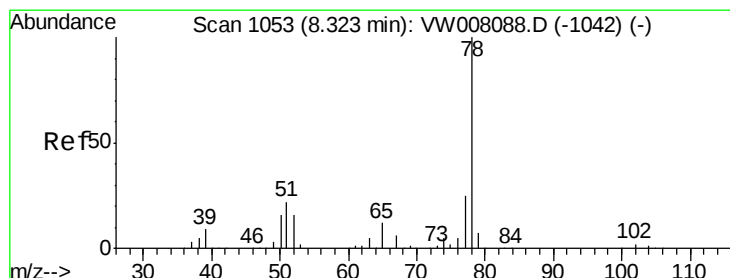
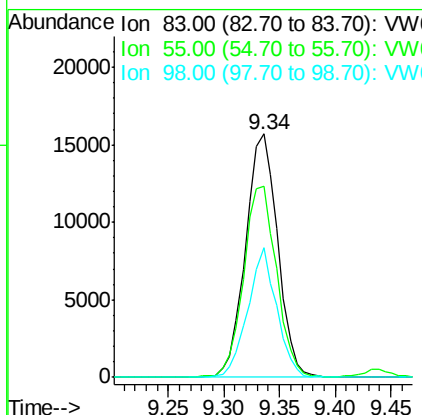
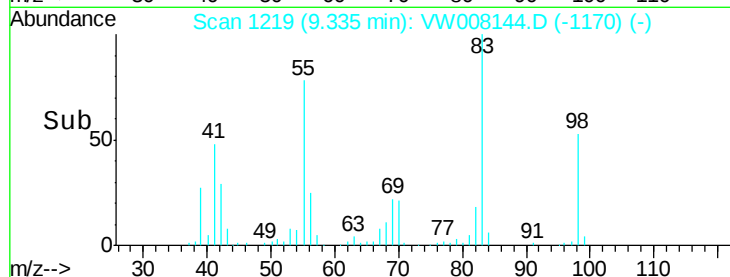
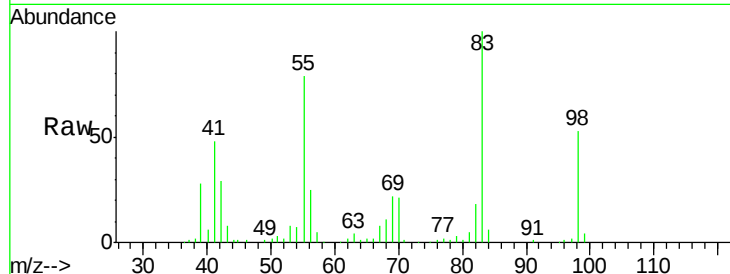
#39
Methvlcvclohexane
Concen: 20.867 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	83.00	Resp	31580
Ion Ratio	100	Lower	Upper
83	100		
55	78.5	67.8	101.6
98	53.0	40.2	60.4

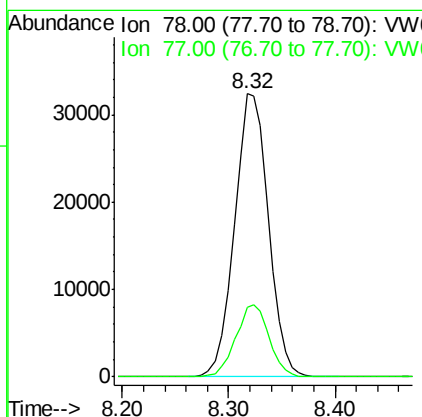
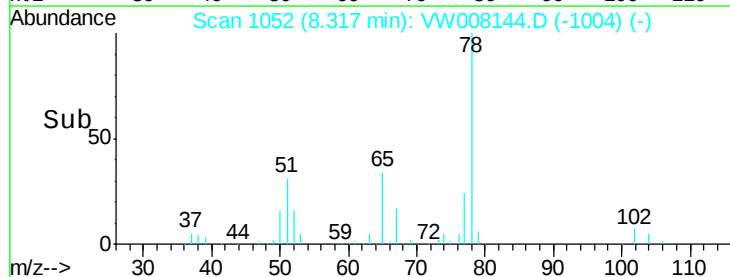
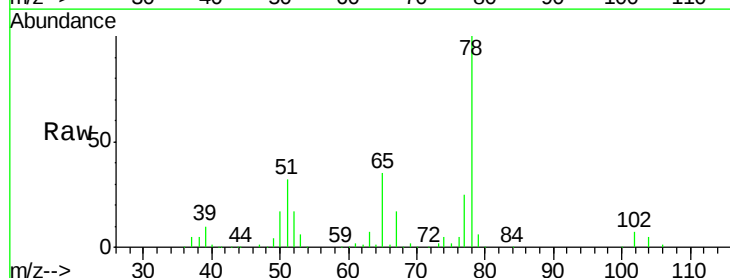
Manual Integrations
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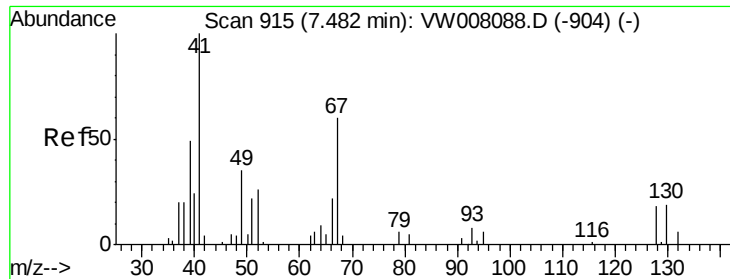
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#40
Benzene
Concen: 22.302 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	78.00	Resp	72199
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	20.2	30.4





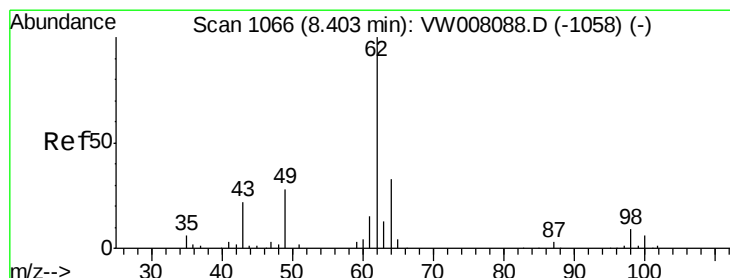
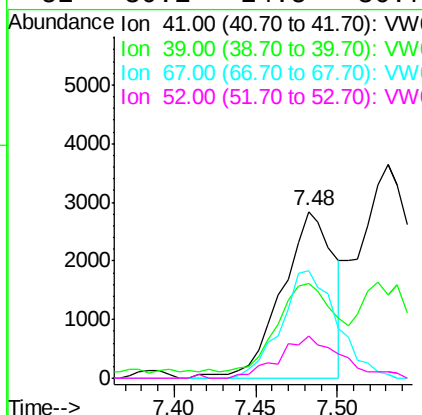
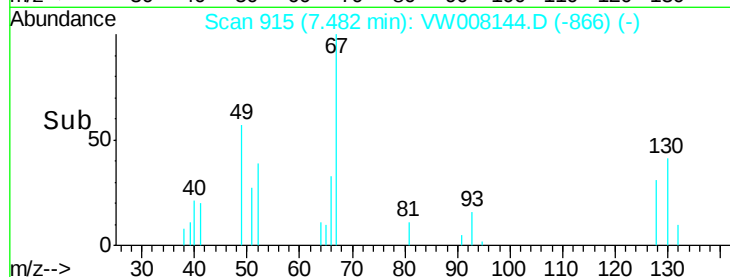
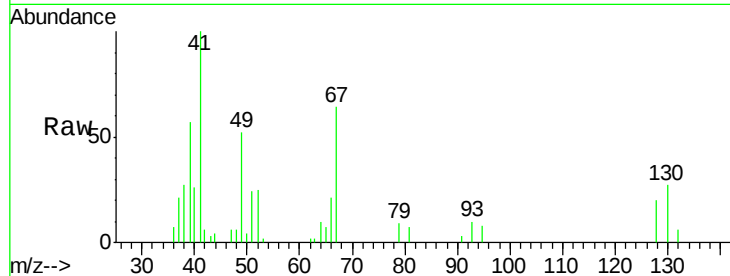
#41
Methacrylonitrile
Concen: 20.817 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampled :
VW0110SBS01

Tot Ion	41	Resp:	6288
Ion Ratio	Lower	Upper	
41	100		
39	59.1	47.9	71.9
67	69.5	56.3	84.5
52	30.1	24.5	36.7

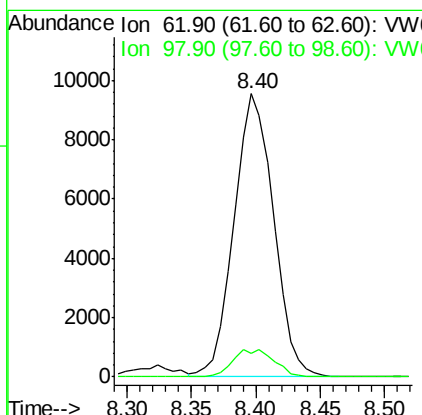
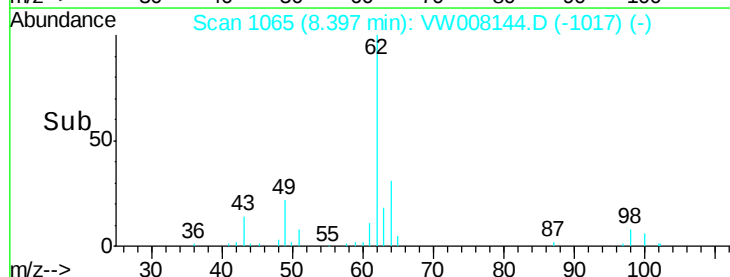
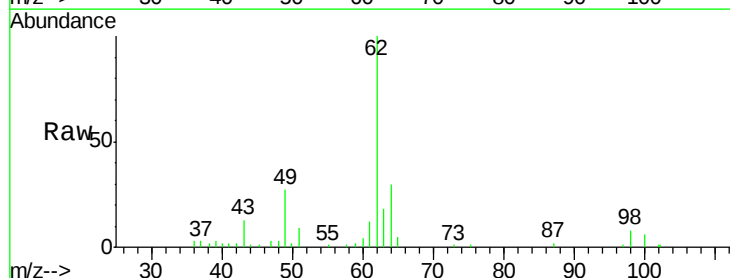
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 22.384 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	62	Resp:	20381
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.170 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

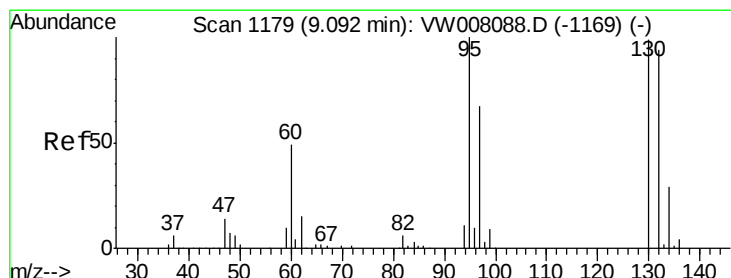
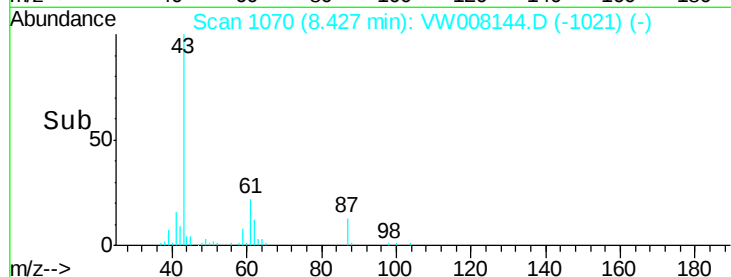
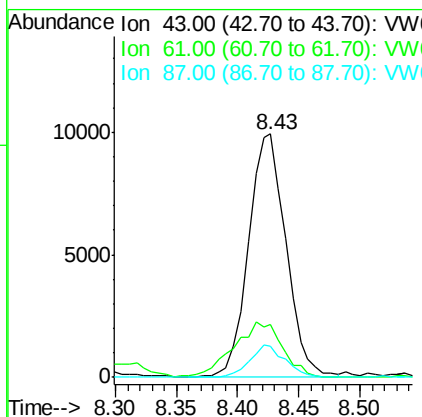
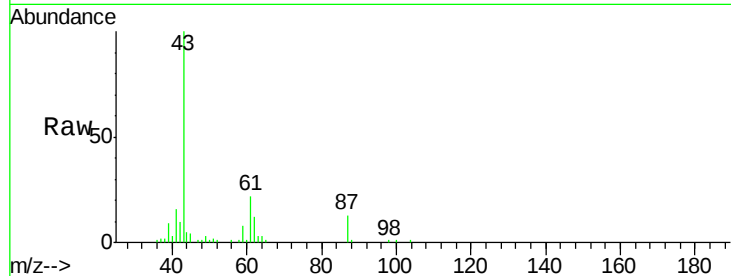
ClientSampled :

VW0110SBS01

Tot Ion:	43	Resp:	21196
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.8	37.2
87	12.4	10.4	15.6

Manual Integrations
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#44

Trichloroethene

Concen: 21.431 ug/l

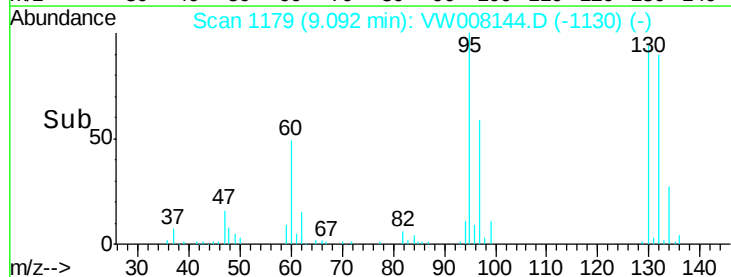
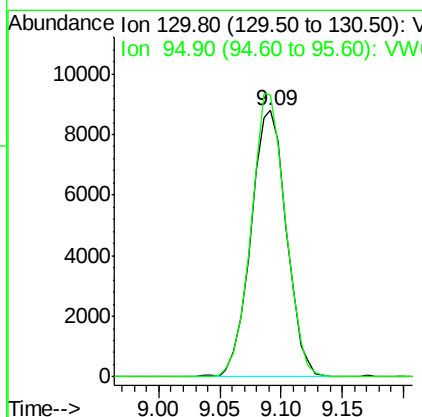
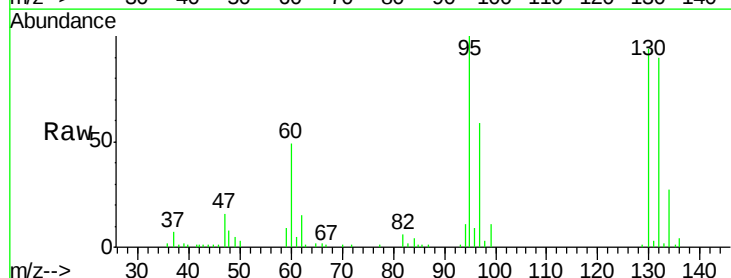
RT: 9.09 min Scan# 1179

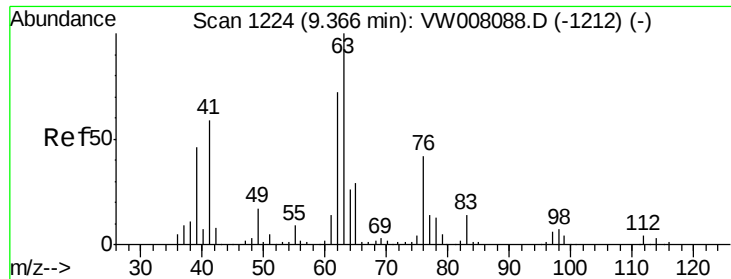
Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	130	Resp:	17760
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	202.8





#45

1,2-Dichloropropane

Concen: 23.118 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampled :

VW0110SBS01

Tot Ion: 63 Resp: 18557

Ion Ratio Lower Upper

63 100

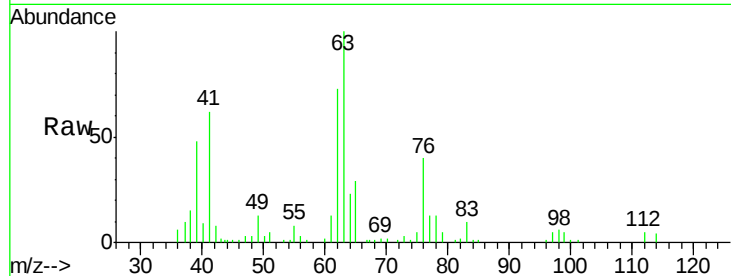
65 29.0 23.3 34.9

Manual Integrations

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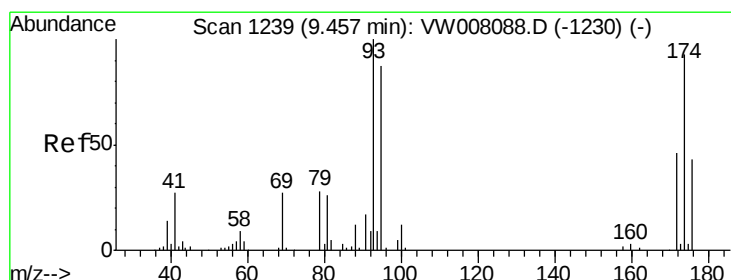
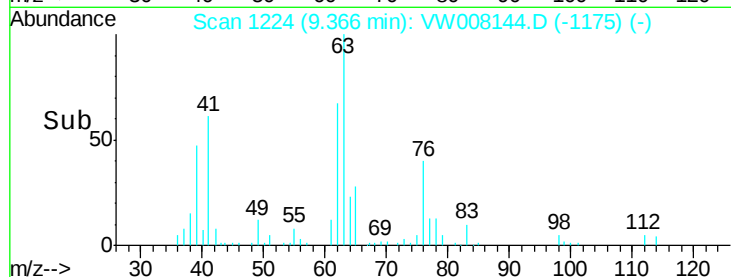
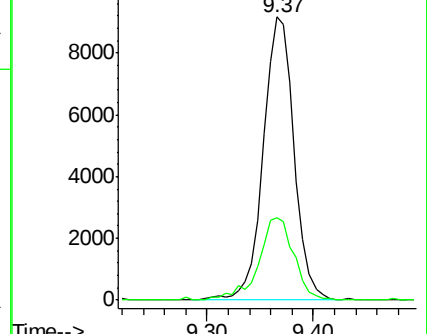
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.597 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

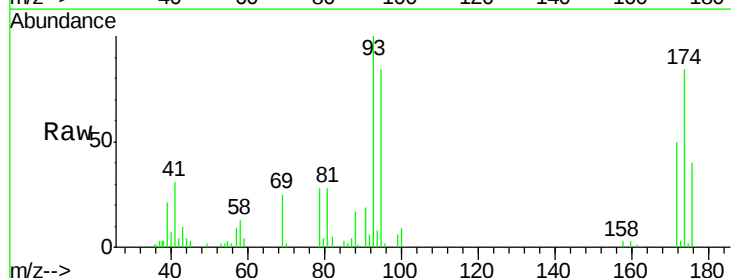
Tgt Ion: 93 Resp: 8908

Ion Ratio Lower Upper

93 100

95 85.4 67.5 101.3

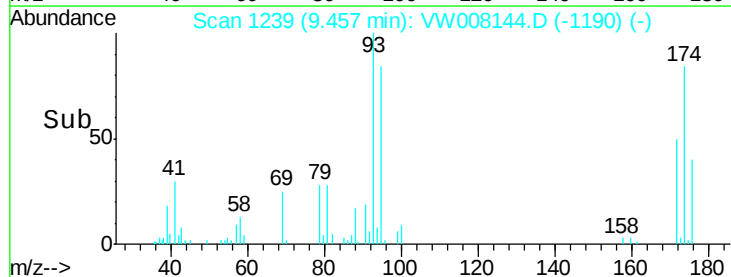
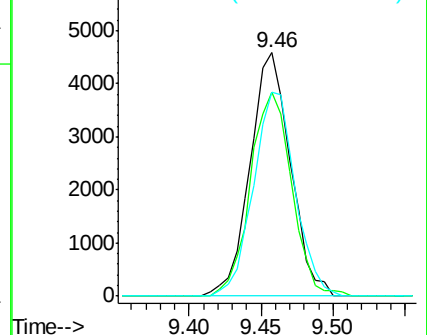
174 86.5 72.5 108.7

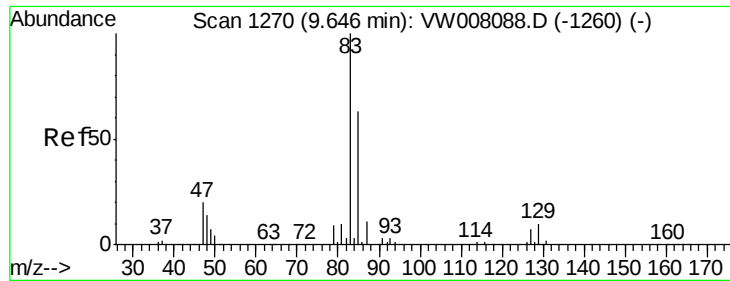


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





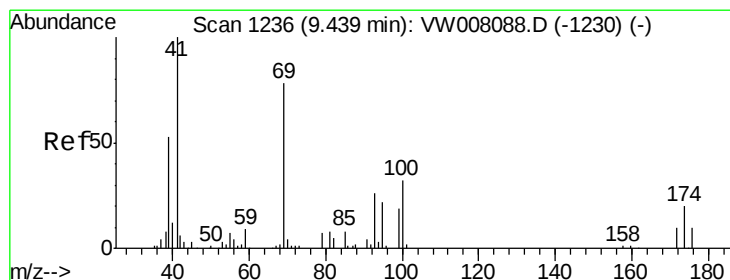
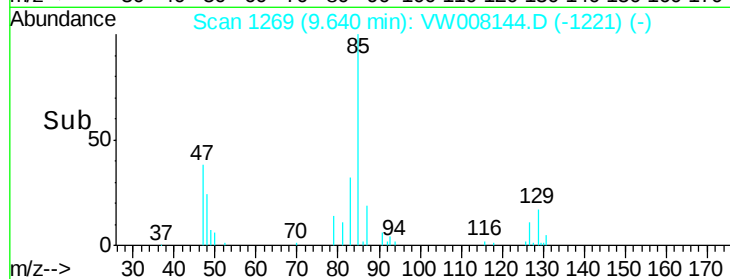
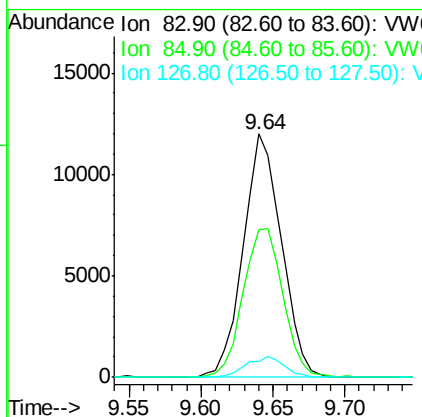
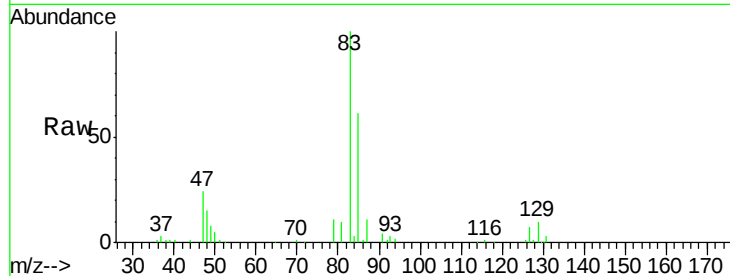
#47
Bromodichloromethane
Concen: 21.959 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.7	50.7	76.1
127	6.5	6.0	9.0

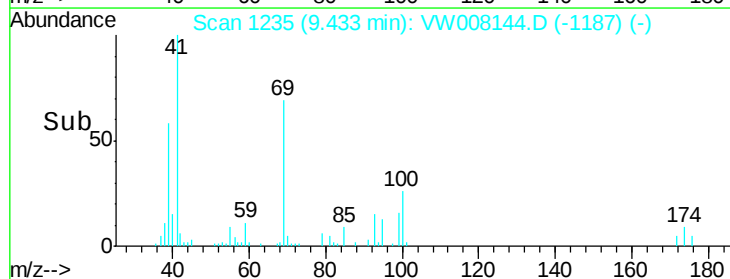
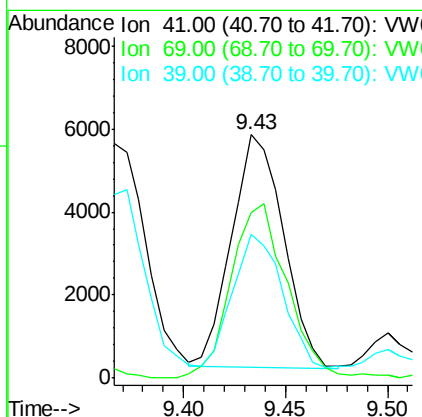
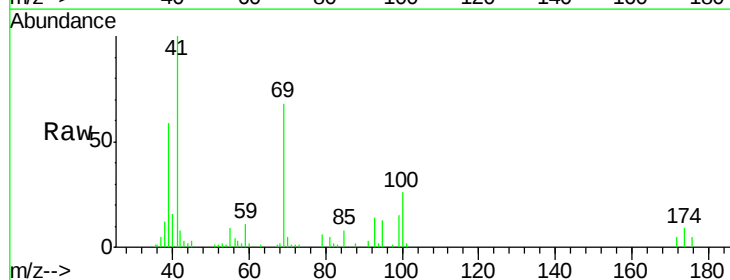
Manual Integrations
APPROVED

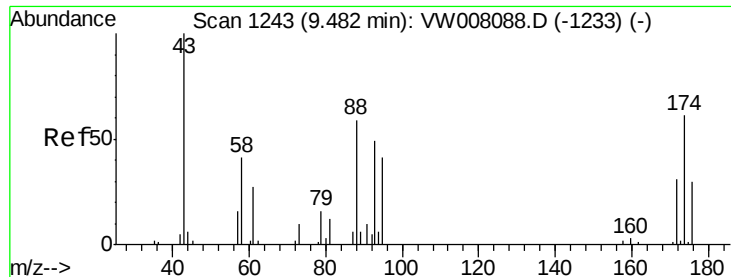
MMDadoda
1/11/2019 2:27:36 PM



#48
Methyl methacrylate
Concen: 22.049 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.7	61.9	92.9
39	55.0	43.0	64.4





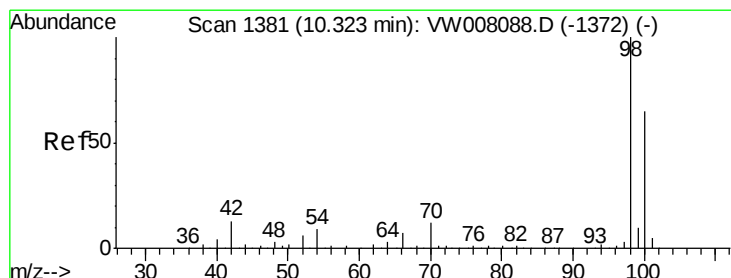
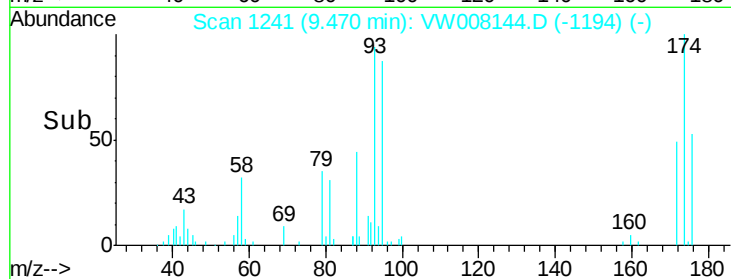
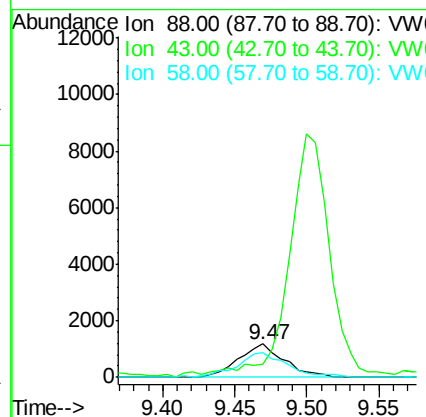
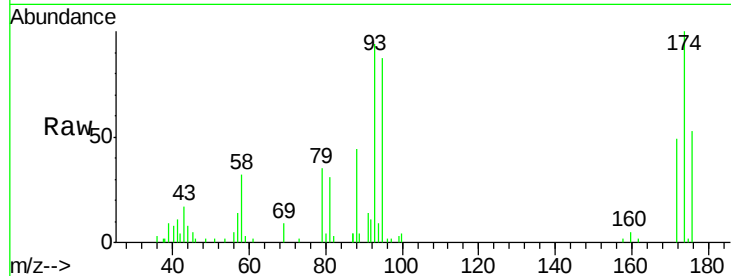
#49
1,4-Dioxane
Concen: 408.856 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	88	Resp	2592
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	82.3	61.7	92.5

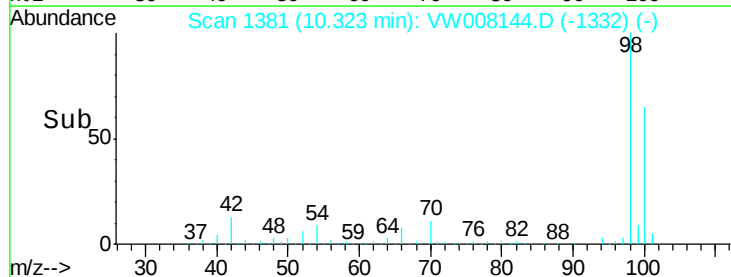
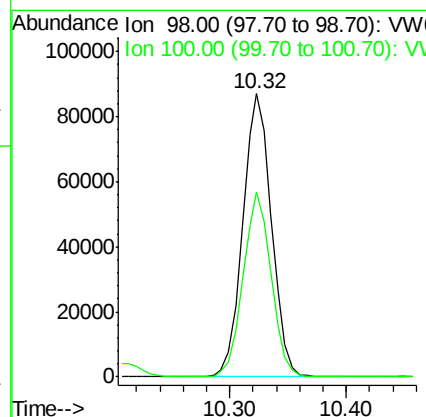
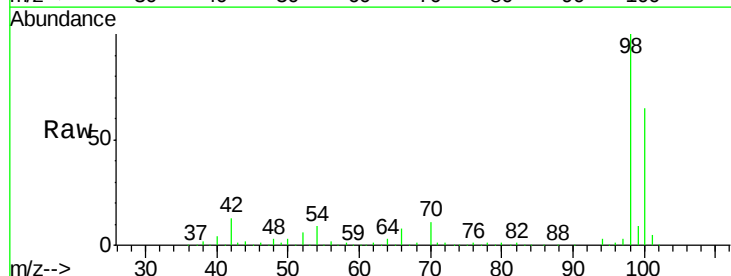
Manual Integrations
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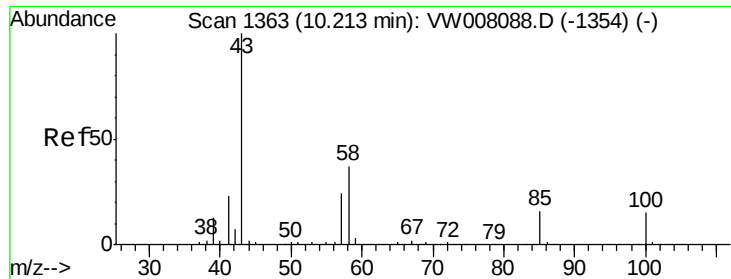
MMDadoda
1/11/2019 2:27:36 PM



#50
Toluene-d8
Concen: 52.405 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	98	Resp	148615
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 114.626 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 43 Resp: 53047

Ion Ratio Lower Upper

43 100

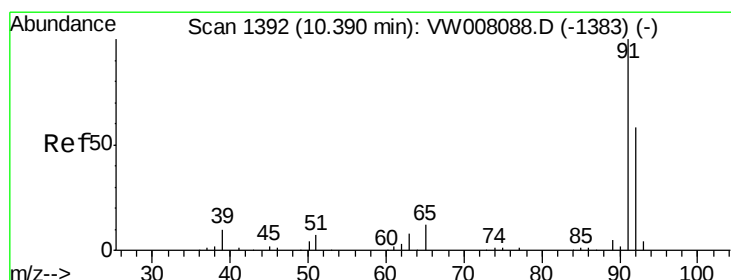
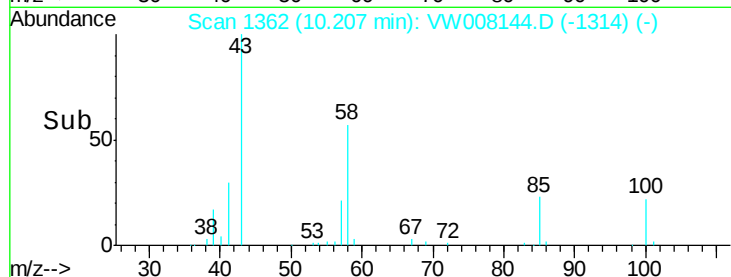
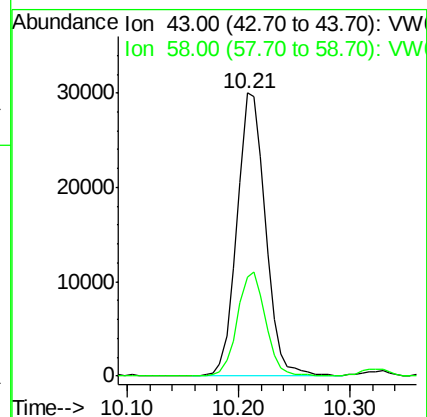
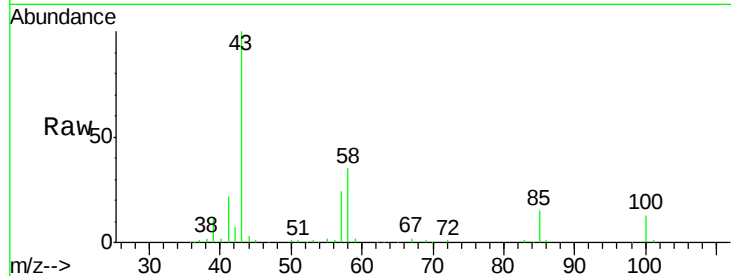
58 36.4 30.6 46.0

Manual Integrations

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1/11/2019 2:27:36 PM



#52

Toluene

Concen: 22.341 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008144.D

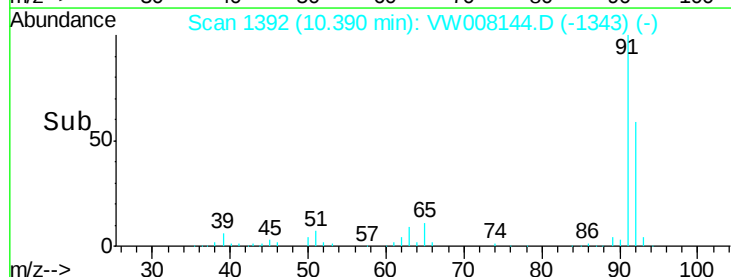
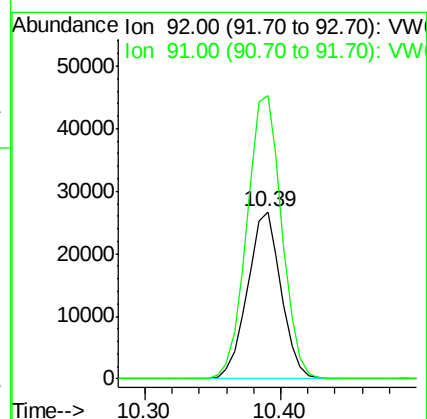
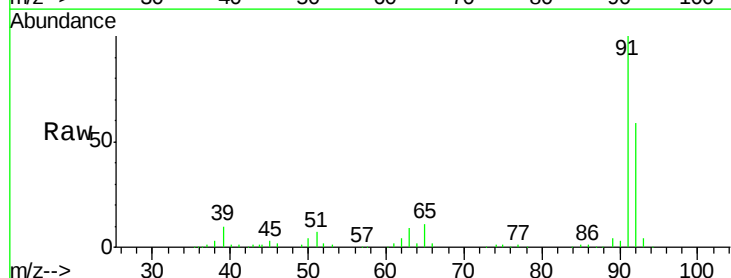
Acq: 10 Jan 2019 13:15

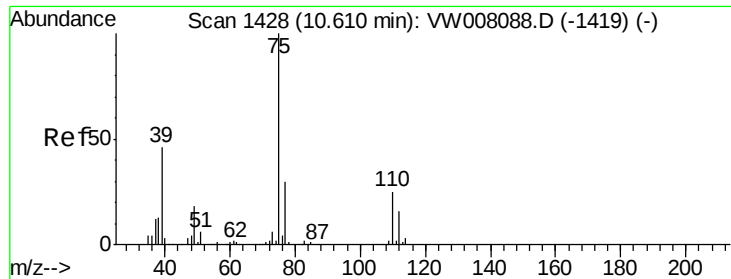
Tgt Ion: 92 Resp: 46188

Ion Ratio Lower Upper

92 100

91 175.6 137.0 205.4





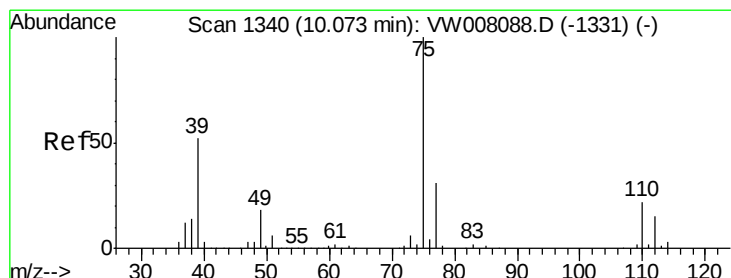
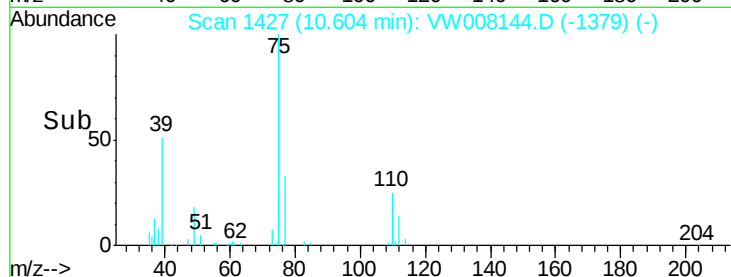
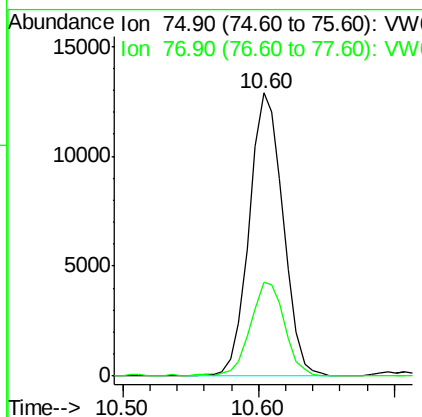
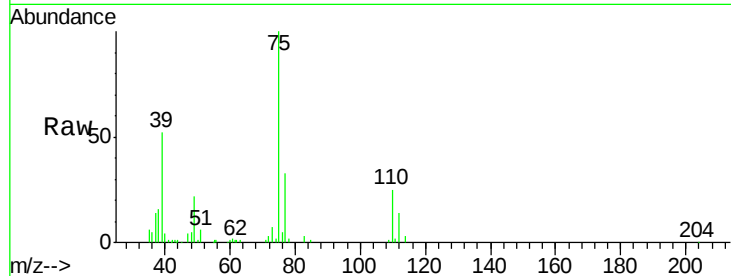
#53
t-1,3-Dichloropropene
Concen: 21.552 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampled :
VW0110SBS01

Tot Ion: 75 Resp: 22440
Ion Ratio Lower Upper
75 100
77 33.3 24.4 36.6

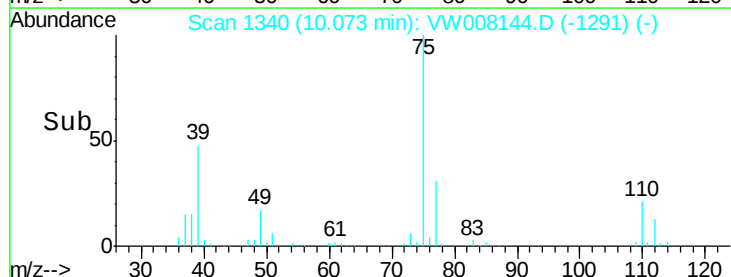
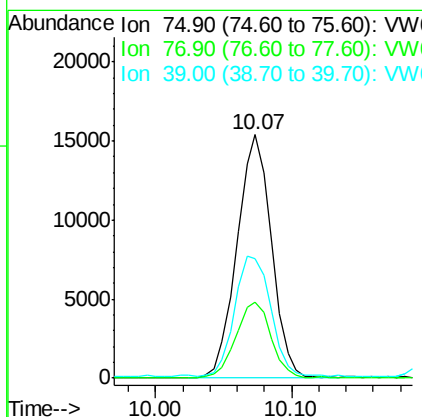
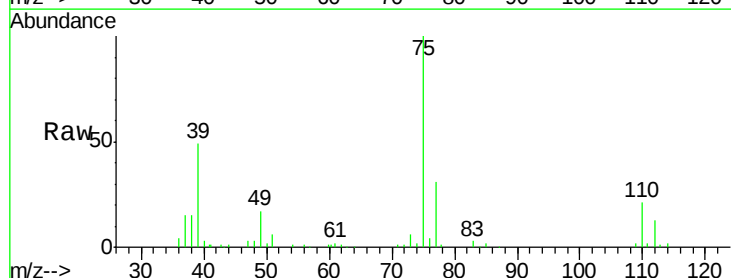
Manual Integrations
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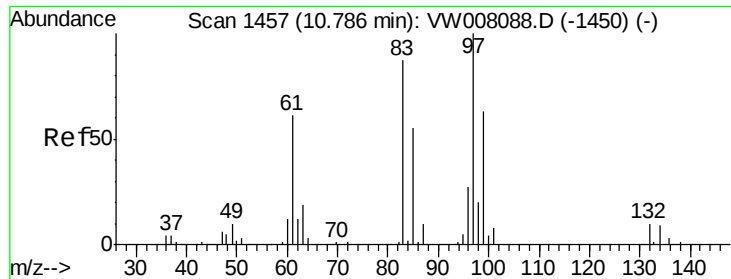
MMDadoda
1/11/2019 2:27:36 PM



#54
cis-1,3-Dichloropropene
Concen: 22.122 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion: 75 Resp: 27313
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 48.1 41.4 62.0





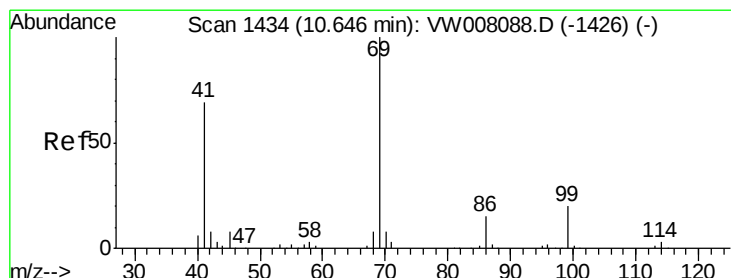
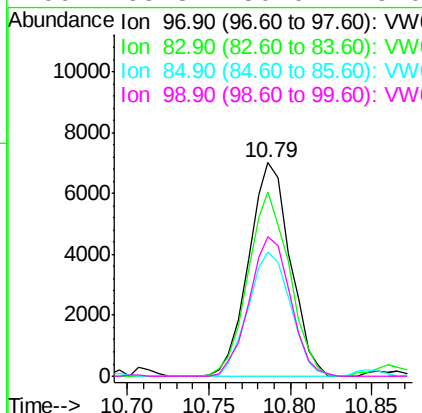
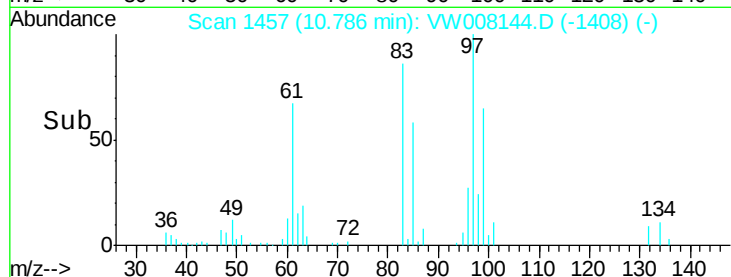
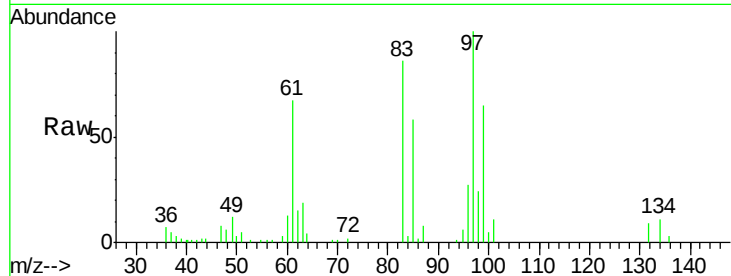
#55
1,1,2-Trichloroethane
Concen: 22.446 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion:	97	Resp:	12423
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.3	103.9
85	58.2	43.8	65.6
99	65.3	50.0	75.0

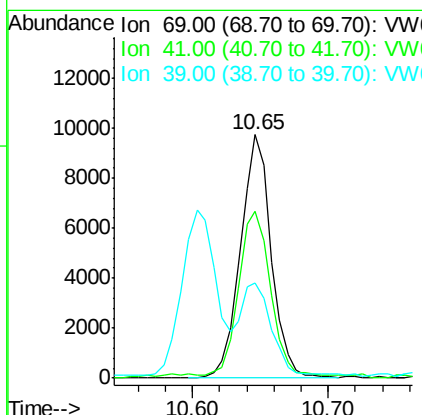
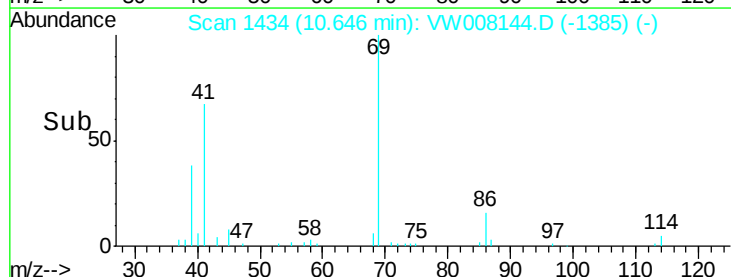
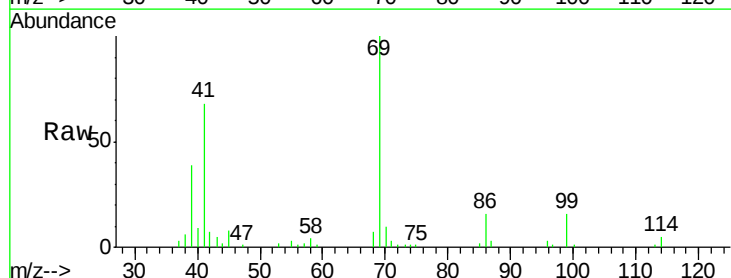
Manual Integrations
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1/11/2019 2:27:36 PM



#56
Ethyl methacrylate
Concen: 22.424 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion:	69	Resp:	15370
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.4	84.6
39	37.4	28.1	42.1





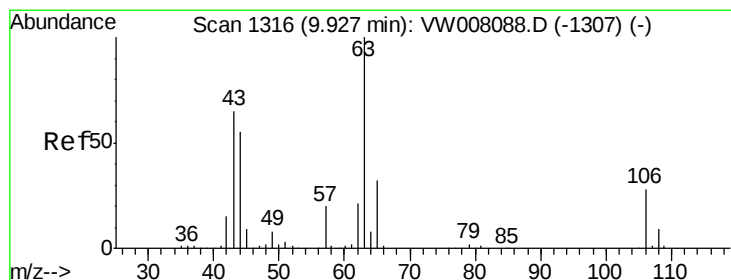
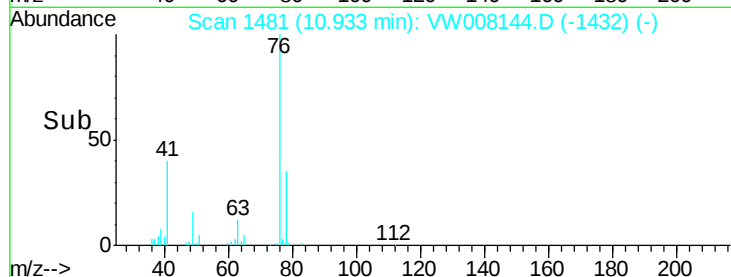
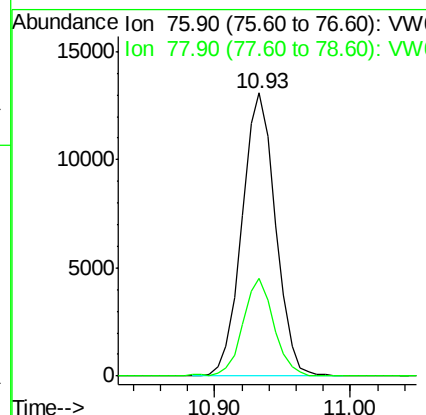
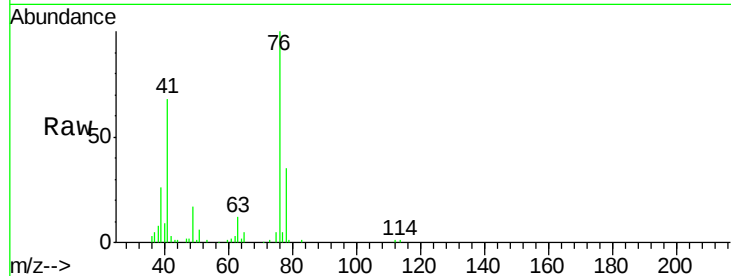
#57
 1,3-Dichloropropane
 Concen: 22.223 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion: 76 Resp: 22495
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5

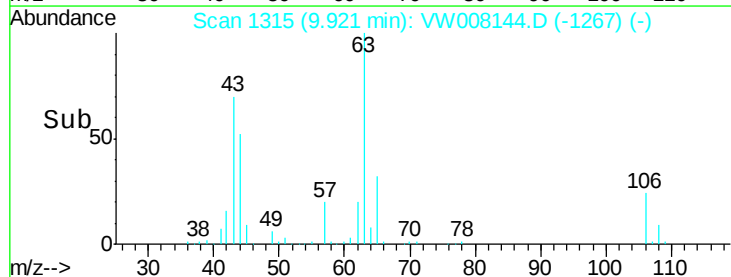
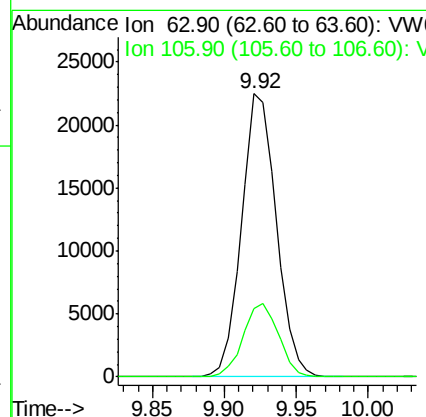
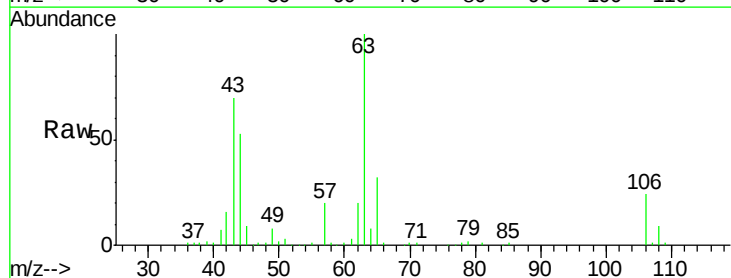
Manual Integrations
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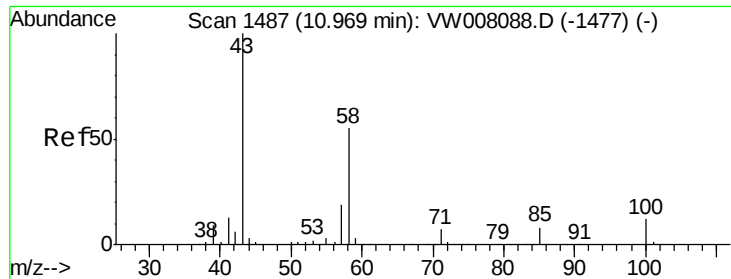
MMDadoda
 1/11/2019 2:27:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.652 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Tgt Ion: 63 Resp: 37761
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.8 32.6





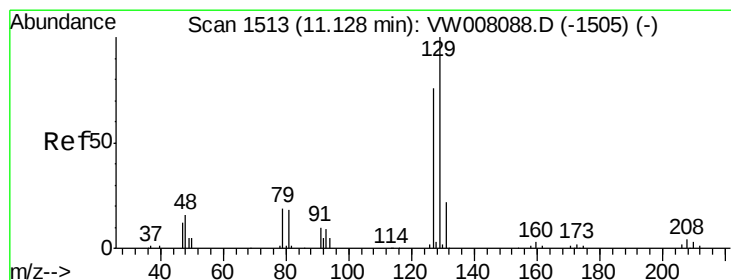
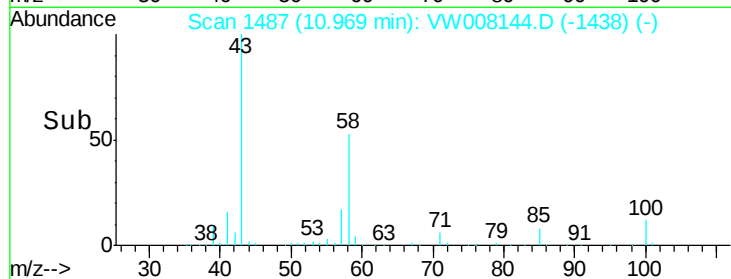
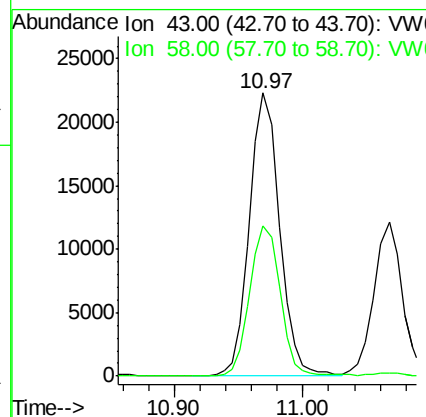
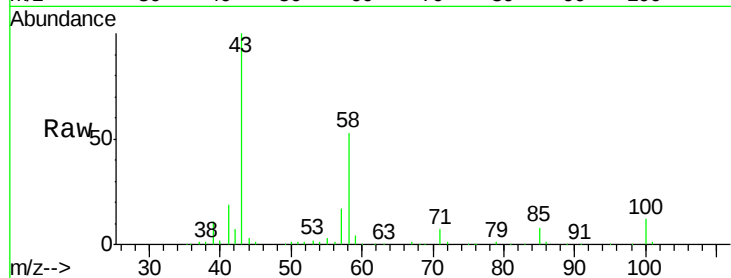
#59
2-Hexanone
Concen: 115.796 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion: 43 Resp: 36239
Ion Ratio Lower Upper
43 100
58 53.0 27.2 81.5

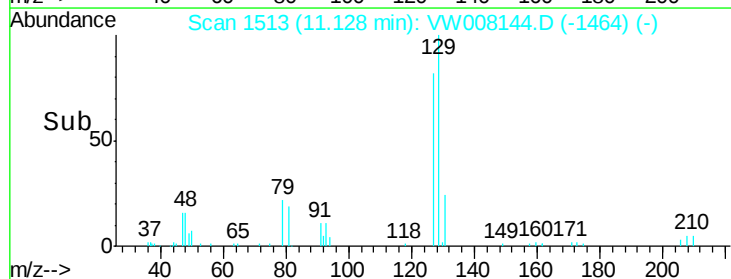
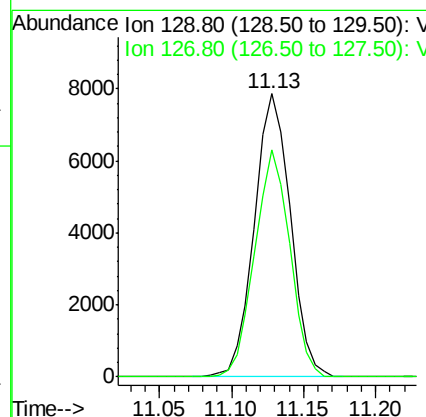
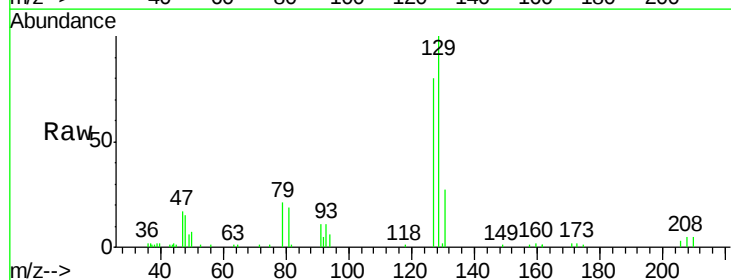
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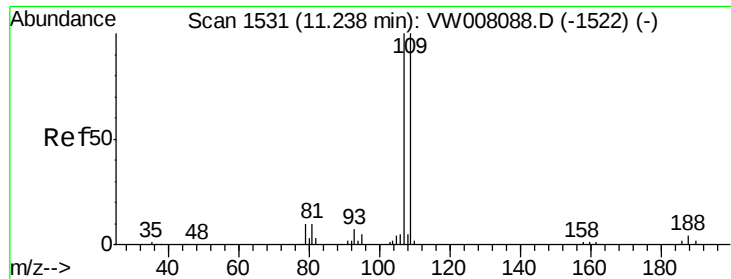
MMDadoda
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#60
Dibromochloromethane
Concen: 22.349 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion: 129 Resp: 13583
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.677 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:107 Resp: 11384

Ion Ratio Lower Upper

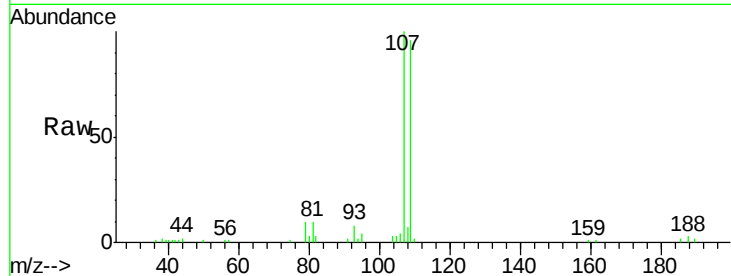
107 100

109 96.7 75.9 113.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

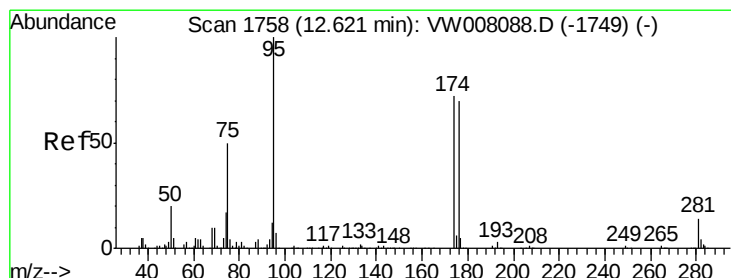
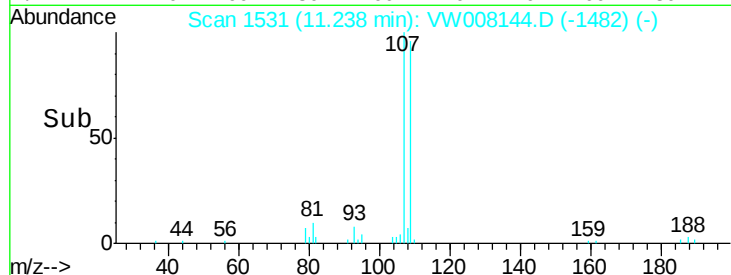
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 49.831 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

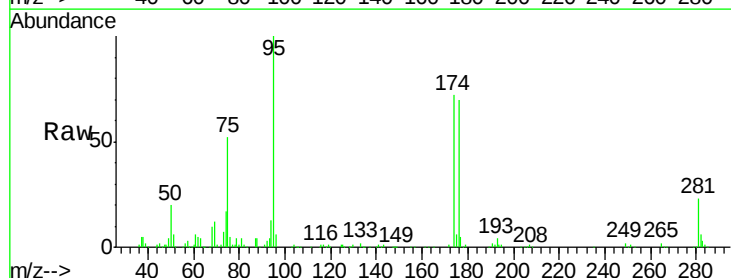
Tgt Ion: 95 Resp: 50661

Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.0

176 70.5 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

40000

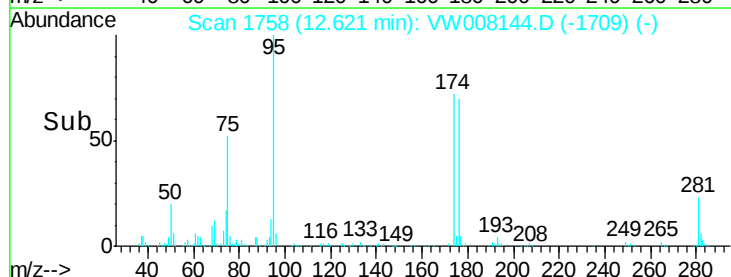
30000

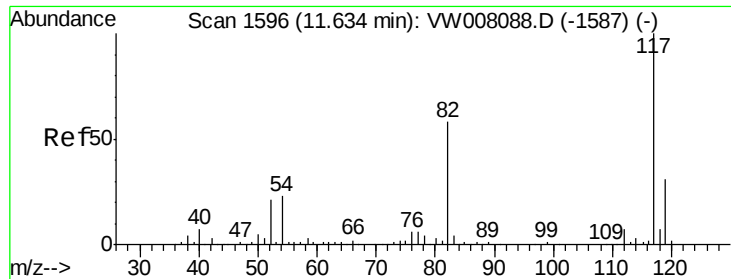
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





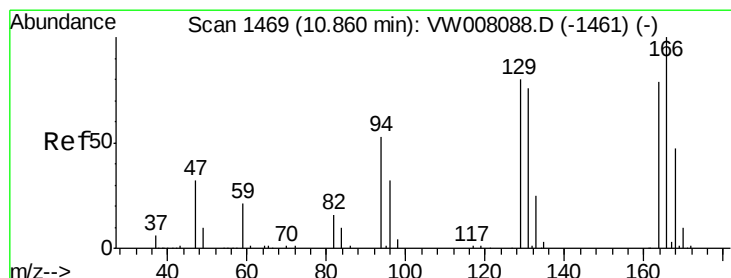
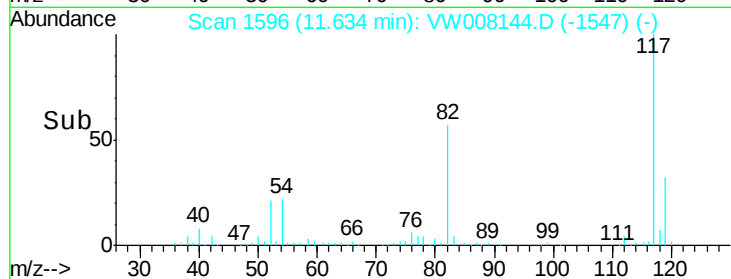
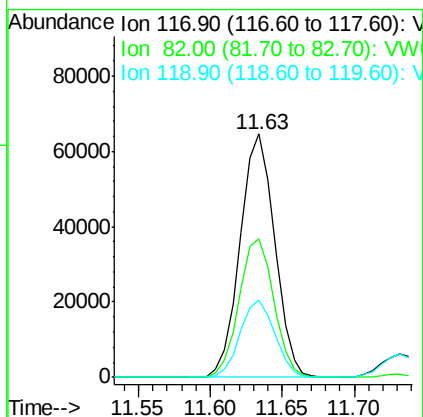
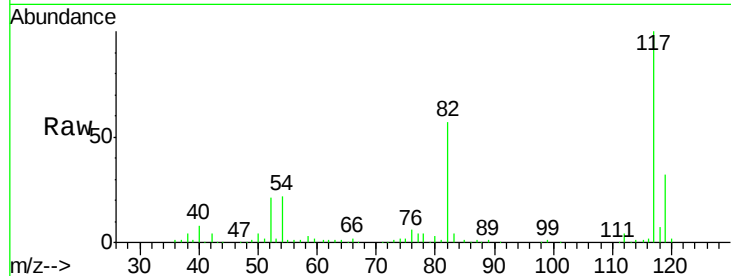
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.4	69.6
119	31.6	24.7	37.1

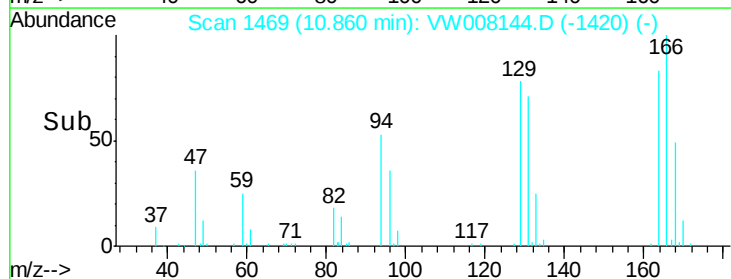
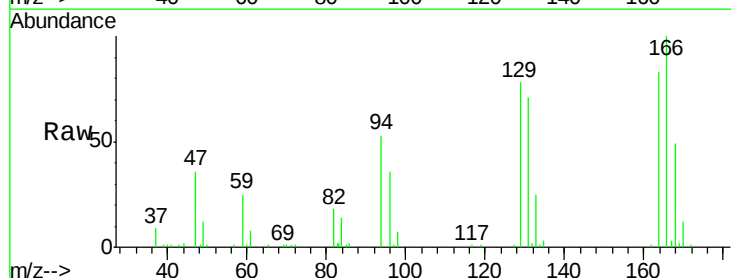
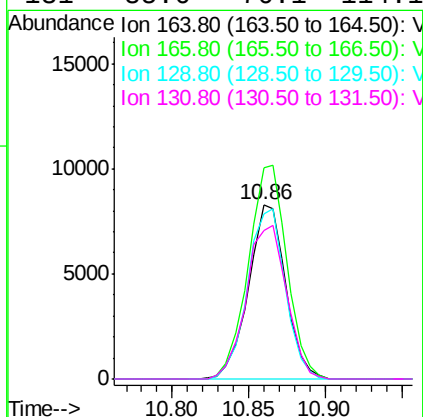
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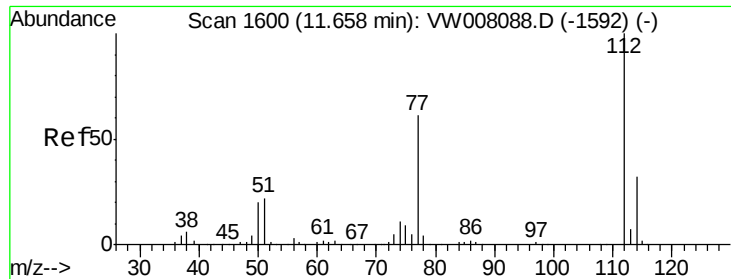
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#64
Tetrachloroethene
Concen: 19.970 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.7	151.1
129	94.6	81.0	121.4
131	85.6	76.1	114.1





#65

Chlorobenzene

Concen: 21.928 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:112 Resp: 50086

Ion Ratio Lower Upper

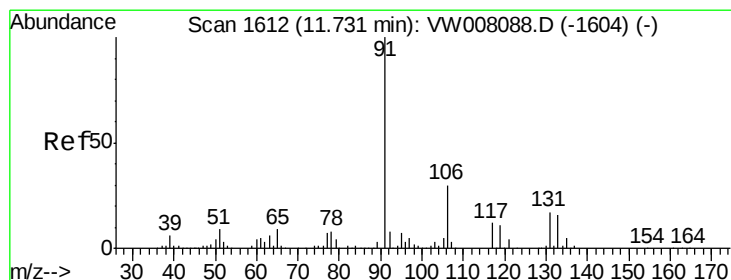
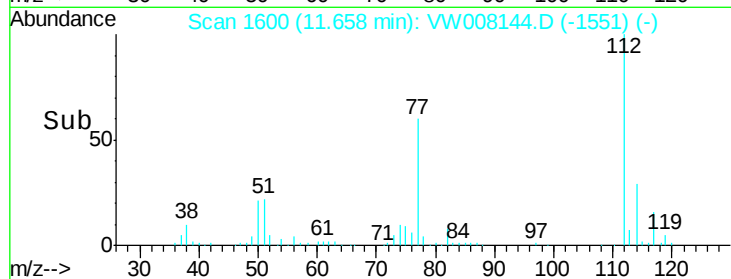
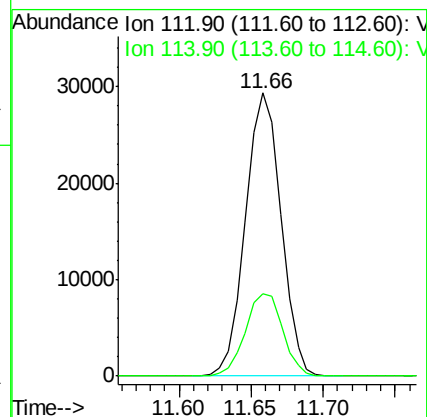
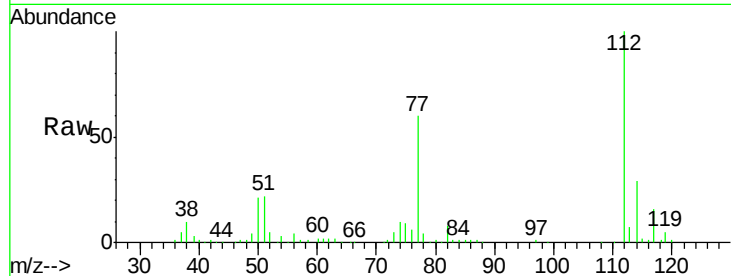
112 100

114 29.2 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.733 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

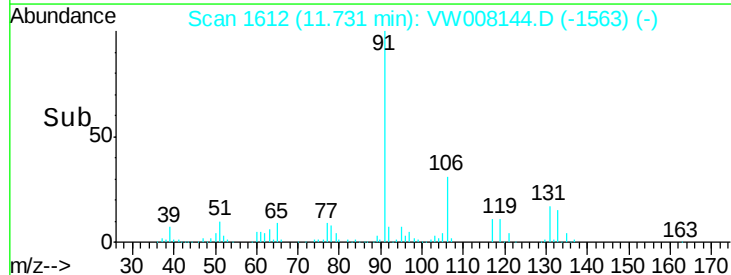
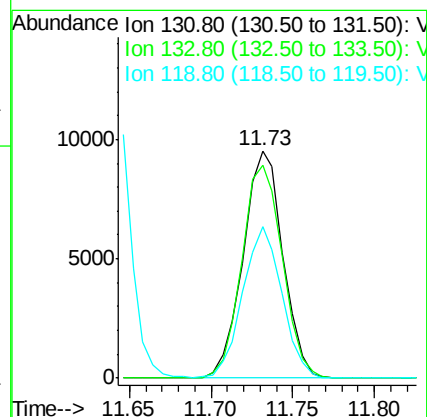
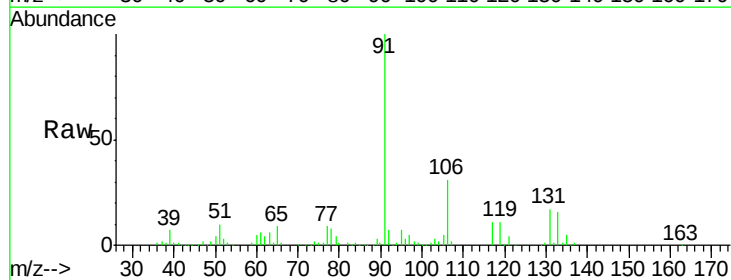
Tgt Ion:131 Resp: 16146

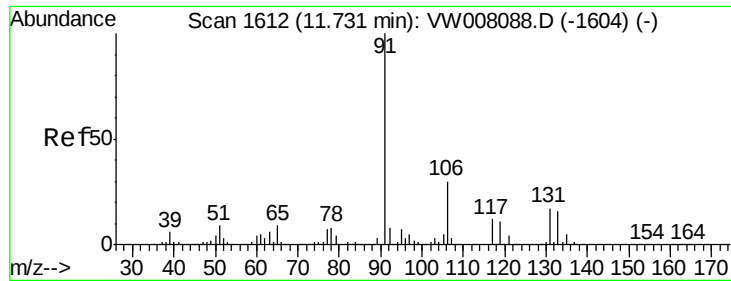
Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.7

119 65.7 32.5 97.4





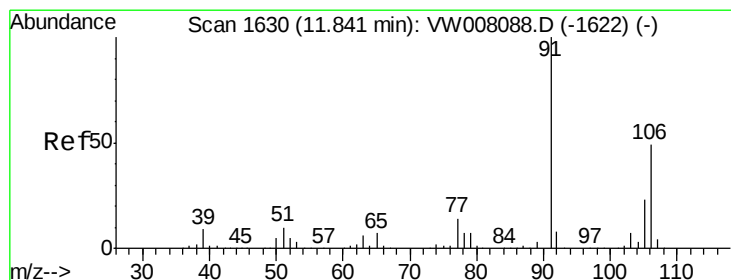
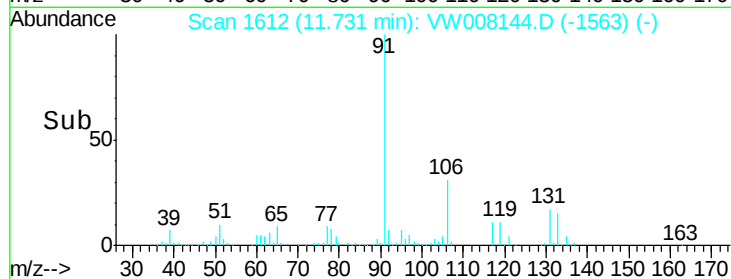
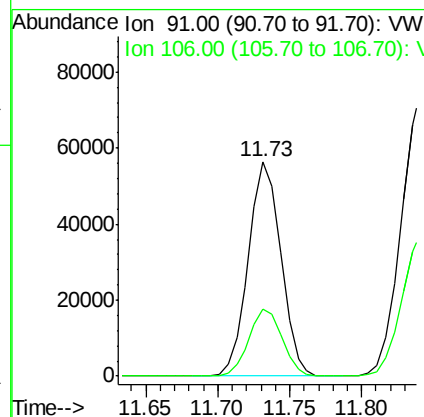
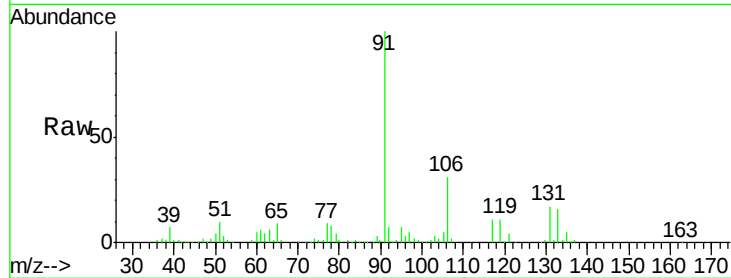
#67
Ethyl Benzene
Concen: 21.210 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion: 91 Resp: 88643
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

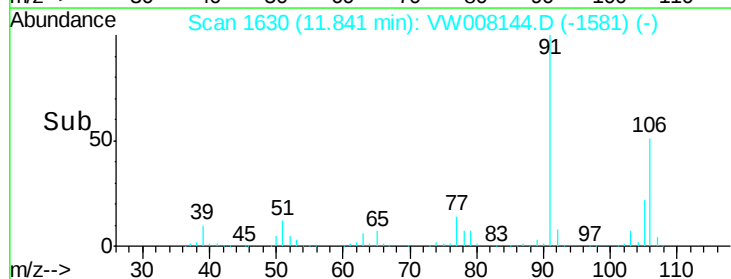
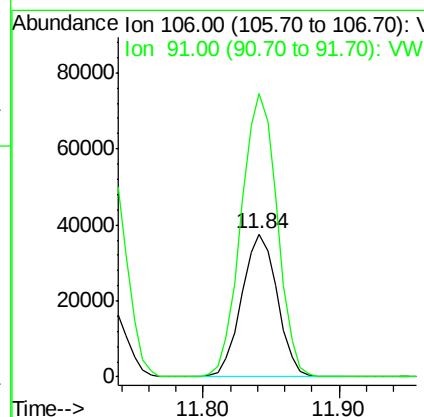
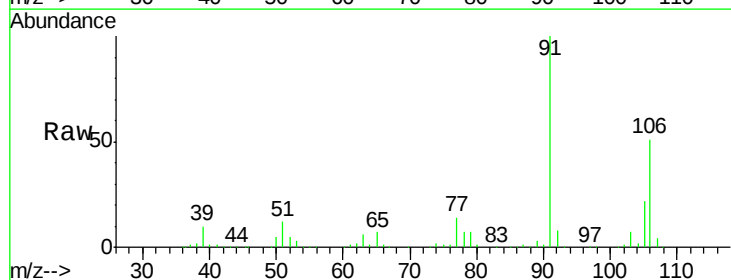
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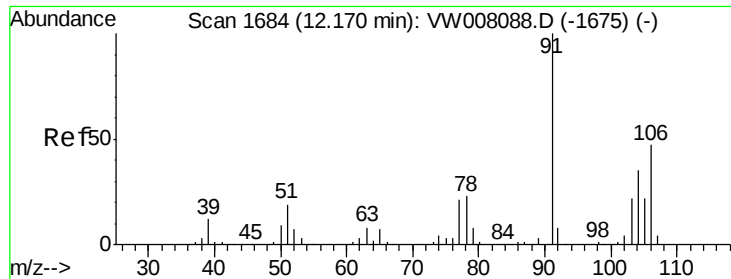
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#68
m/p-Xylenes
Concen: 42.941 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion:106 Resp: 68500
Ion Ratio Lower Upper
106 100
91 201.9 162.4 243.6





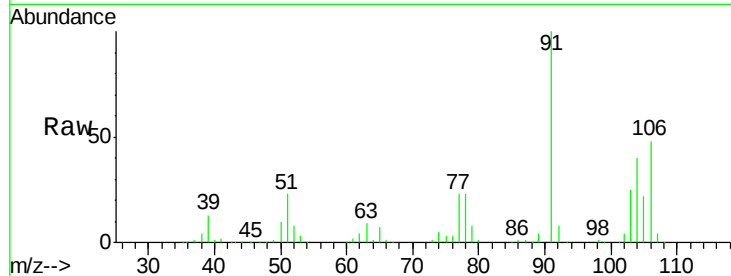
#69
o-Xylene
Concen: 21.381 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

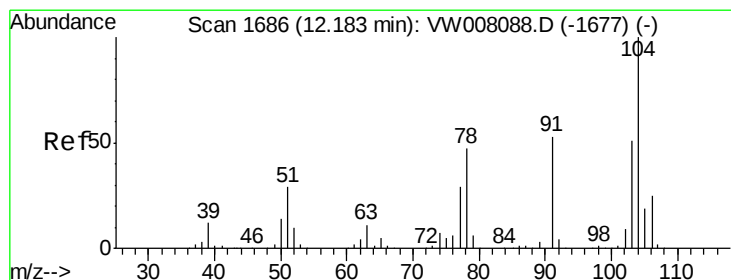
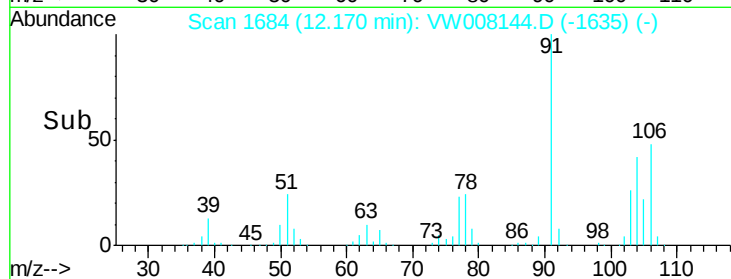
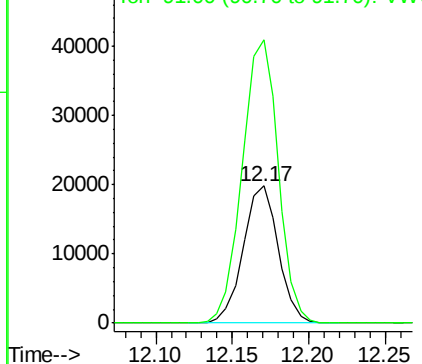
Tot Ion:106 Resp: 31585
Ion Ratio Lower Upper
106 100
91 211.8 107.8 323.6

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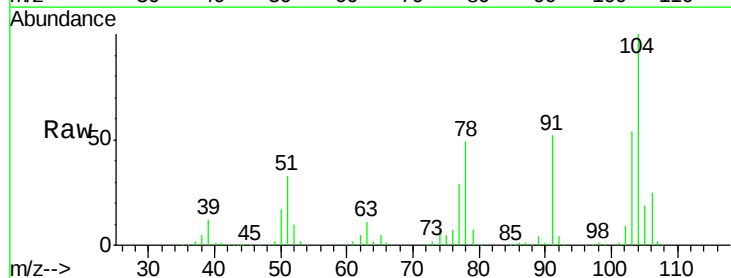


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

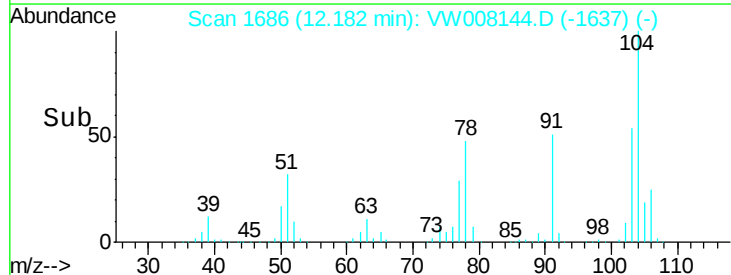
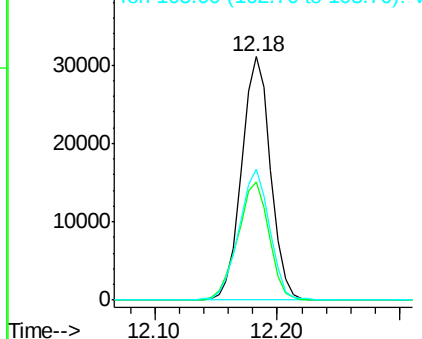


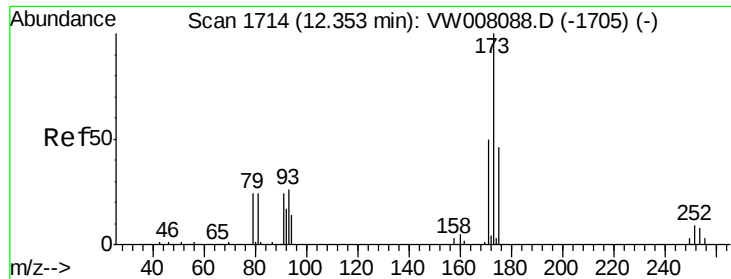
#70
Styrene
Concen: 21.957 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion:104 Resp: 50803
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 57.4 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.964 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

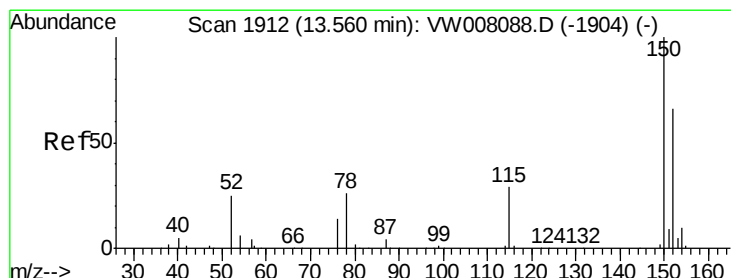
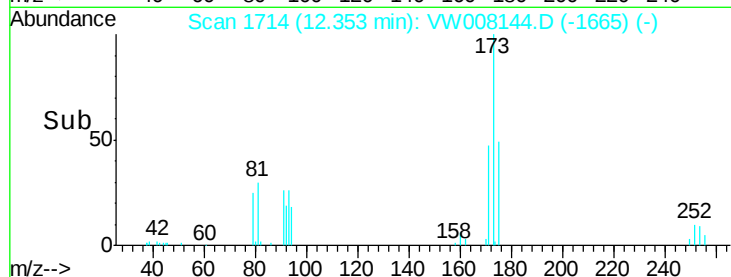
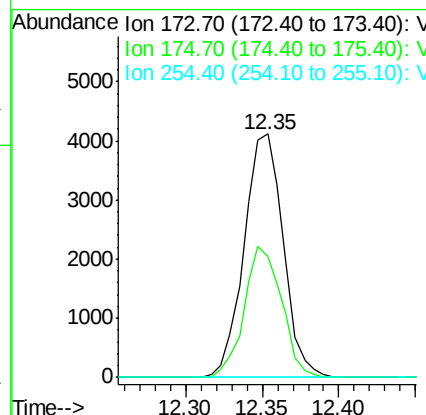
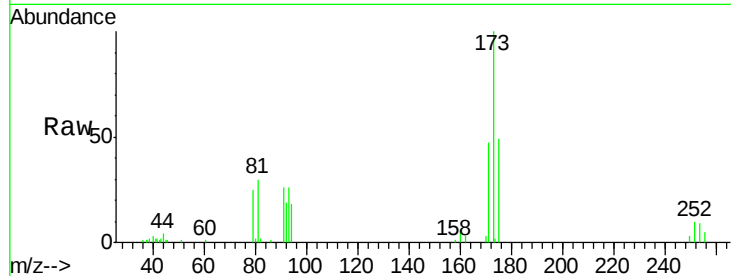
ClientSampleId :

VW0110SBS01

Tot Ion:	173	Resp:	7303
Ion	Ratio	Lower	Upper
173	100		
175	51.3	23.3	69.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

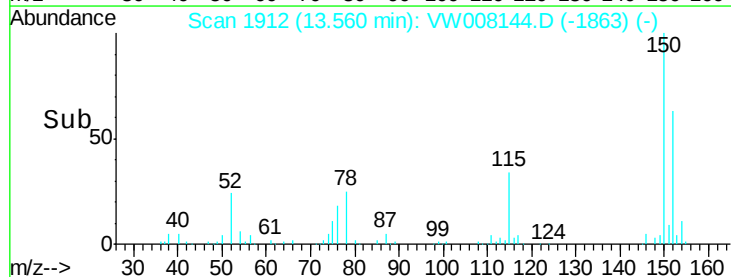
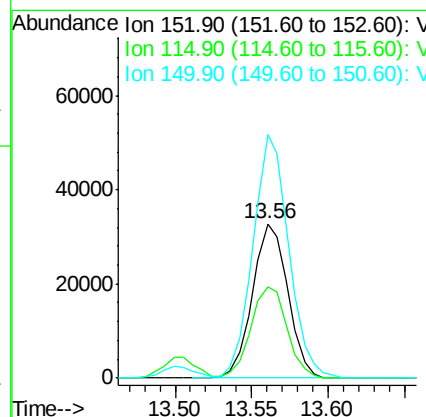
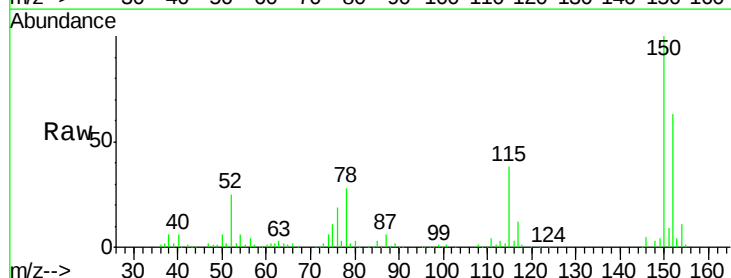
RT: 13.56 min Scan# 1912

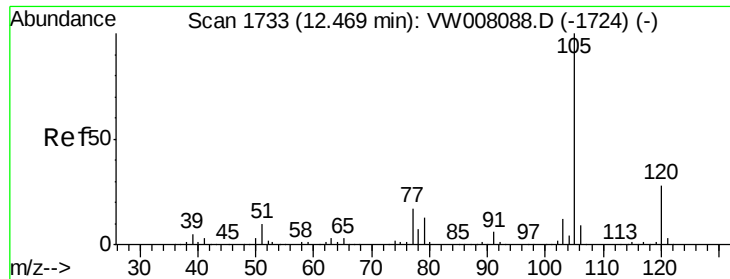
Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	152	Resp:	52722
Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.8	92.4
150	159.8	0.0	350.2





#73

Isopropylbenzene

Concen: 20.940 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:105 Resp: 86674

Ion Ratio Lower Upper

105 100

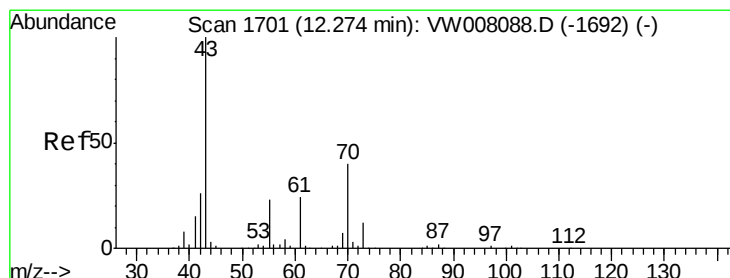
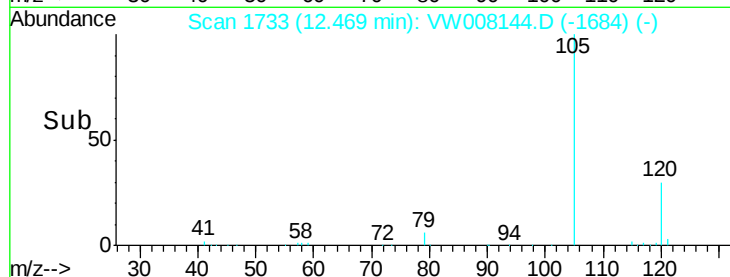
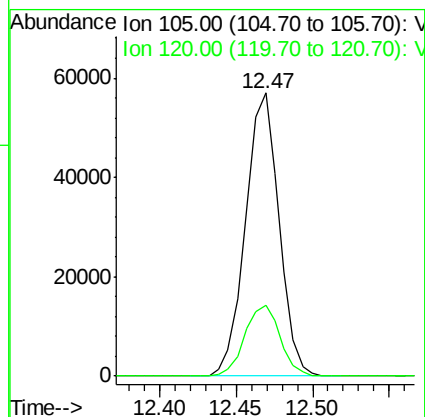
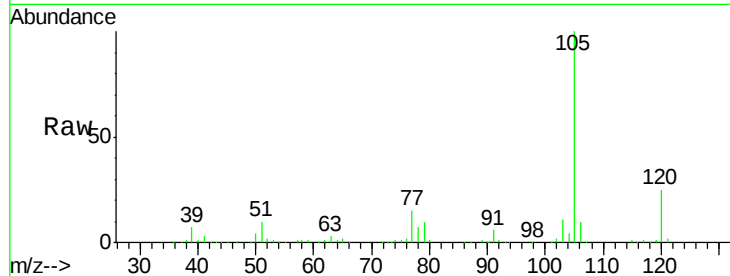
120 26.4 13.6 40.8

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#74

N-ethyl acetate

Concen: 21.412 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion: 43 Resp: 19627

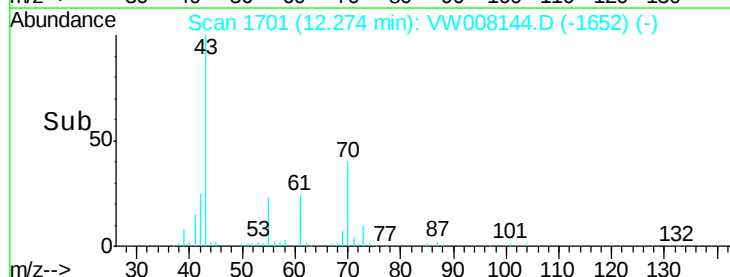
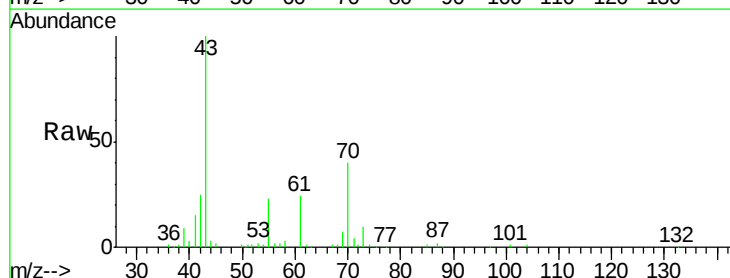
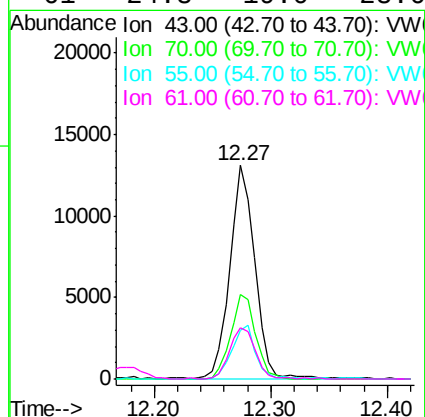
Ion Ratio Lower Upper

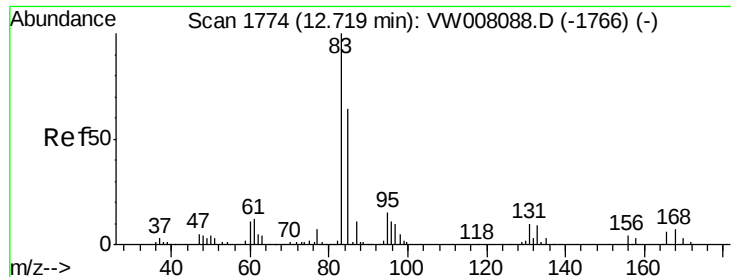
43 100

70 39.1 32.4 48.6

55 23.7 18.7 28.1

61 24.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.749 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

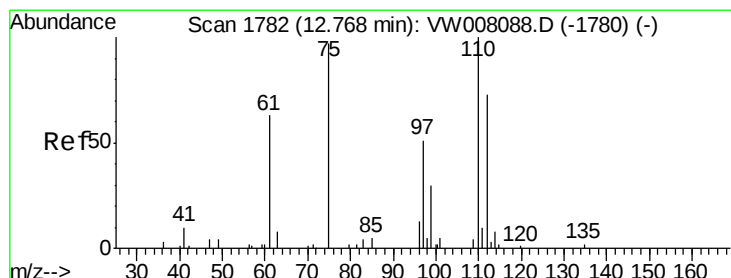
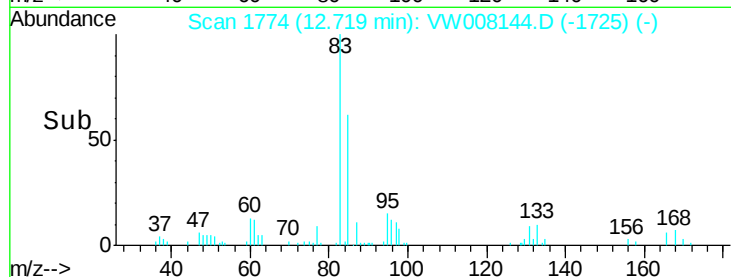
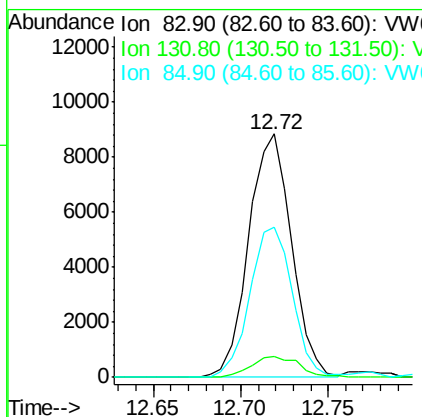
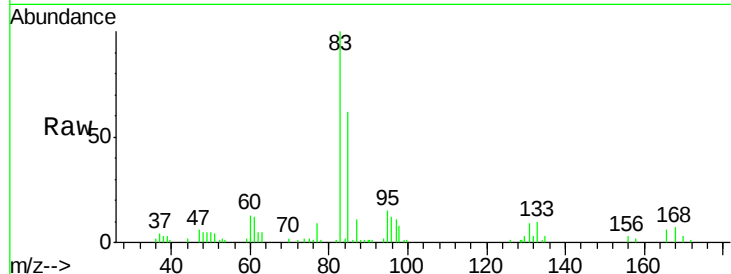
ClientSampleId :

VW0110SBS01

Tot Ion:	83	Resp:	15072
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	16.1
85	61.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.793 ug/l m

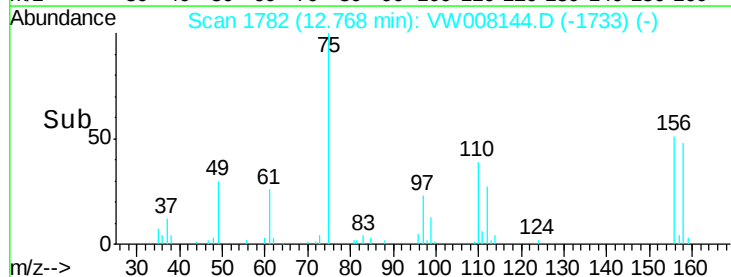
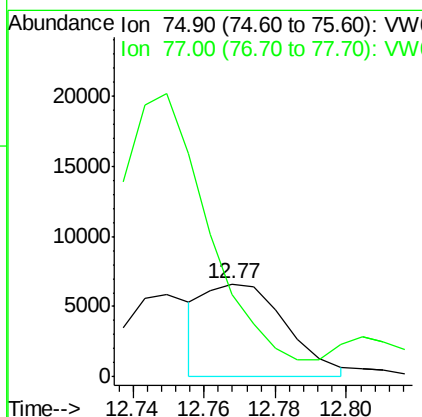
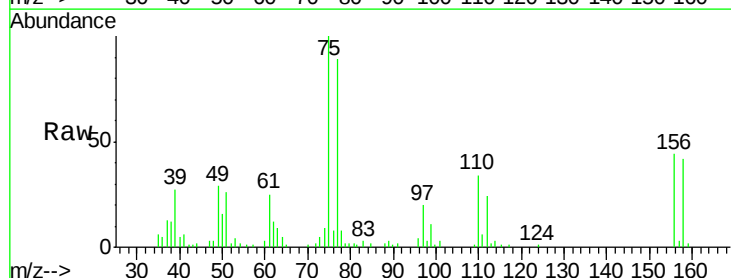
RT: 12.77 min Scan# 1782

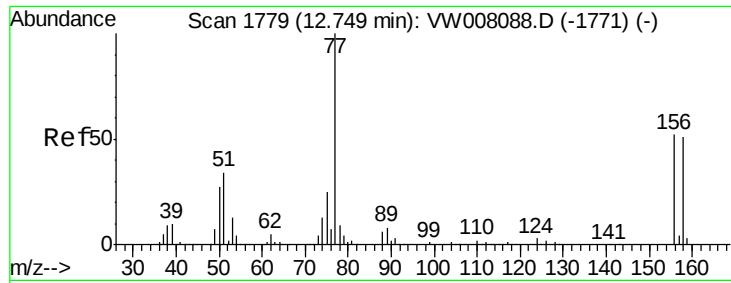
Delta R.T. 0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	75	Resp:	10474
Ion Ratio	Lower	Upper	
75	100		
77	361.0	179.4	538.2





#77

Bromobenzene

Concen: 20.675 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:156 Resp: 18082

Ion Ratio Lower Upper

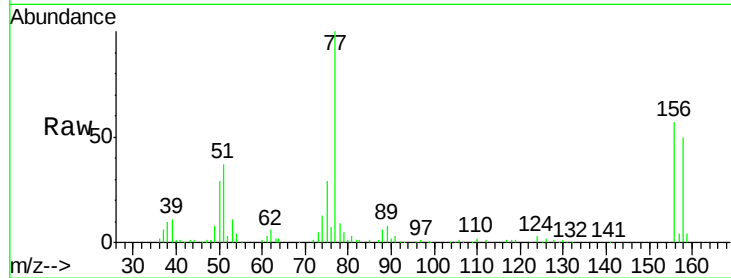
156 100

77 209.1 104.2 312.5

158 93.6 47.9 143.6

Manual Integrations
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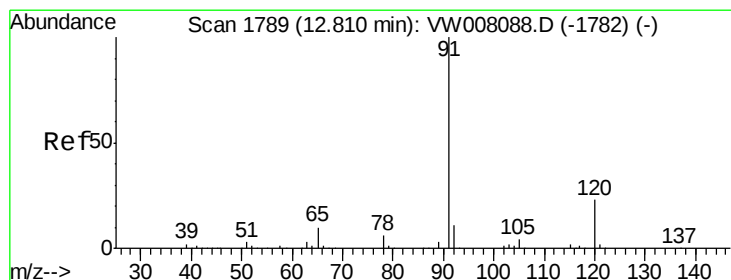
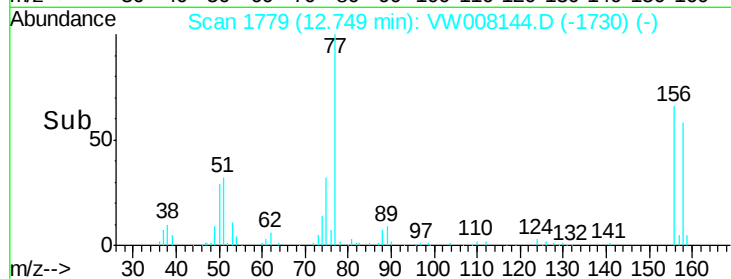
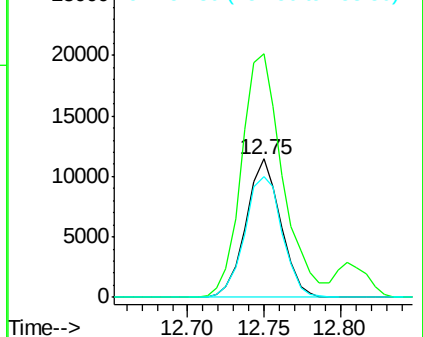
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.401 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008144.D

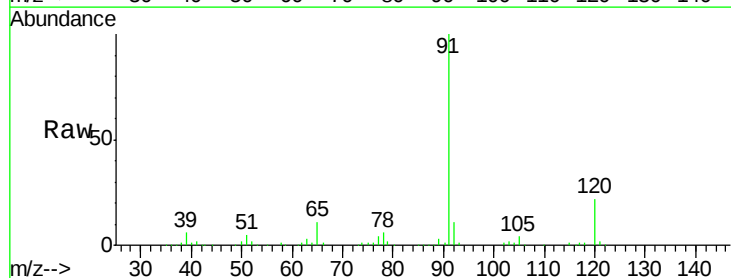
Acq: 10 Jan 2019 13:15

Tgt Ion: 91 Resp: 108536

Ion Ratio Lower Upper

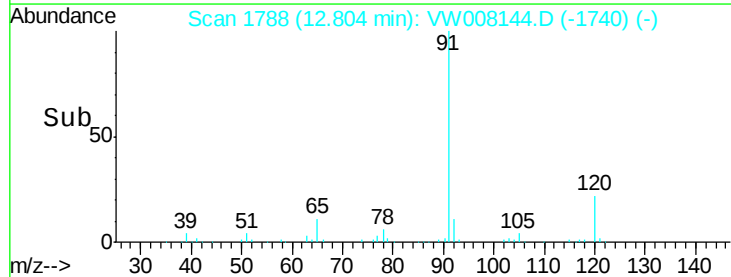
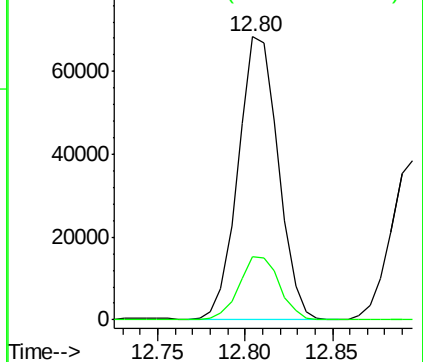
91 100

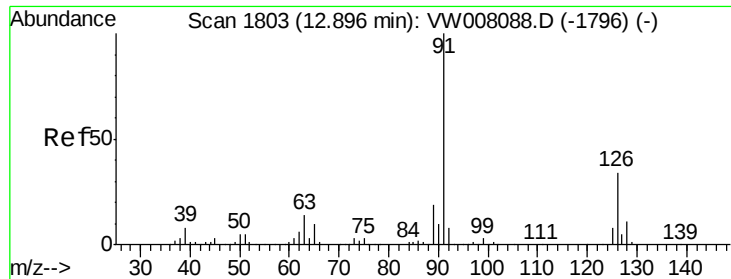
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.445 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampled :

VW0110SBS01

Tot Ion: 91 Resp: 60678

Ion Ratio Lower Upper

91 100

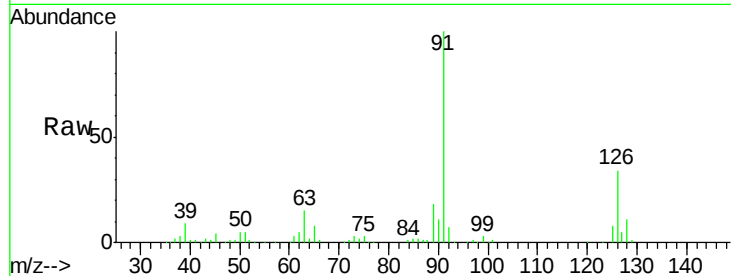
126 33.1 16.8 50.3

Manual Integrations

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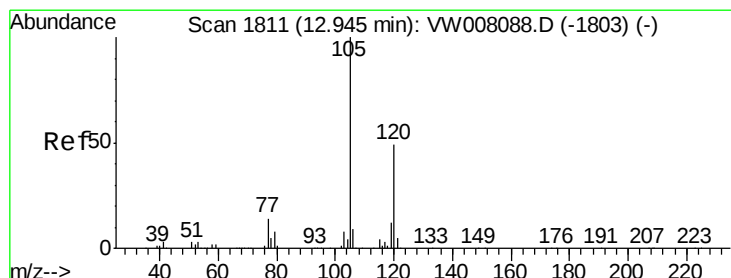
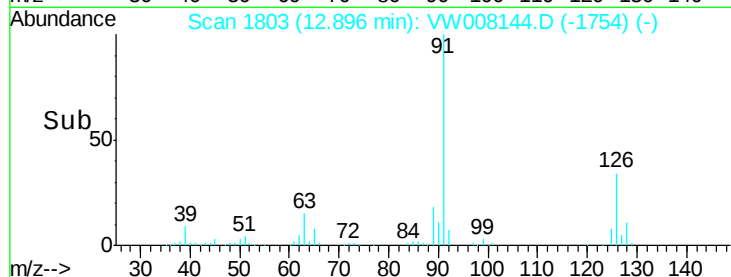
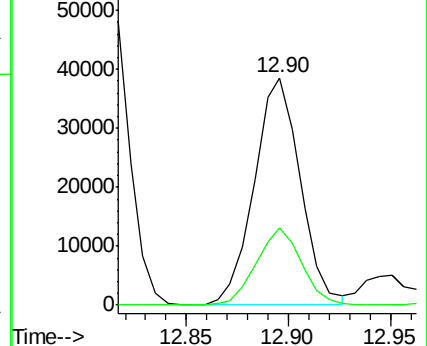
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.403 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008144.D

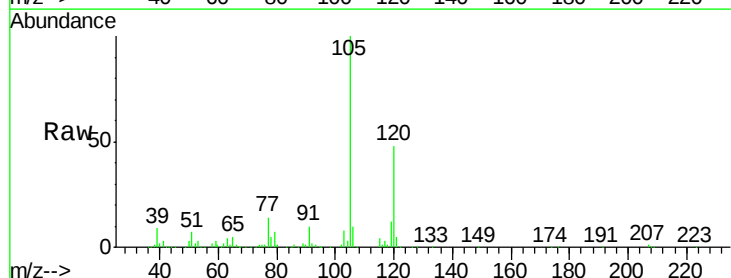
Acq: 10 Jan 2019 13:15

Tgt Ion:105 Resp: 72801

Ion Ratio Lower Upper

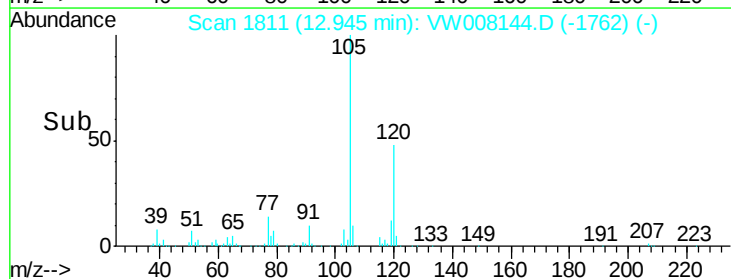
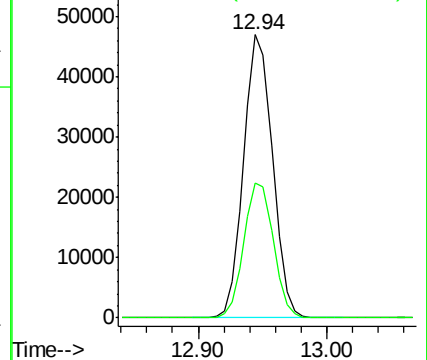
105 100

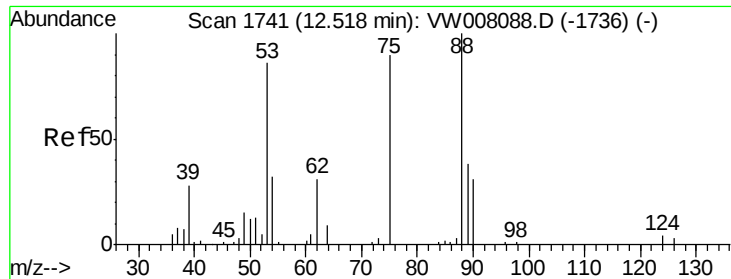
120 48.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





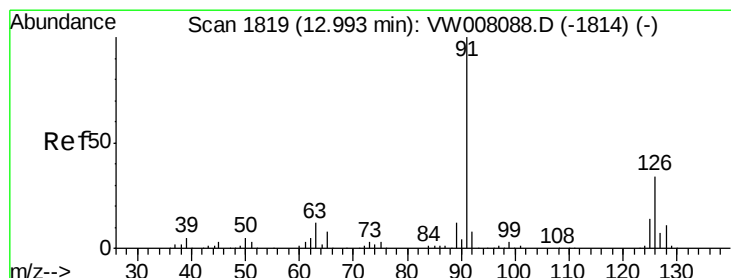
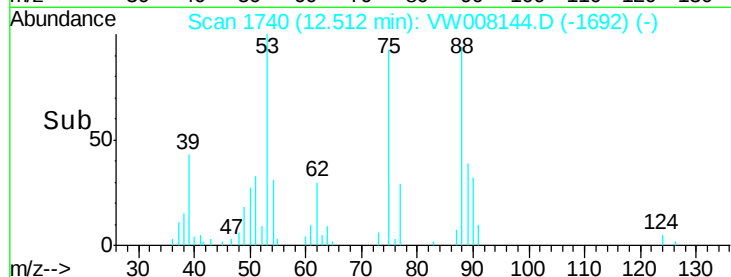
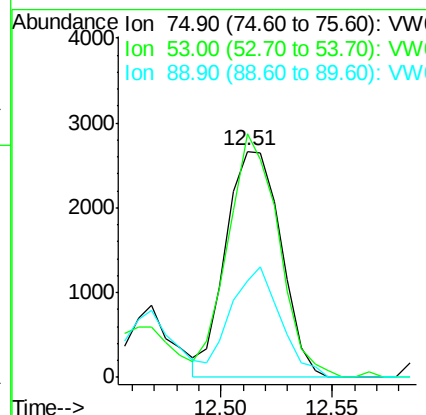
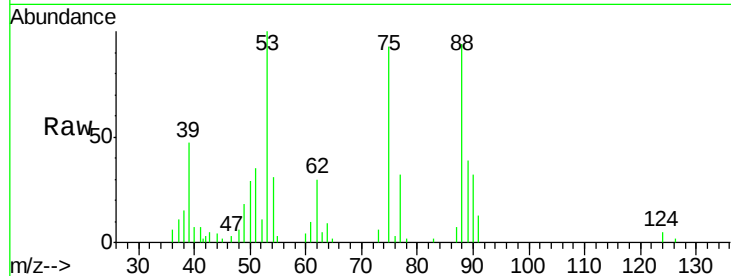
#81
trans-1,4-Dichloro-2-butene
Concen: 22.230 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	78.8	118.2
89	43.5	35.4	53.2

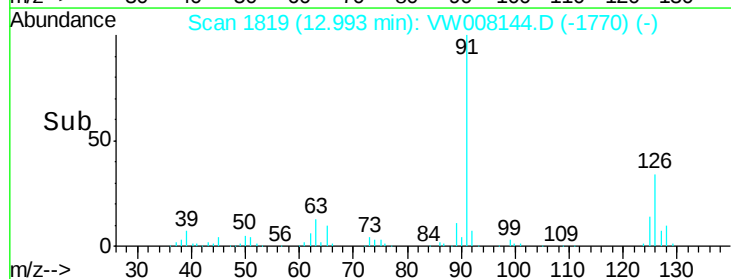
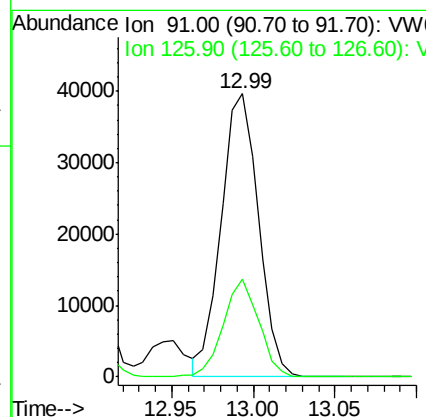
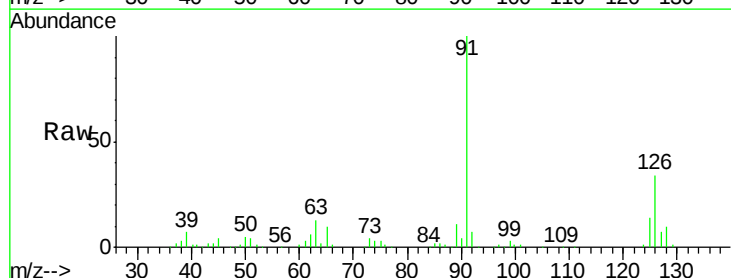
Manual Integrations
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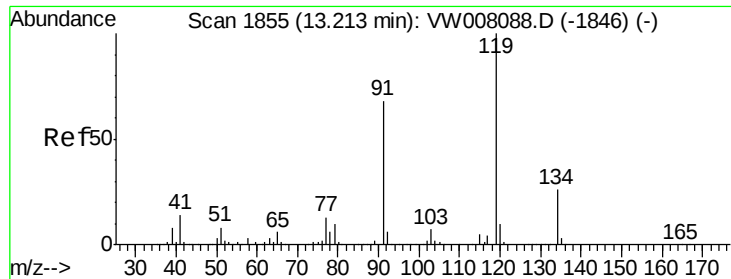
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#82
4-Chlorotoluene
Concen: 21.216 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.5	49.5





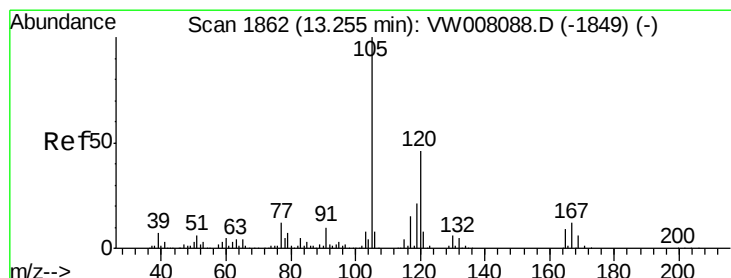
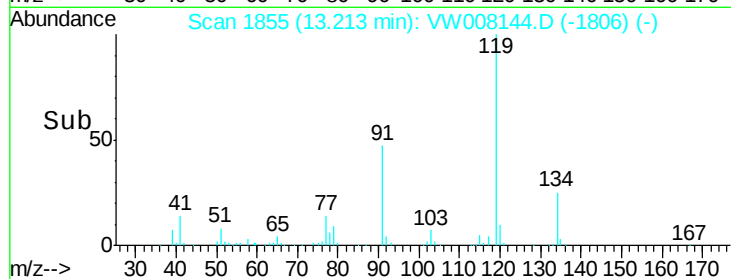
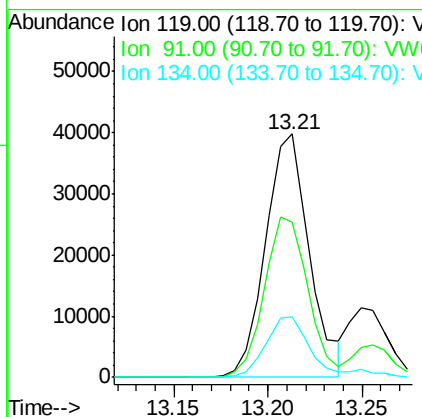
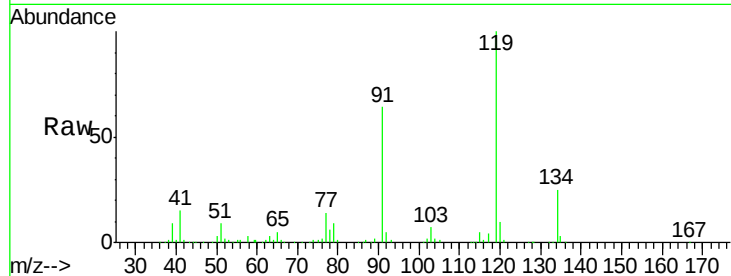
#83
tert-Butylbenzene
Concen: 21.335 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.9	101.6
134	26.6	13.6	40.8

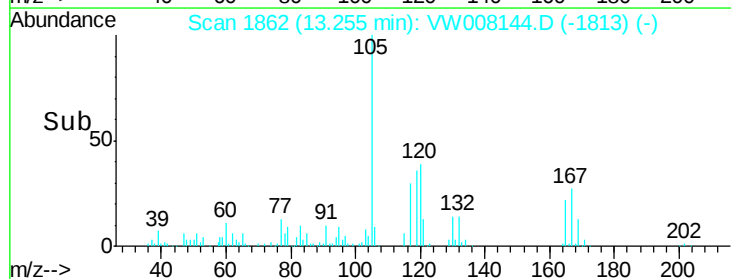
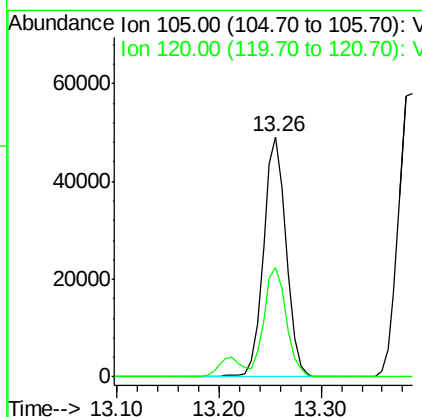
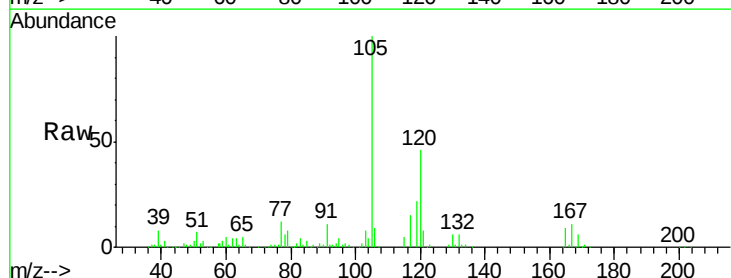
Manual Integrations
APPROVED

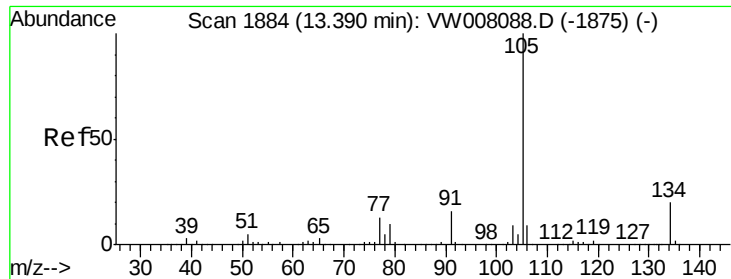
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#84
1,2,4-Trimethylbenzene
Concen: 21.596 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.166 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion:105 Resp: 93302

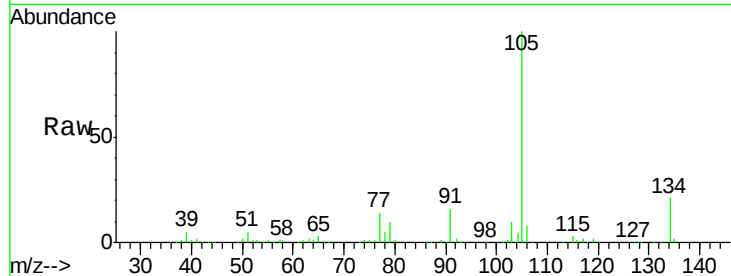
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

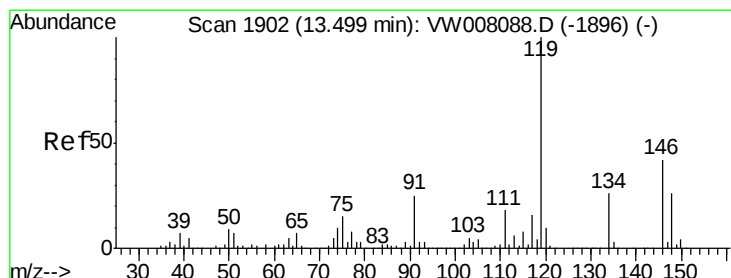
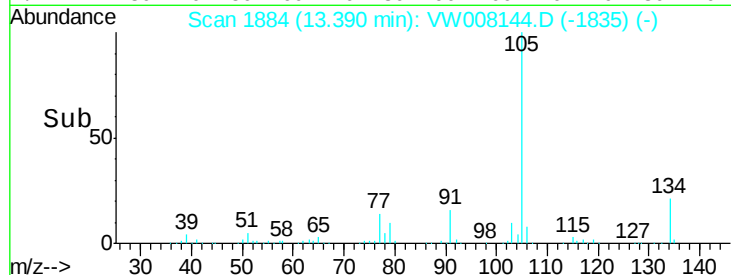
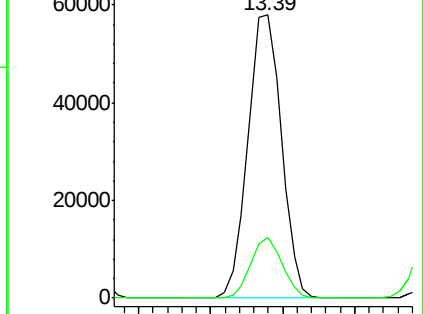
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.434 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

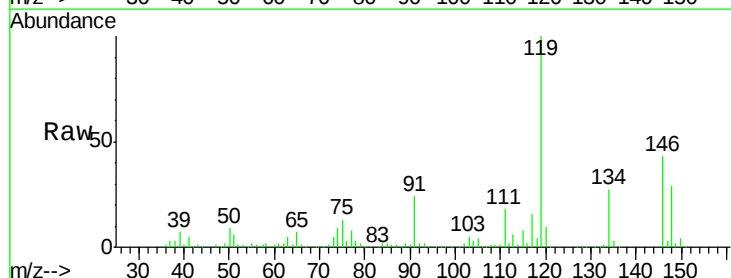
Tgt Ion:119 Resp: 81587

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

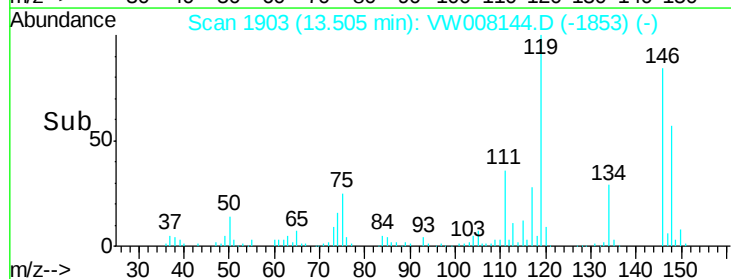
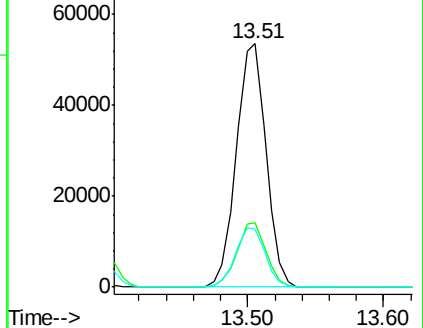
91 24.4 12.3 36.9

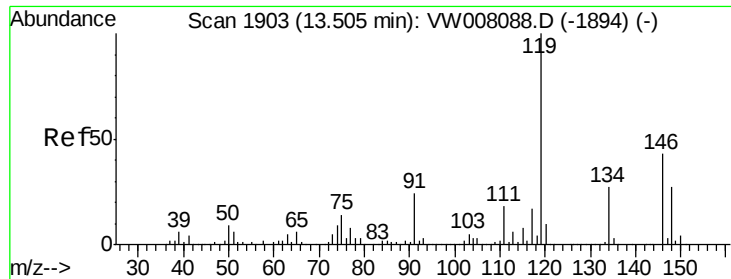


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





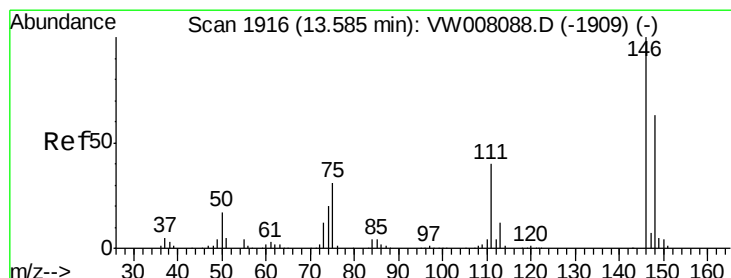
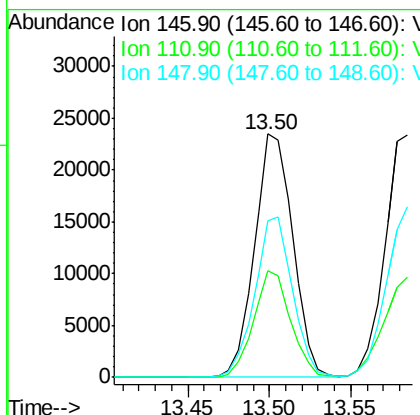
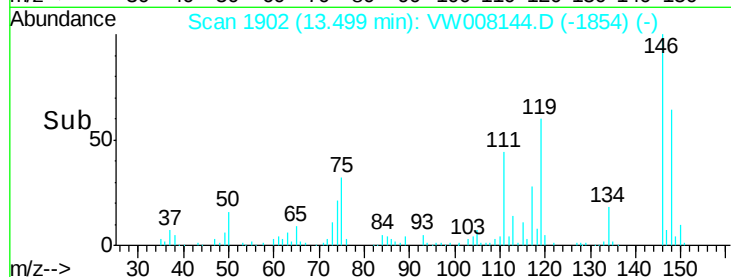
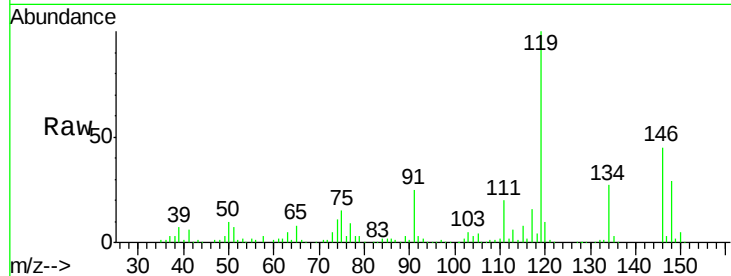
#87
 1,3-Dichlorobenzene
 Concen: 21.537 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.1
148	64.9	31.3	93.9

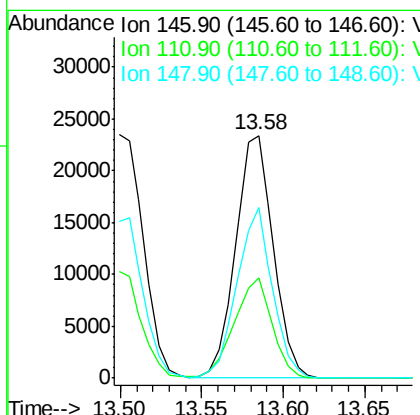
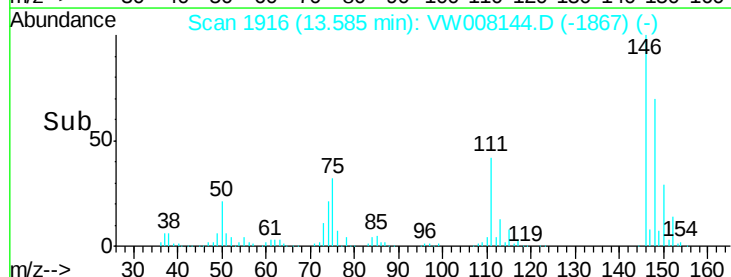
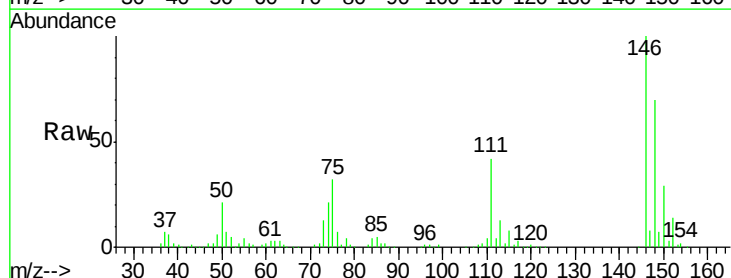
Manual Integrations
 APPROVED

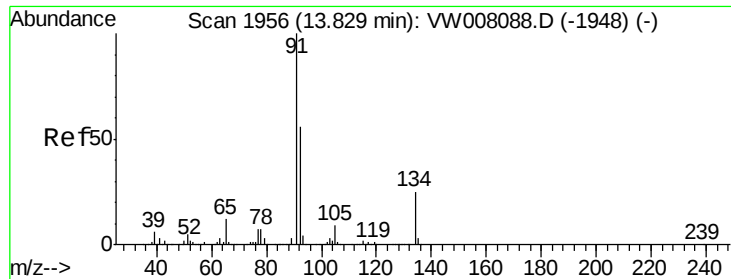
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#88
 1,4-Dichlorobenzene
 Concen: 21.093 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.5
148	66.5	31.6	94.8





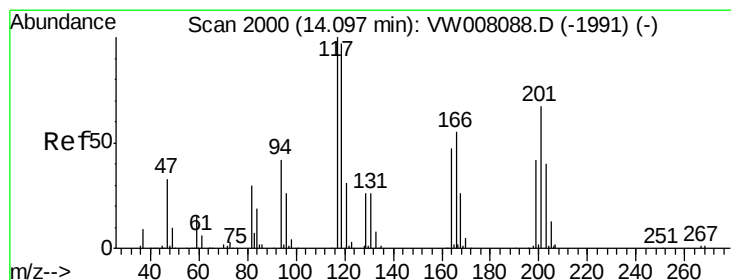
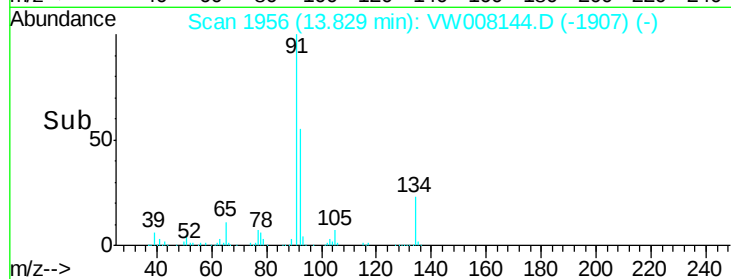
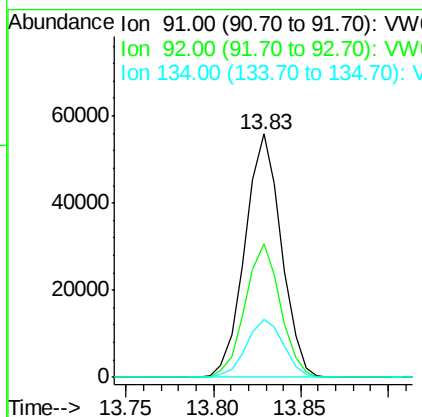
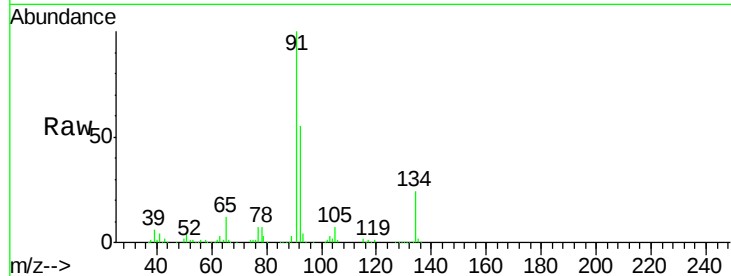
#89
n-Butylbenzene
Concen: 21.608 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.4	82.2
134	24.4	12.6	37.8

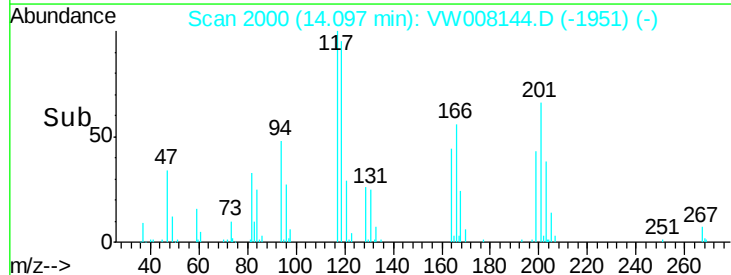
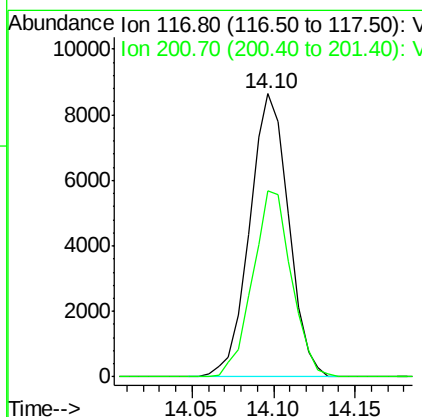
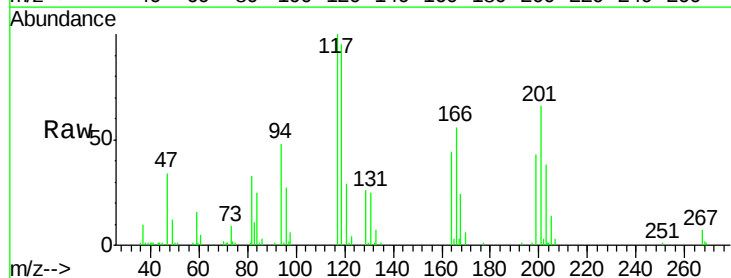
Manual Integrations
APPROVED

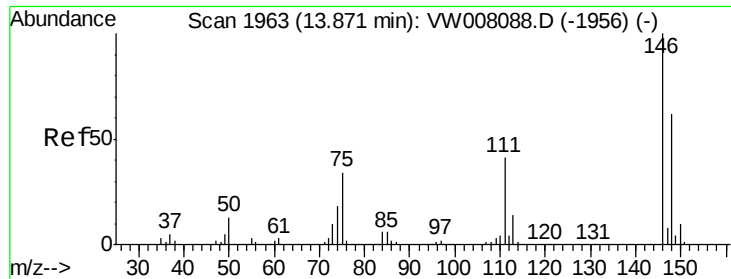
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#90
Hexachloroethane
Concen: 22.254 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008144.D
Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	33.0	98.9





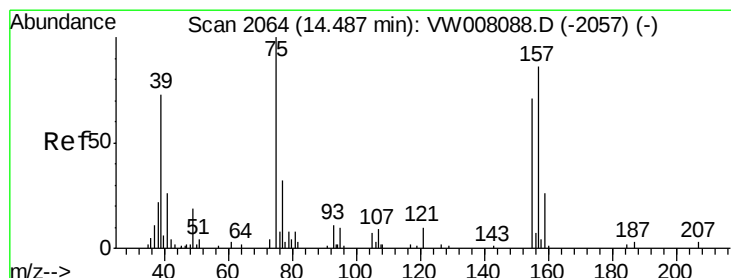
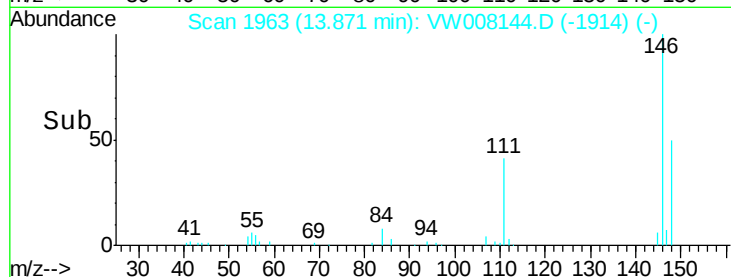
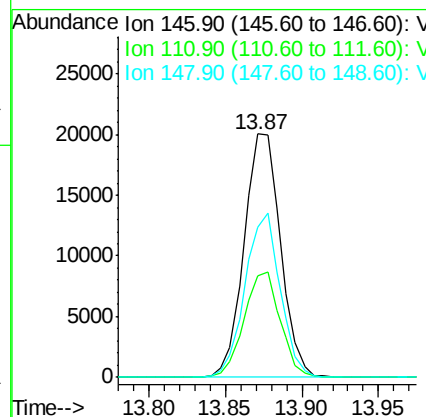
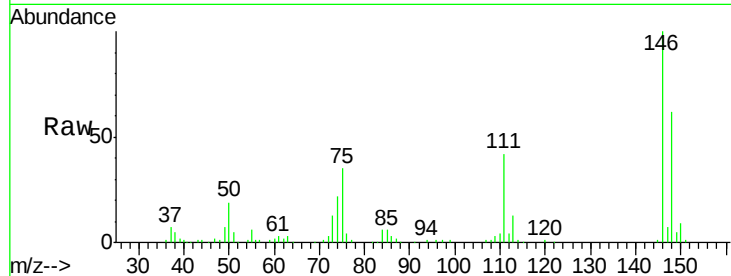
#91
 1,2-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	64.9	31.5	94.5

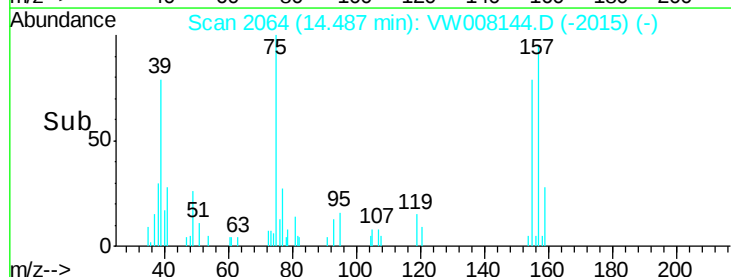
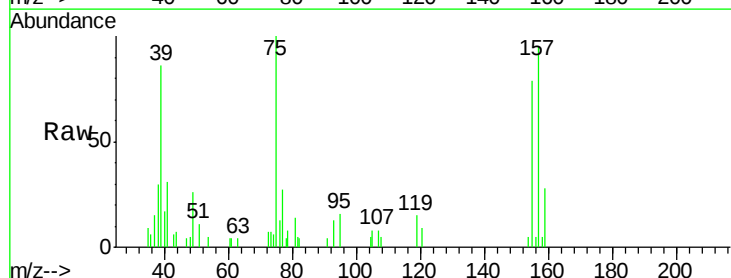
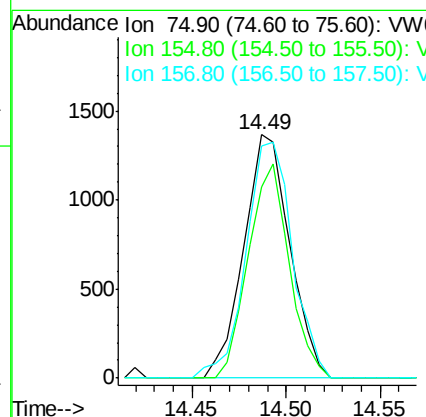
Manual Integrations
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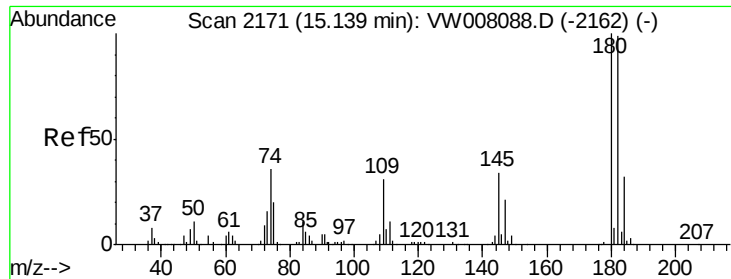
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.721 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	38.6	115.7
157	97.9	47.5	142.6





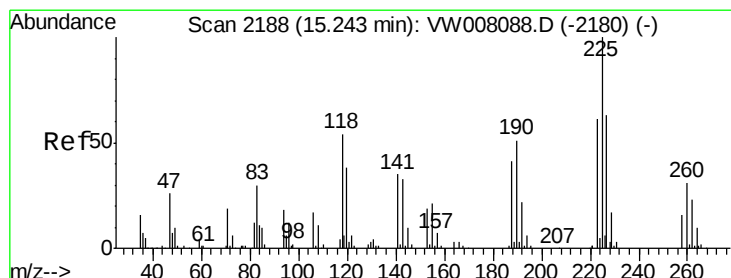
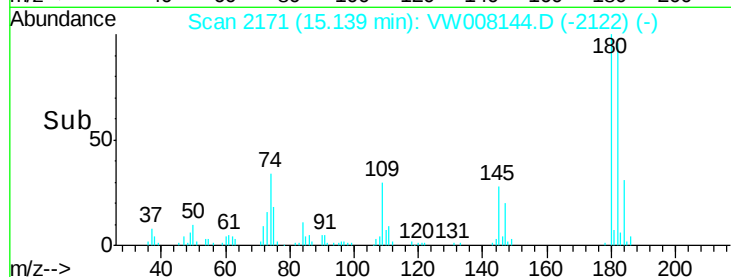
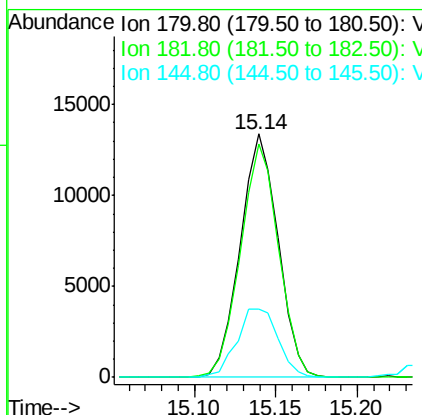
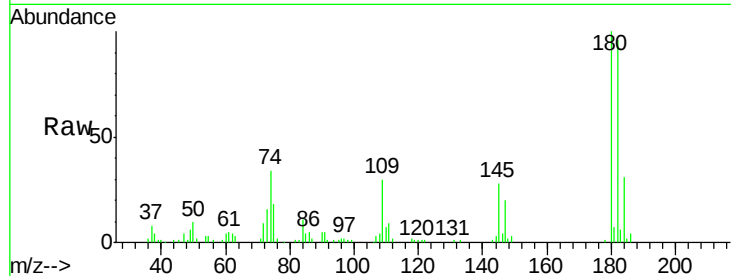
#93
 1,2,4-Trichlorobenzene
 Concen: 20.935 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.6	145.9
145	30.8	16.6	49.7

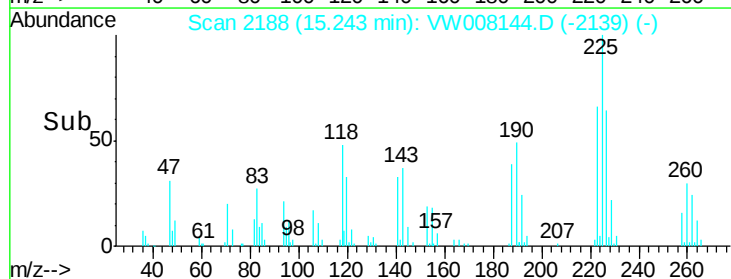
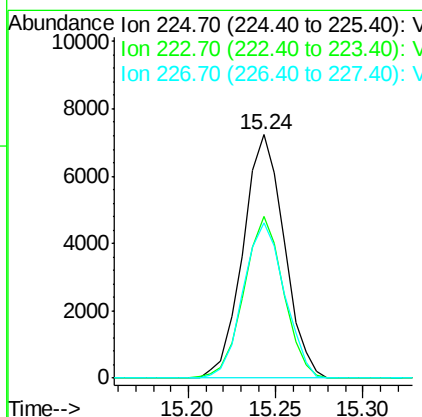
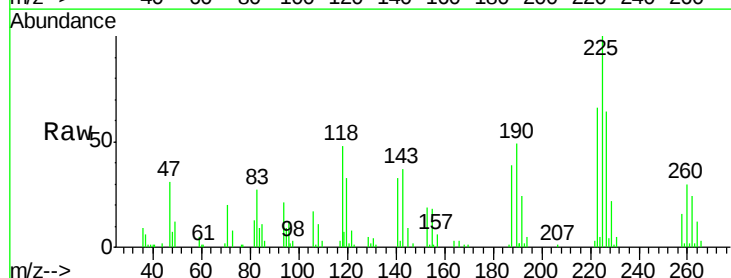
Manual Integrations
 APPROVED

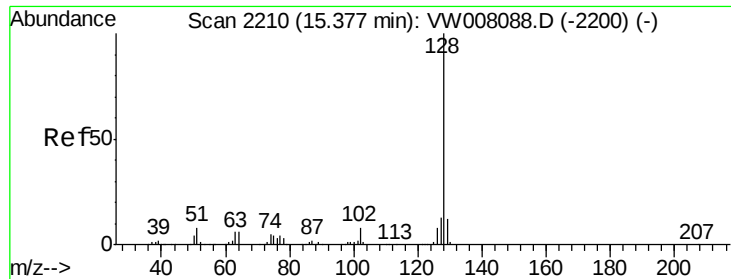
MMDadoda
 1/11/2019 2:27:36 PM



#94
 Hexachlorobutadiene
 Concen: 21.346 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008144.D
 Acq: 10 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.4	94.3
227	63.9	32.0	96.2





#95

Naphthalene

Concen: 20.279 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Instrument :

MSVOA_W

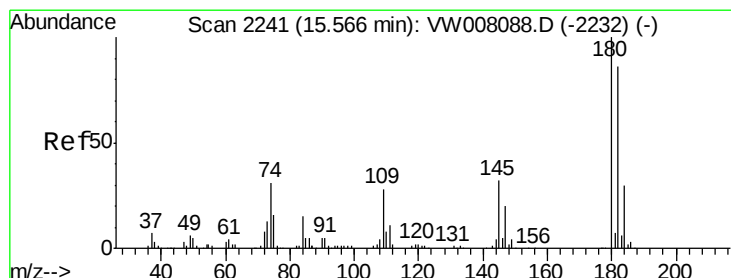
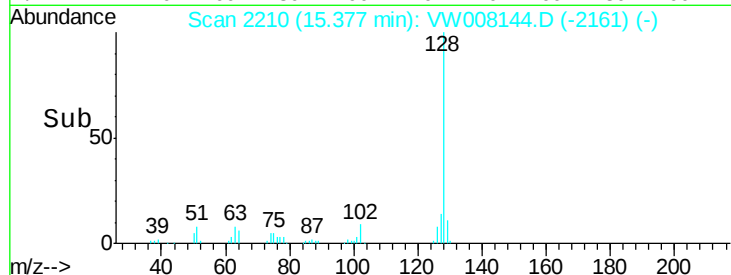
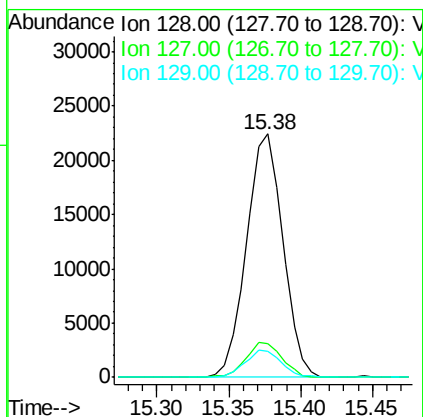
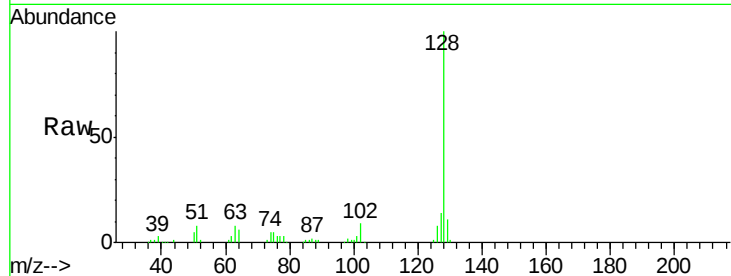
ClientSampleId :

VW0110SBS01

Tot Ion:	128	Resp:	39197
Ion Ratio	Lower	Upper	
128	100		
127	14.3	11.0	16.4
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/11/2019 2:27:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.642 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW008144.D

Acq: 10 Jan 2019 13:15

Tgt Ion:	180	Resp:	18216
Ion Ratio	Lower	Upper	
180	100		
182	97.6	46.5	139.3
145	32.7	17.4	52.2

