

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008145.D
 Acq On : 10 Jan 2019 13:41
 Operator : SY/AP
 Sample : VW0110SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:27:40 PM

Quant Time: Jan 11 05:53:20 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	70028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	126516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	56450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	41435	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.88	113	38461	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.32	98	164998	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	56651	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11169	19.543	ug/l	88
3) Chloromethane	2.21	50	14793	19.951	ug/l	98
4) Vinyl Chloride	2.37	62	19745	20.404	ug/l	96
5) Bromomethane	2.78	94	15607	21.529	ug/l	94
6) Chloroethane	2.93	64	12861	17.661	ug/l	97
7) Trichlorofluoromethane	3.26	101	14863	18.892	ug/l	85
8) Diethyl Ether	3.67	74	8918	20.051	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15004	19.209	ug/l	99
10) Methyl Iodide	4.27	142	20864	18.327	ug/l	97
11) Tert butyl alcohol	5.20	59	4871	82.837	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	14996	19.554	ug/l	91
13) Acrolein	3.89	56	4255	80.188	ug/l	98
14) Allyl chloride	4.67	41	28016	20.121	ug/l	98
15) Acrylonitrile	5.37	53	17787	105.045	ug/l	99
16) Acetone	4.12	43	16439	103.834	ug/l	91
17) Carbon Disulfide	4.37	76	45106	18.828	ug/l	99
18) Methyl Acetate	4.67	43	10093	20.290	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	23983	19.237	ug/l #	90
20) Methylene Chloride	4.92	84	18141	20.582	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	16508	19.808	ug/l	94
22) Diisopropyl ether	6.31	45	54060	20.358	ug/l	99
23) Vinyl Acetate	6.26	43	142030	101.840	ug/l	99
24) 1,1-Dichloroethane	6.21	63	31187	20.157	ug/l	98
25) 2-Butanone	7.18	43	22611	103.254	ug/l	98
26) 2,2-Dichloropropane	7.16	77	20668	19.715	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	18332	20.161	ug/l	98
28) Bromochloromethane	7.51	49	12262	20.037	ug/l	97
29) Tetrahydrofuran	7.54	42	14609	99.872	ug/l	99
30) Chloroform	7.68	83	30147	20.470	ug/l	98
31) Cyclohexane	7.95	56	30729	18.552	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	25302	19.745	ug/l	98
36) 1,1-Dichloropropene	8.09	75	24922	19.123	ug/l	99
37) Ethyl Acetate	7.26	43	10302	19.731	ug/l	98
38) Carbon Tetrachloride	8.07	117	22888	19.188	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31239	18.904	ug/l	90
40) Benzene	8.32	78	69247	19.590	ug/l	99
41) Methacrylonitrile	7.48	41	6208	18.822	ug/l	92
42) 1,2-Dichloroethane	8.40	62	18675	18.785	ug/l	99
43) Isopropyl Acetate	8.43	43	19824	18.990	ug/l	100
44) Trichloroethene	9.09	130	17105	18.904	ug/l	99
45) 1,2-Dichloropropane	9.37	63	17707	20.203	ug/l	99
46) Dibromomethane	9.46	93	8647	20.089	ug/l	95
47) Bromodichloromethane	9.65	83	21283	19.473	ug/l	95
48) Methyl methacrylate	9.44	41	9087	18.448	ug/l	91
49) 1,4-Dioxane	9.46	88	2644	381.957	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	49990	98.929	ug/l	98
52) Toluene	10.39	92	43695	19.356	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	21704	19.091	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	26394	19.578	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12276	20.313	ug/l	96
56) Ethyl methacrylate	10.65	69	14535	19.421	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21591	19.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	39186	101.362	ug/l	99
59) 2-Hexanone	10.97	43	34593	101.233	ug/l	97
60) Dibromochloromethane	11.13	129	13501	20.344	ug/l	100
61) 1,2-Dibromoethane	11.24	107	11441	19.952	ug/l	98
64) Tetrachloroethene	10.86	164	13833	18.393	ug/l	96
65) Chlorobenzene	11.66	112	47827	19.534	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15451	19.403	ug/l	100
67) Ethyl Benzene	11.73	91	85292	19.039	ug/l	95
68) m/p-Xylenes	11.84	106	64920	37.967	ug/l	99
69) o-Xylene	12.17	106	28958	18.288	ug/l	97
70) Styrene	12.18	104	47628	19.204	ug/l	98
71) Bromoform	12.35	173	7045	19.767	ug/l #	89
73) Isopropylbenzene	12.47	105	83570	18.857	ug/l	99
74) N-amyl acetate	12.27	43	18231	18.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13883	19.571	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8380m	16.284	ug/l	
77) Bromobenzene	12.75	156	17577	18.770	ug/l	97
78) n-propylbenzene	12.81	91	102460	18.868	ug/l	100
79) 2-Chlorotoluene	12.90	91	57219	18.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	69983	19.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4075	18.440	ug/l	96
82) 4-Chlorotoluene	12.99	91	60557	18.979	ug/l	100
83) tert-Butylbenzene	13.21	119	59855	18.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	71702	19.089	ug/l	98
85) sec-Butylbenzene	13.39	105	90256	19.123	ug/l	100
86) p-Isopropyltoluene	13.51	119	77057	18.907	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	37084	19.522	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	37345	19.595	ug/l	99
89) n-Butylbenzene	13.83	91	75709	18.966	ug/l	99
90) Hexachloroethane	14.10	117	13503	19.615	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	31810	19.054	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2188	19.166	ug/l	95

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ClientSampleId :
VW0110SBSD01

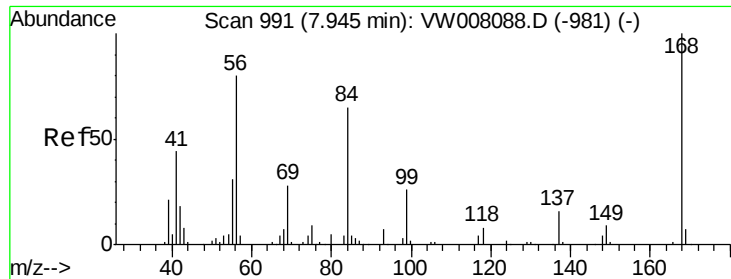
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21182	19.111	ug/l	96
94) Hexachlorobutadiene	15.24	225	11617	19.582	ug/l	97
95) Naphthalene	15.38	128	37697	18.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	17597	18.624	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion:168 Resp: 70028

Ion Ratio Lower Upper

168 100

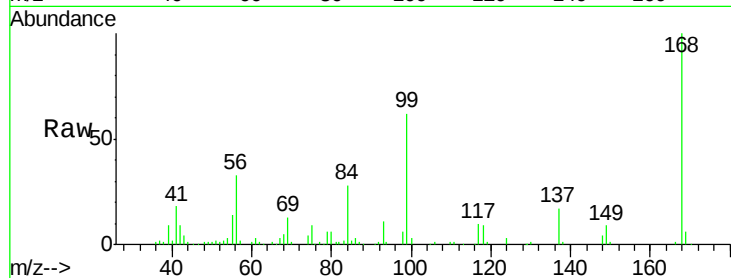
99 62.4 52.6 78.8

Manual Integrations

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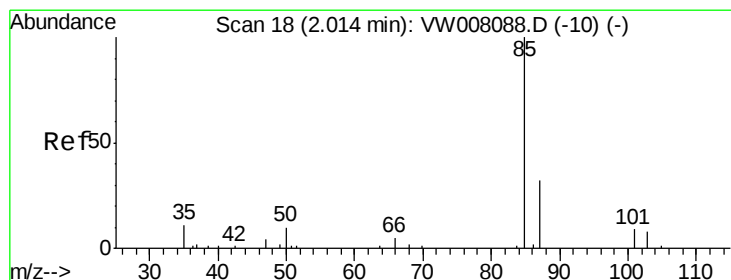
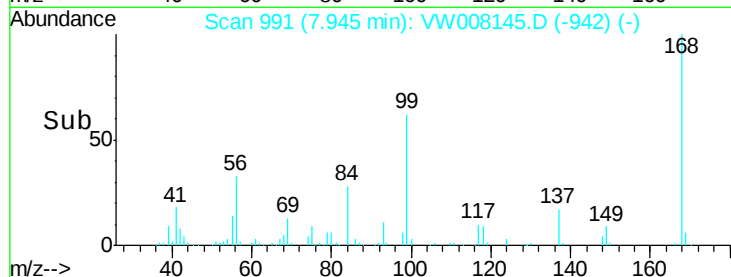
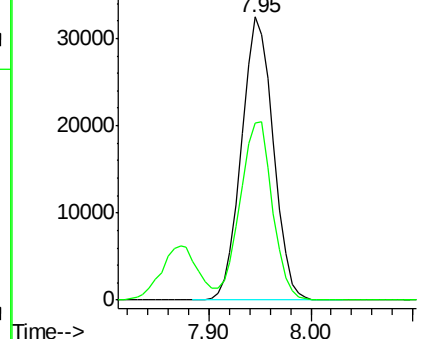
MMDadoda

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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: 19.543 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008145.D

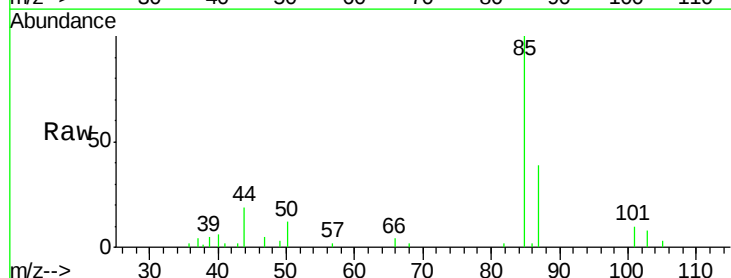
Acq: 10 Jan 2019 13:41

Tgt Ion: 85 Resp: 11169

Ion Ratio Lower Upper

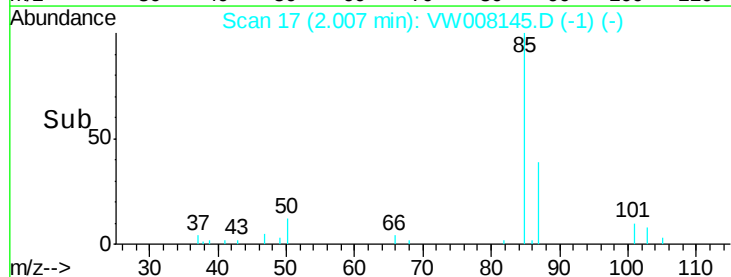
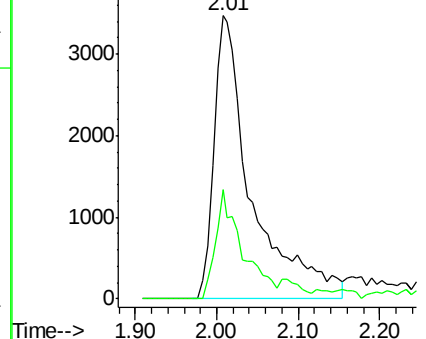
85 100

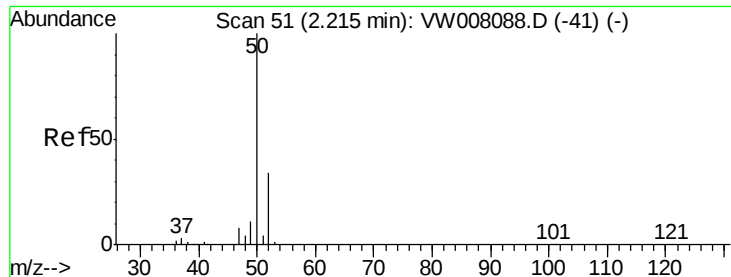
87 38.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.951 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 50 Resp: 14793

Ion Ratio Lower Upper

50 100

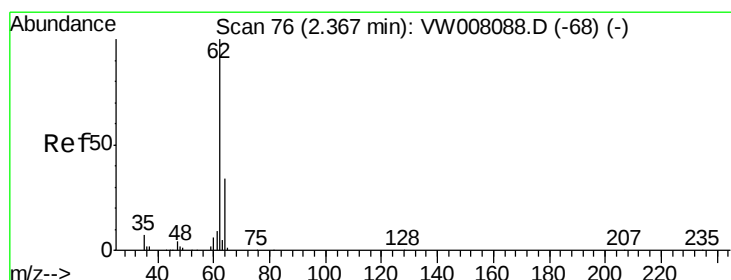
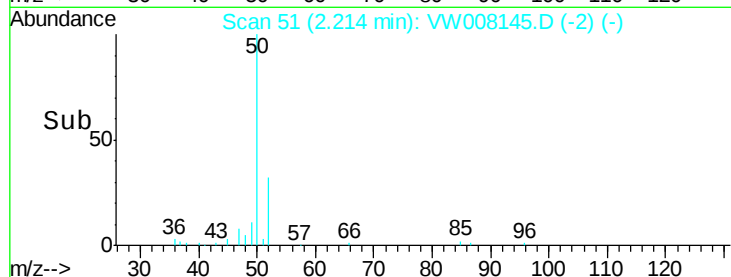
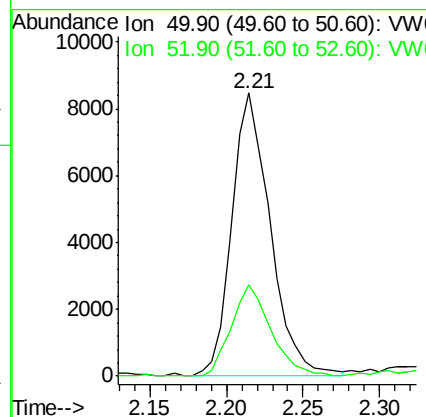
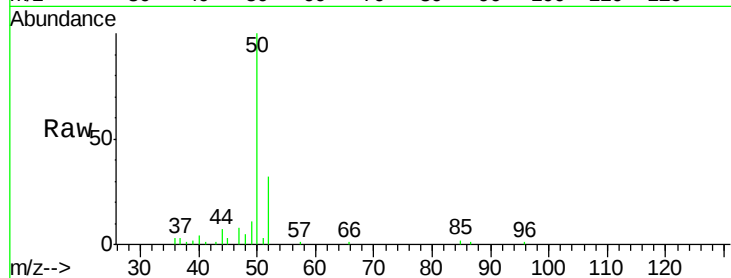
52 32.3 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.404 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008145.D

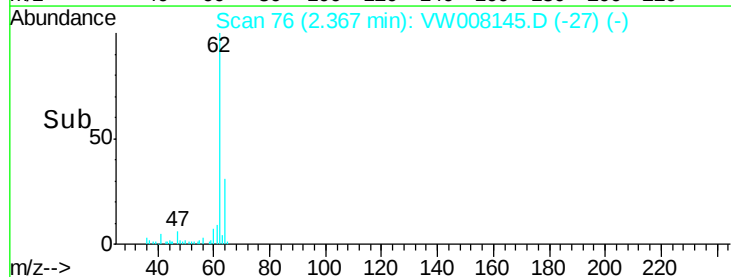
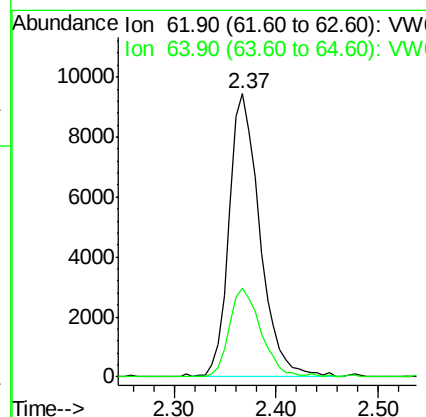
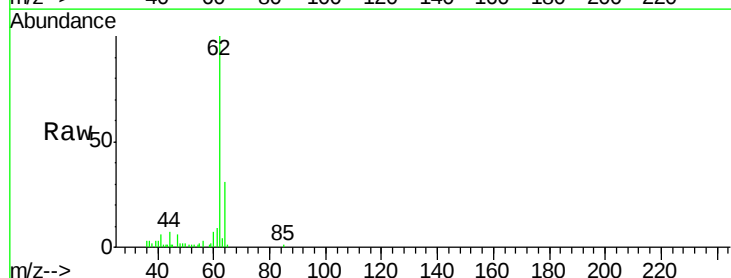
Acq: 10 Jan 2019 13:41

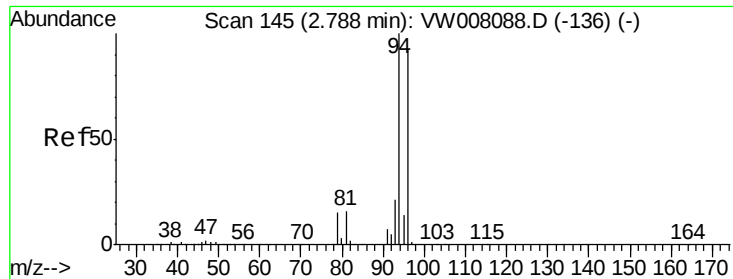
Tgt Ion: 62 Resp: 19745

Ion Ratio Lower Upper

62 100

64 31.5 27.0 40.6





#5

Bromomethane

Concen: 21.529 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 94 Resp: 15607

Ion Ratio Lower Upper

94 100

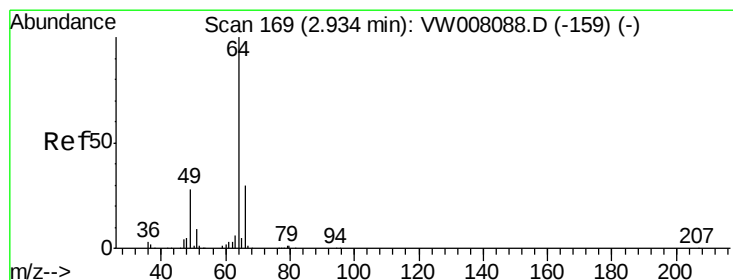
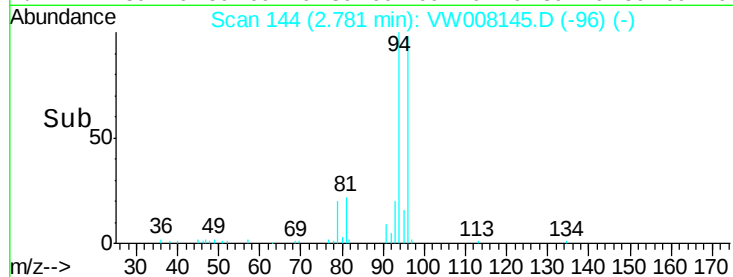
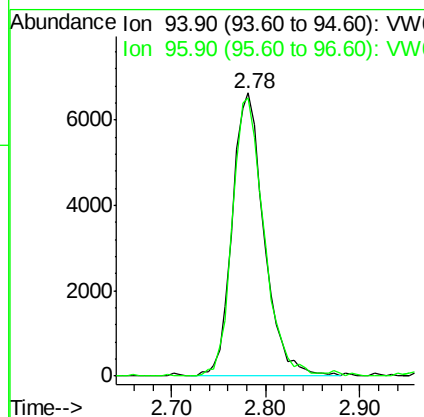
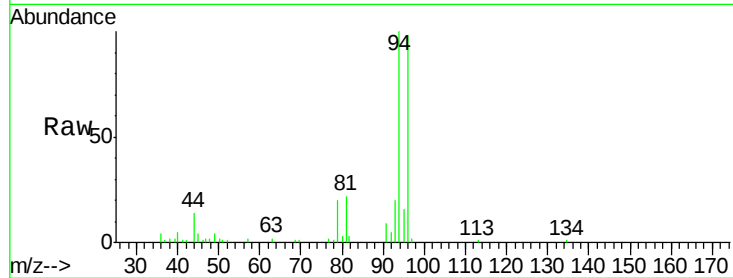
96 98.2 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 17.661 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008145.D

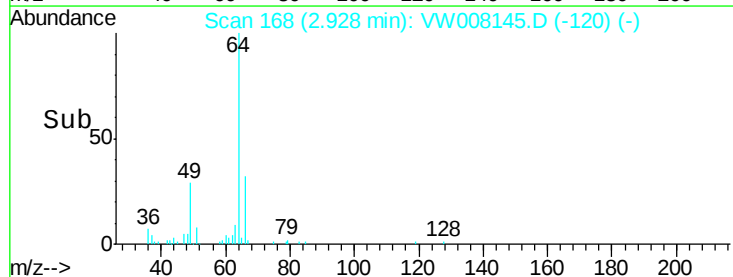
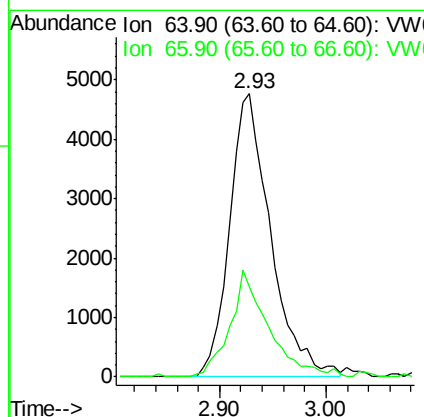
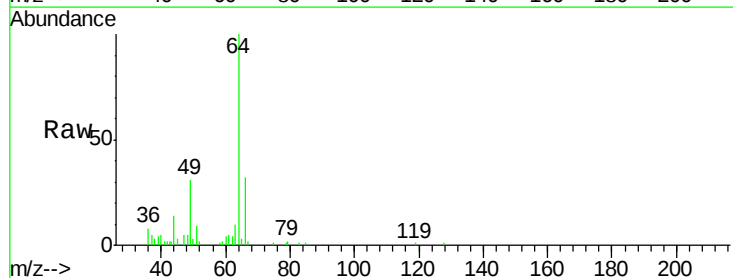
Acq: 10 Jan 2019 13:41

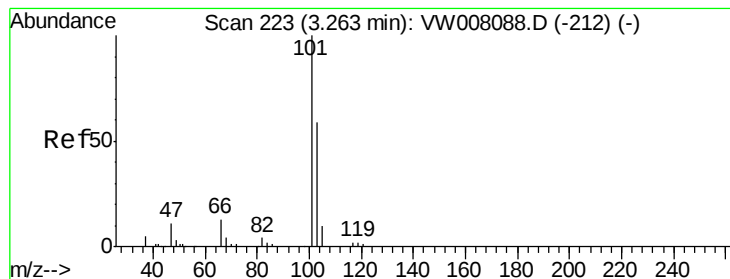
Tgt Ion: 64 Resp: 12861

Ion Ratio Lower Upper

64 100

66 31.9 24.2 36.2





#7

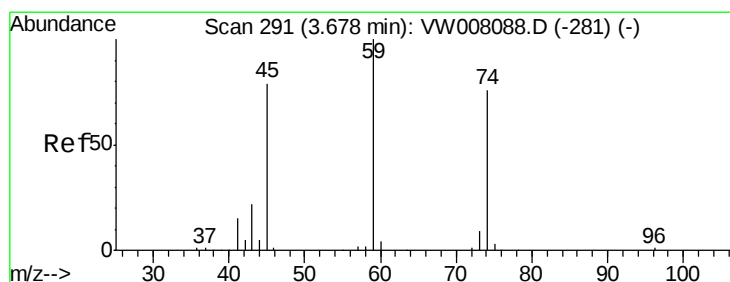
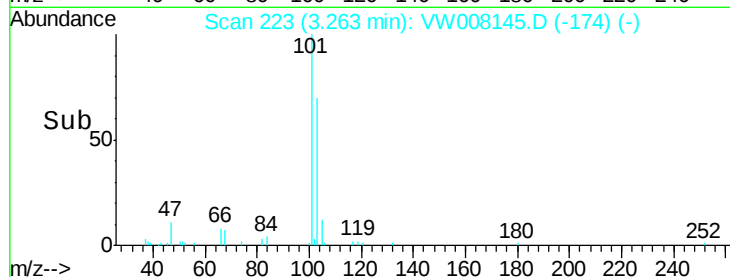
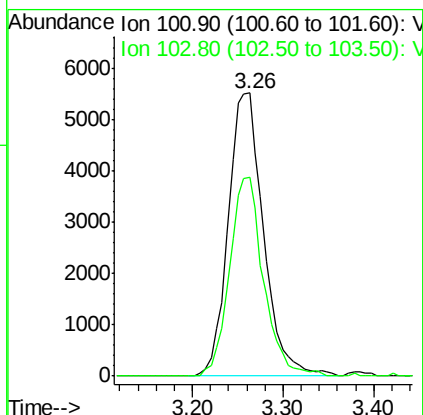
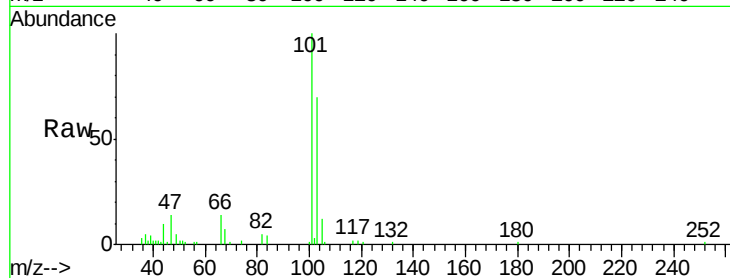
Trichlorofluoromethane
 Concen: 18.892 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

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 ClientSampleId :
 VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.1	47.0	70.6

Manual Integrations
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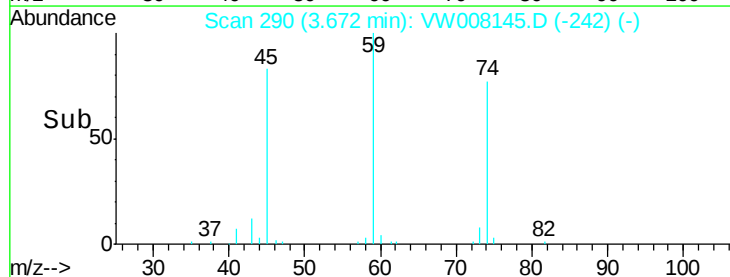
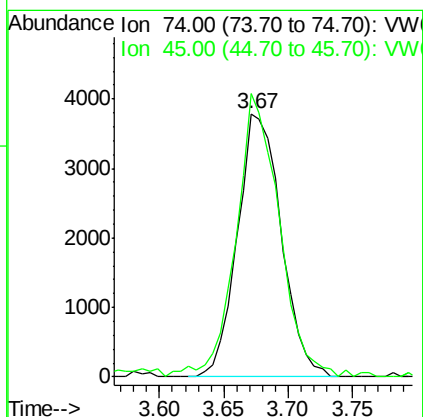
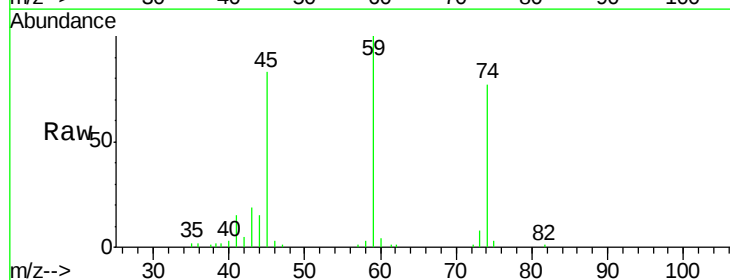
MMDadoda
 1/11/2019 2:27:40 PM

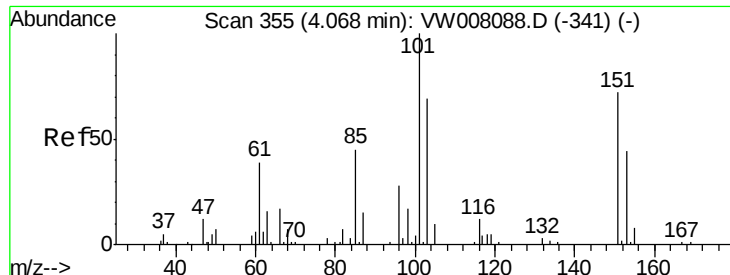


#8

Diethyl Ether
 Concen: 20.051 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.209 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

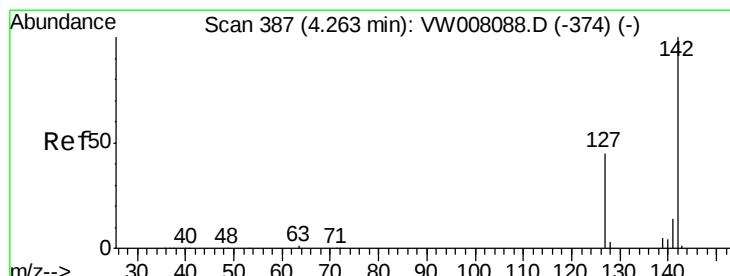
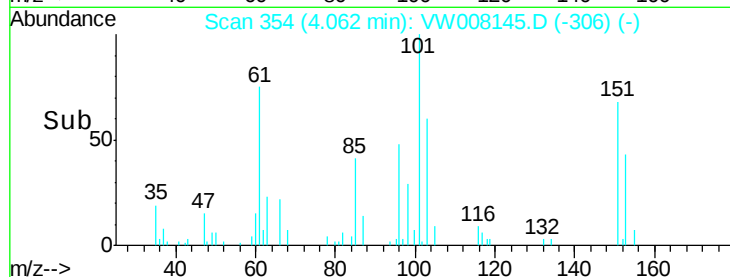
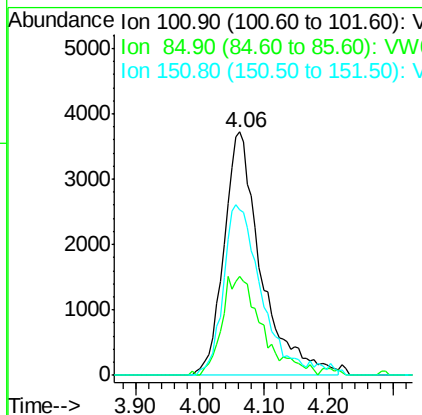
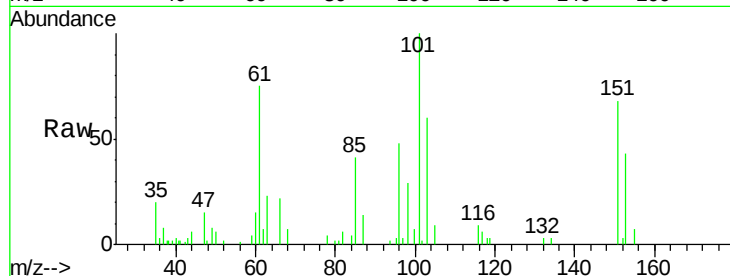
ClientSampleId :

VW0110SBSD01

Tot Ion:	101	Resp:	15004
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.9	53.9
151	70.5	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.327 ug/l

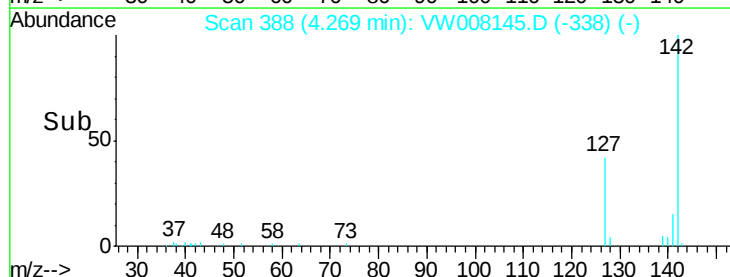
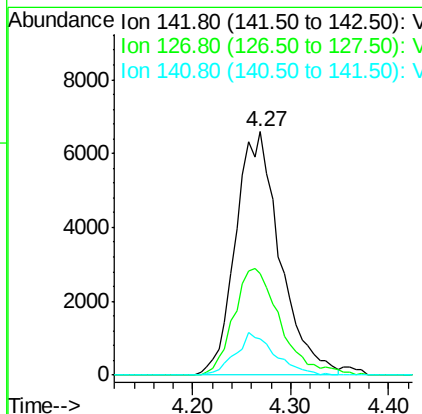
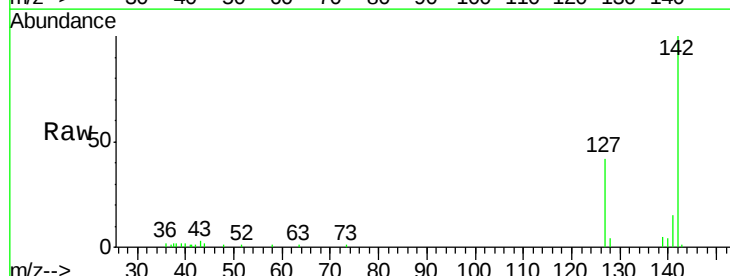
RT: 4.27 min Scan# 388

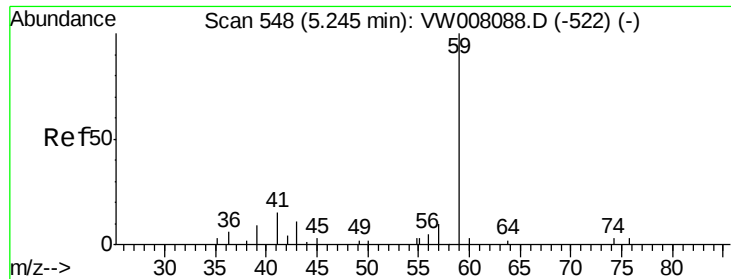
Delta R.T. 0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion:	142	Resp:	20864
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.0	52.4
141	15.3	11.8	17.6





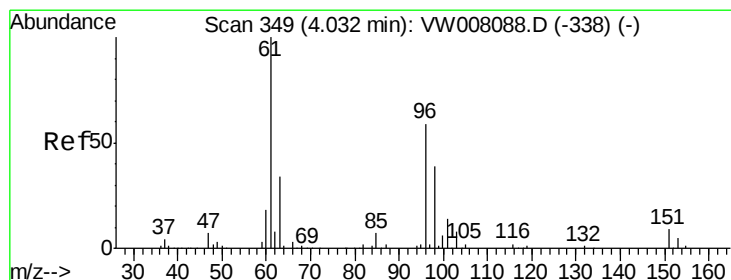
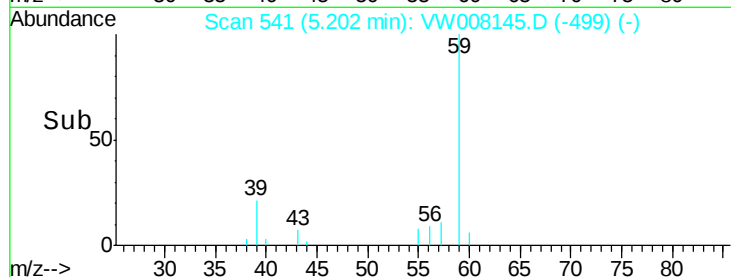
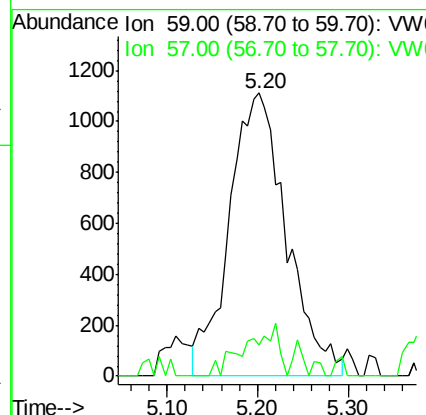
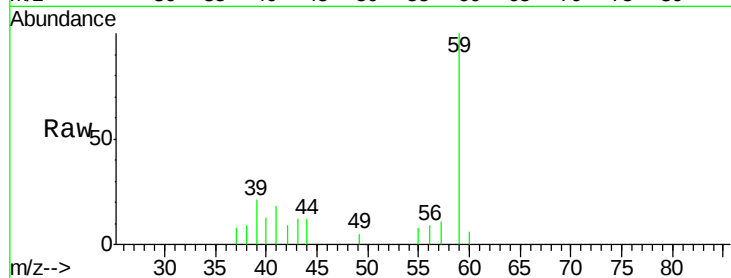
#11
Tert butyl alcohol
Concen: 82.837 ug/l
RT: 5.20 min Scan# 541
Delta R.T. -0.04 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	0.0	0.0#

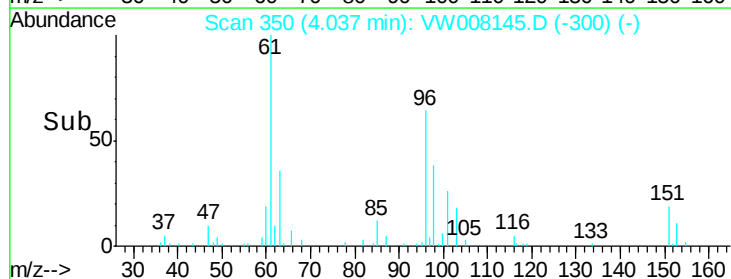
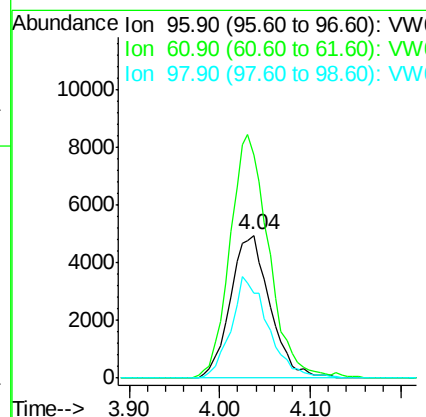
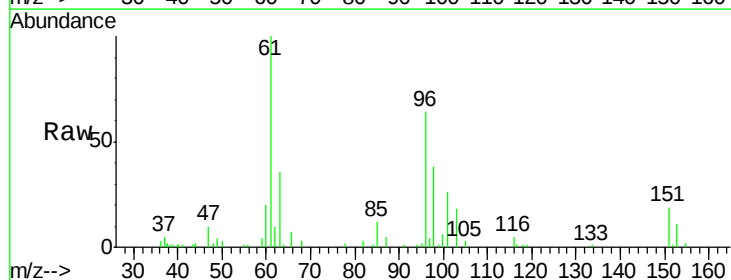
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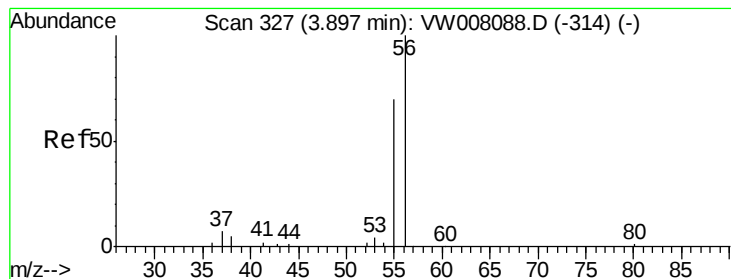
MMDadoda
1/11/2019 2:27:40 PM



#12
1,1-Dichloroethene
Concen: 19.554 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	135.4	203.2
98	59.9	52.5	78.7





#13

Acrolein

Concen: 80.188 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 56 Resp: 4255

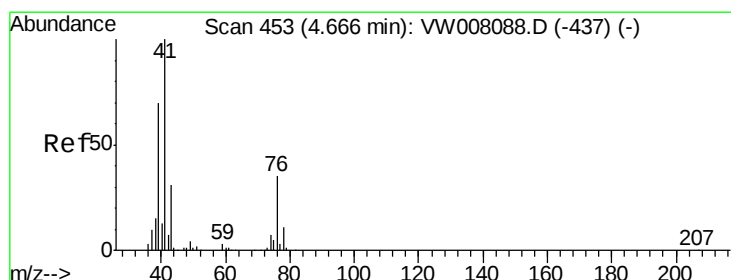
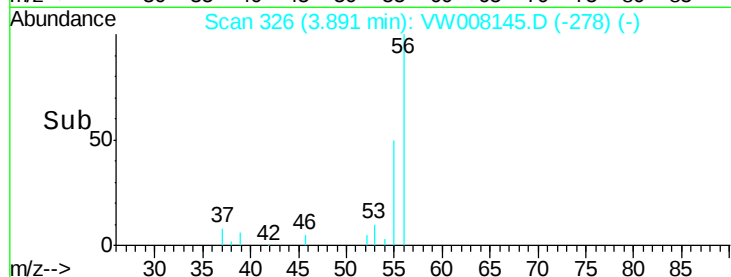
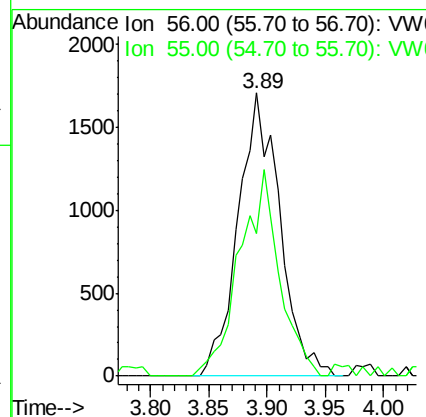
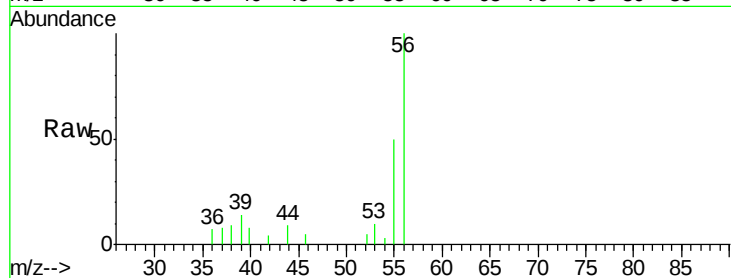
Ion Ratio Lower Upper

56 100

55 69.2 56.6 84.8

Manual Integrations
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#14

Allyl chloride

Concen: 20.121 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

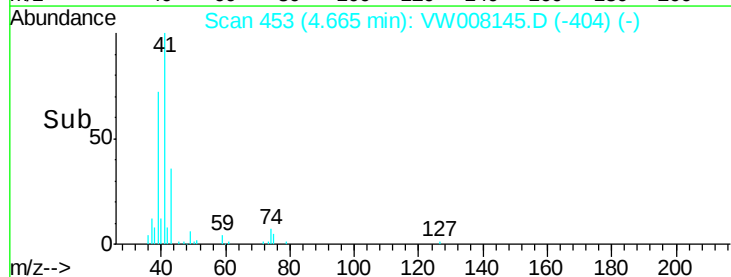
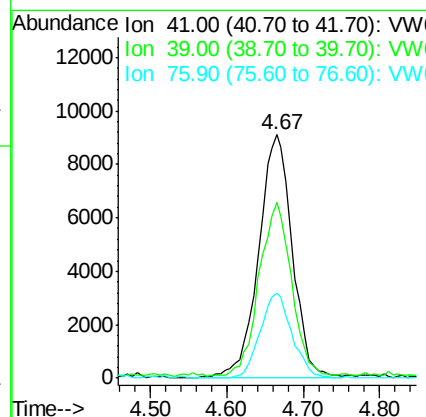
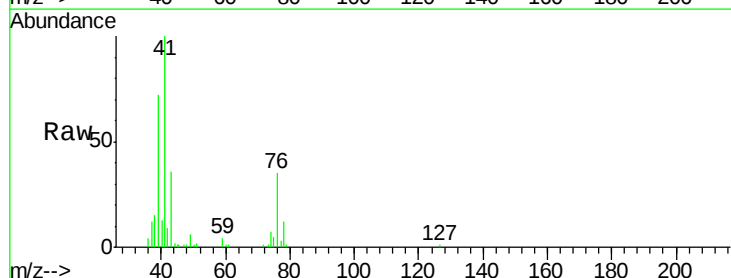
Tgt Ion: 41 Resp: 28016

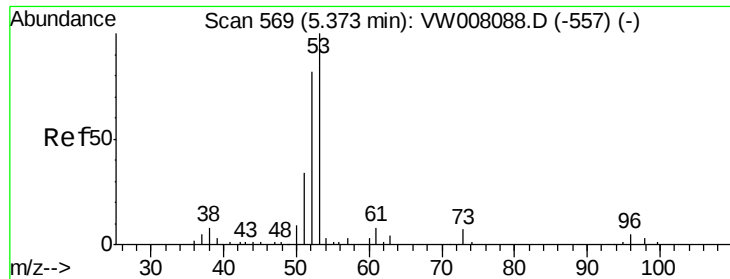
Ion Ratio Lower Upper

41 100

39 68.4 53.8 80.8

76 33.1 27.6 41.4





#15

Acrylonitrile

Concen: 105.045 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

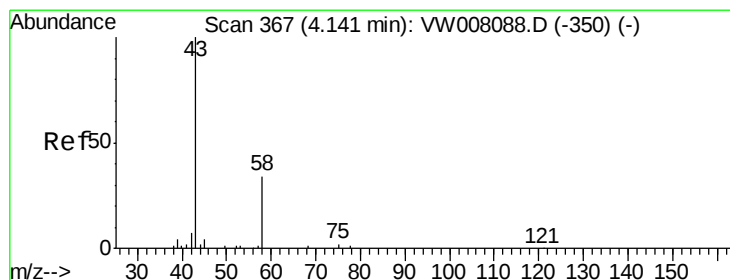
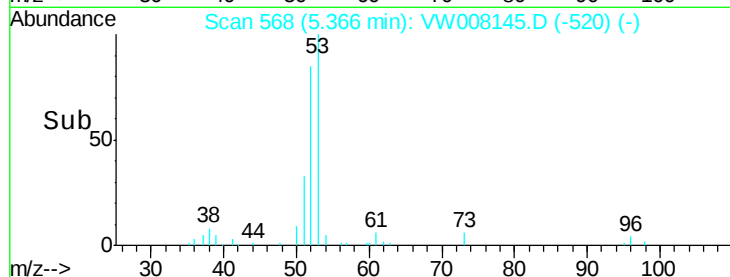
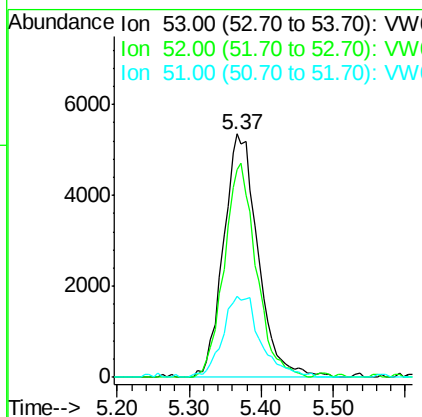
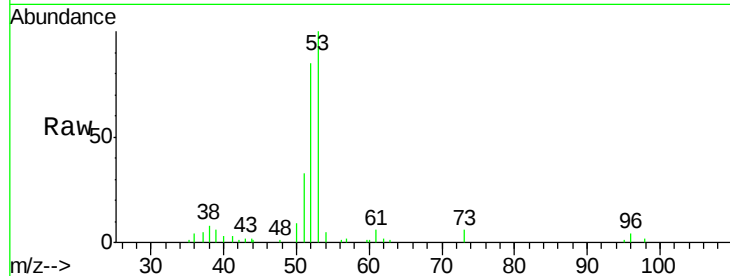
ClientSampled :

VW0110SBSD01

Tot Ion:	53	Resp:	17787
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.8	100.2
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 103.834 ug/l

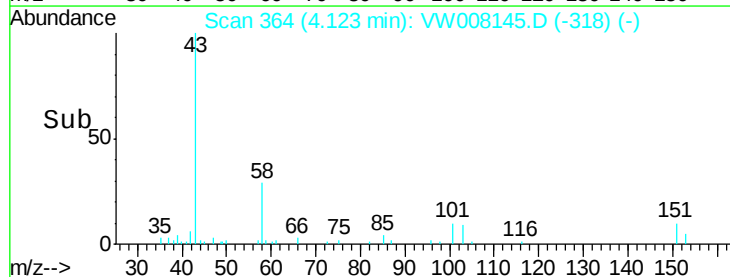
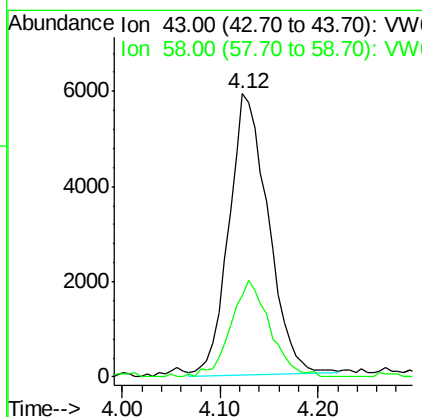
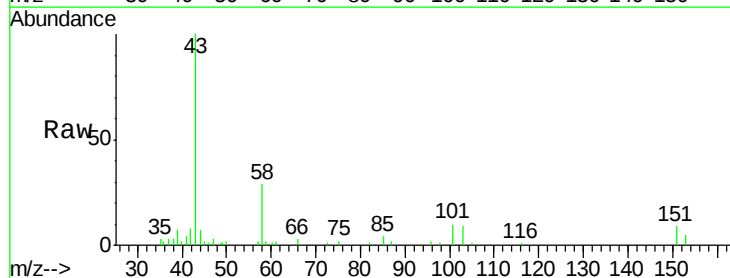
RT: 4.12 min Scan# 364

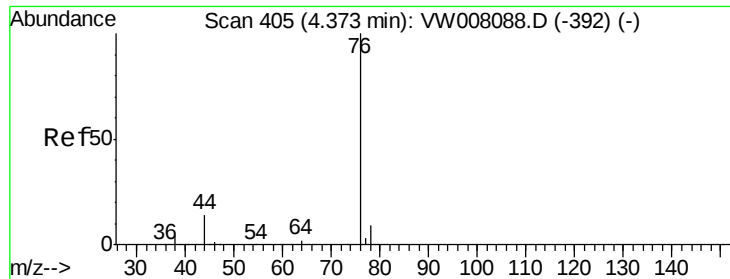
Delta R.T. -0.02 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion:	43	Resp:	16439
Ion	Ratio	Lower	Upper
43	100		
58	29.0	27.5	41.3





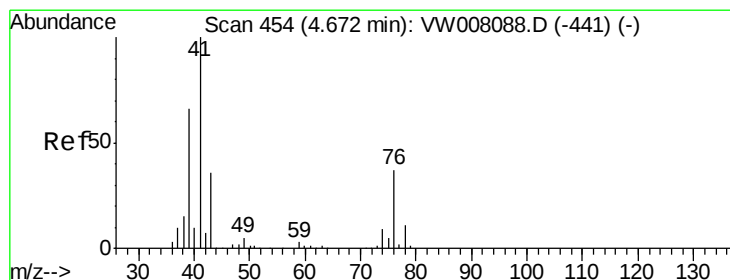
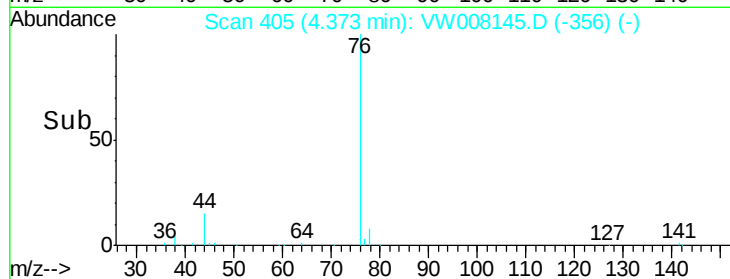
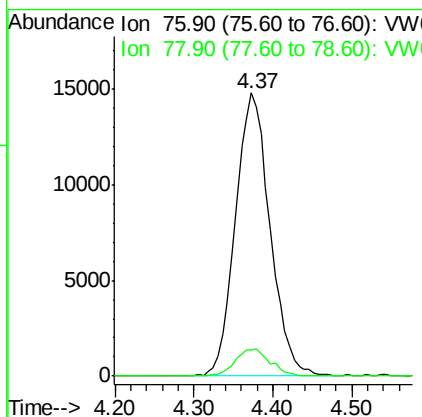
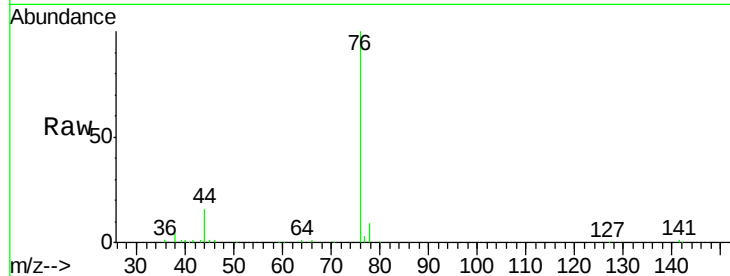
#17
Carbon Disulfide
Concen: 18.828 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	76	Resp	45106
Ion Ratio	Lower	Upper	
76	100		
78	9.2	7.0	10.6

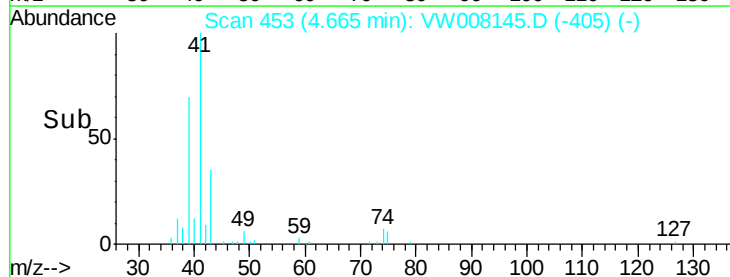
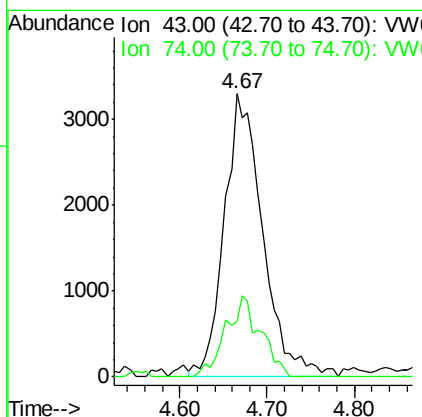
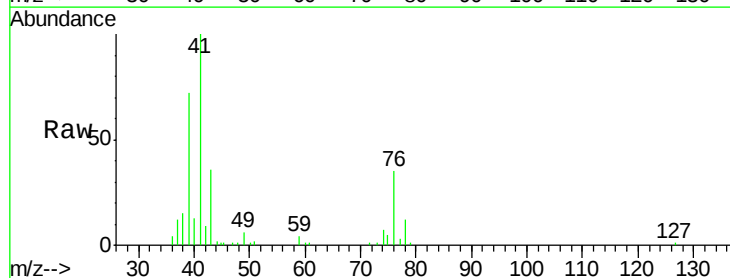
Manual Integrations
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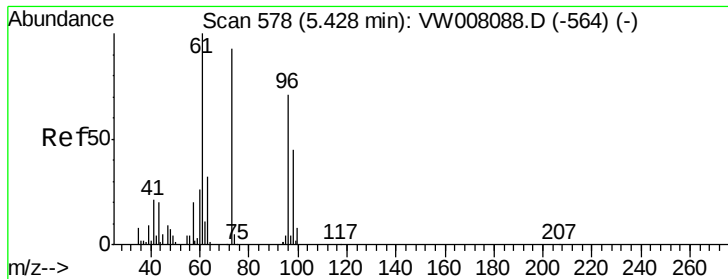
MMDadoda
1/11/2019 2:27:40 PM



#18
Methyl Acetate
Concen: 20.290 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	43	Resp	10093
Ion Ratio	Lower	Upper	
43	100		
74	25.8	19.0	28.4





#19

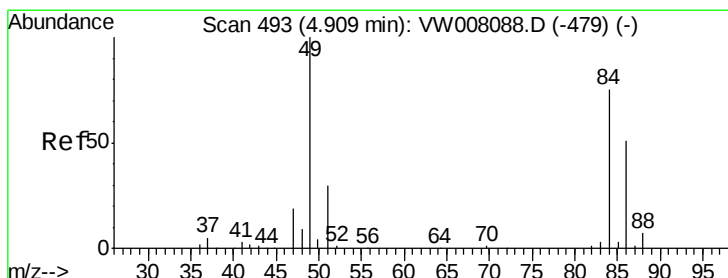
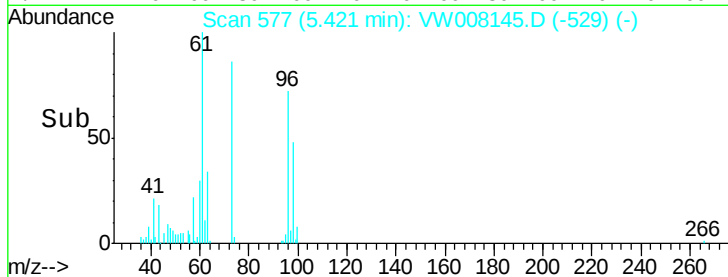
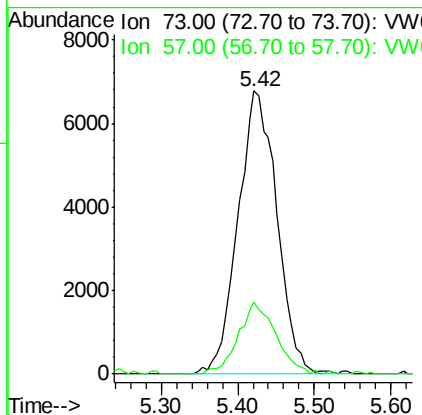
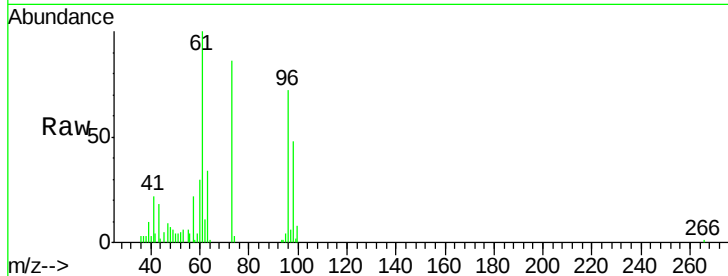
Methyl tert-butyl Ether
 Concen: 19.237 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.5	16.7	25.1#

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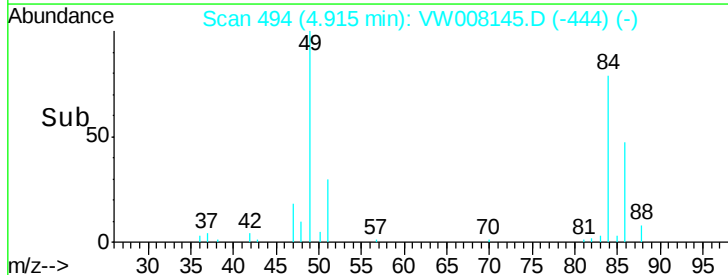
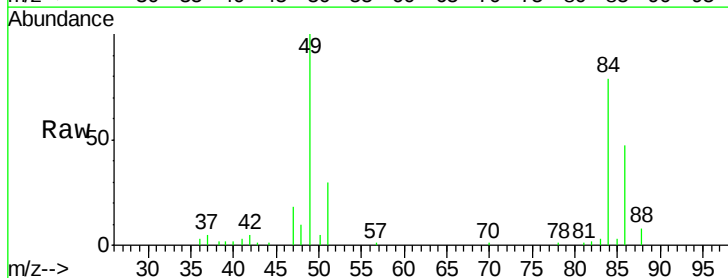
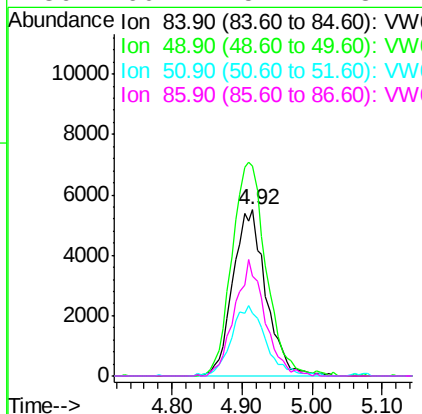
MMDadoda
 1/11/2019 2:27:40 PM

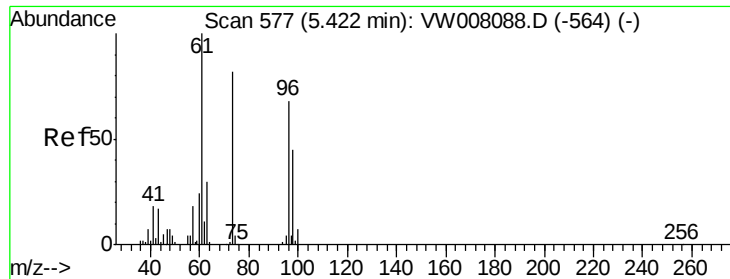


#20

Methylene Chloride
 Concen: 20.582 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	107.1	160.7
51	38.1	32.4	48.6
86	60.1	54.2	81.4





#21

trans-1,2-Dichloroethene

Concen: 19.808 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

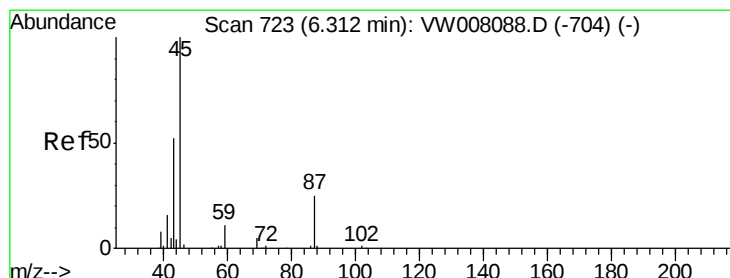
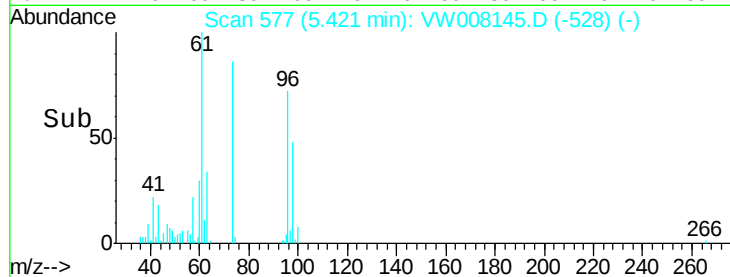
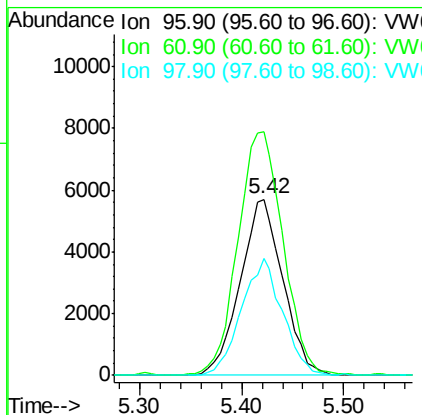
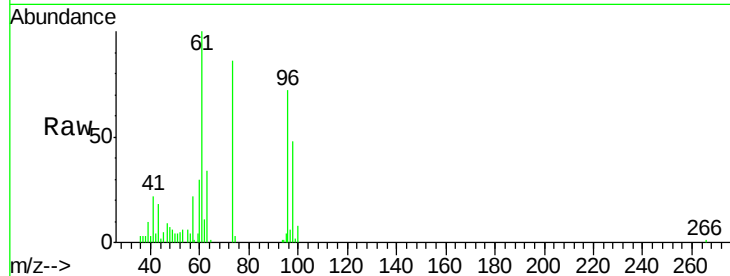
ClientSampleId :

VW0110SBSD01

Tot Ion:	96	Resp:	16508
Ion	Ratio	Lower	Upper
96	100		
61	137.1	117.4	176.0
98	66.7	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.358 ug/l

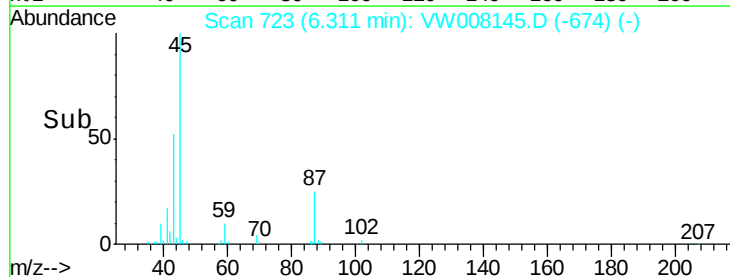
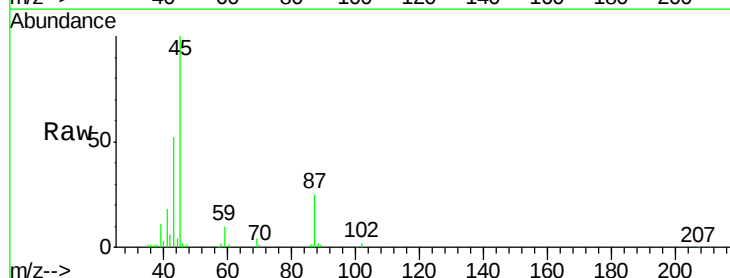
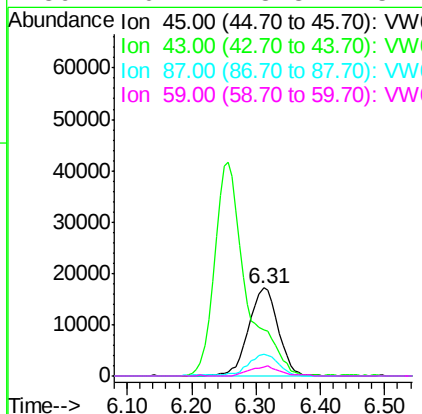
RT: 6.31 min Scan# 723

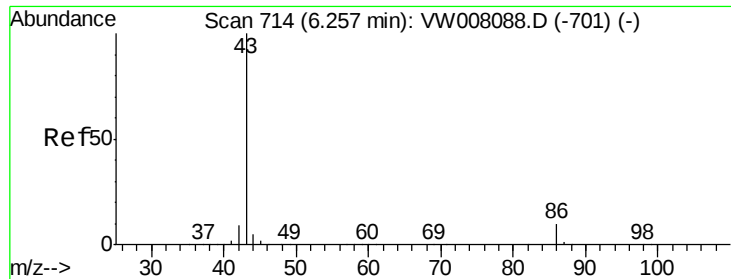
Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion:	45	Resp:	54060
Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.7	62.5
87	25.3	20.1	30.1
59	10.2	8.8	13.2





#23

Vinyl Acetate

Concen: 101.840 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS01

Tot Ion: 43 Resp: 142030

Ion Ratio Lower Upper

43 100

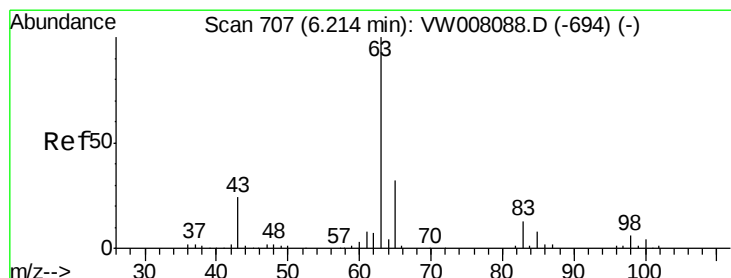
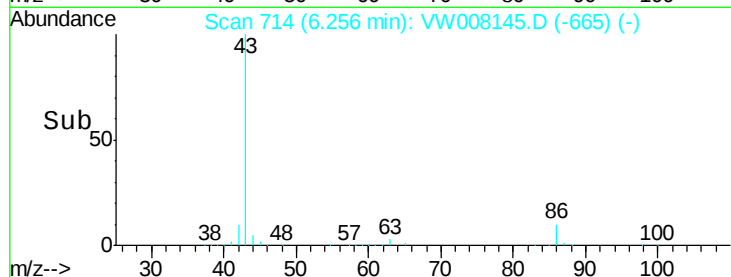
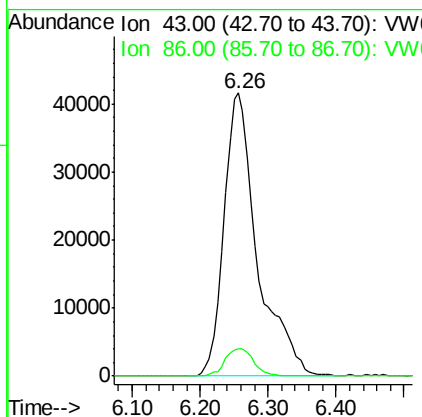
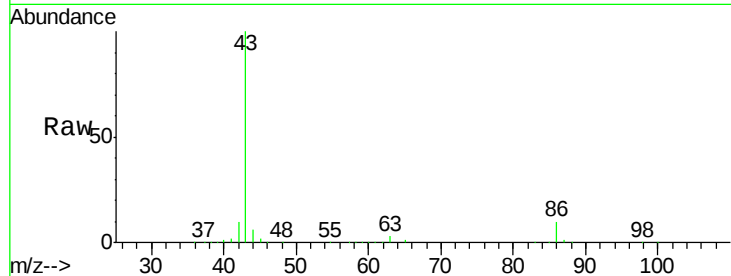
86 9.9 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.157 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

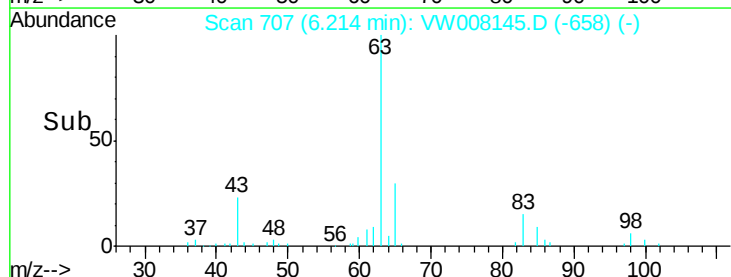
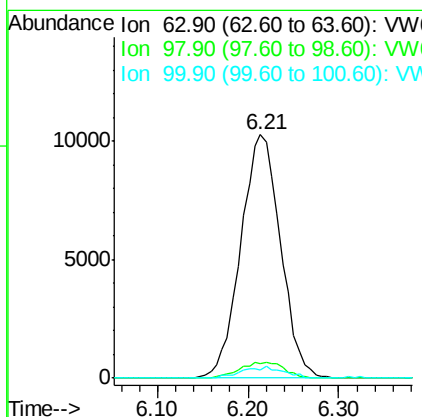
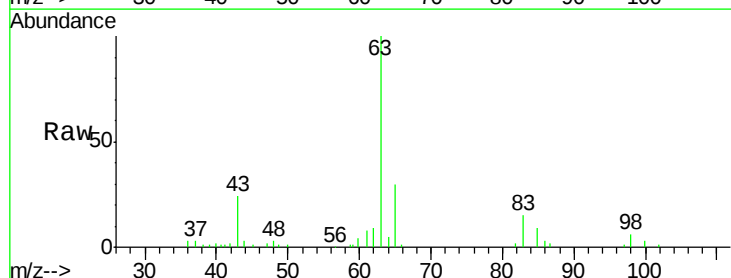
Tgt Ion: 63 Resp: 31187

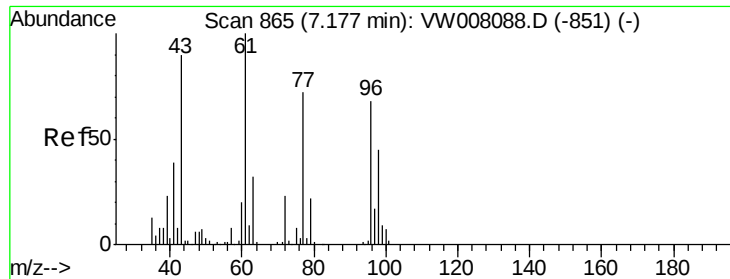
Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.4 2.0 6.0





#25

2-Butanone

Concen: 103.254 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 43 Resp: 22611

Ion Ratio Lower Upper

43 100

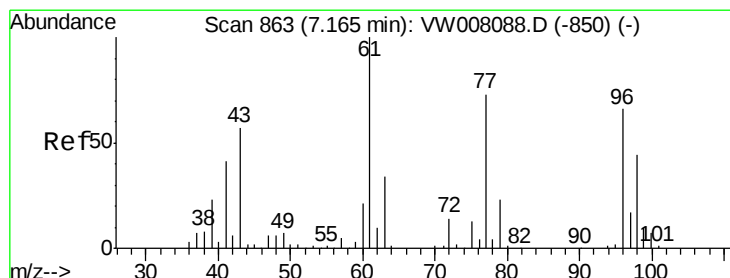
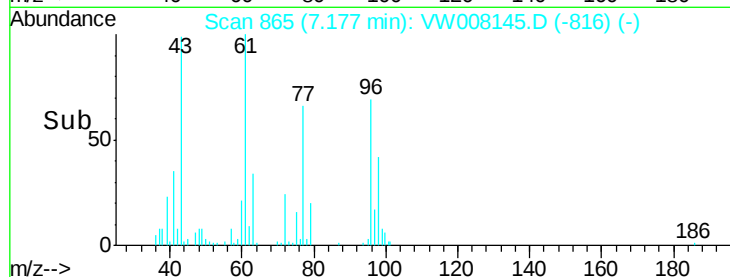
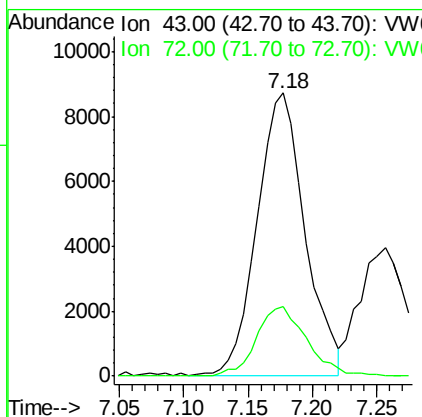
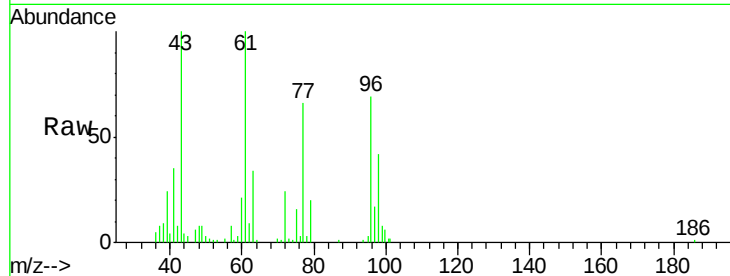
72 24.4 20.5 30.7

Manual Integrations

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1/11/2019 2:27:40 PM



#26

2,2-Dichloropropane

Concen: 19.715 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008145.D

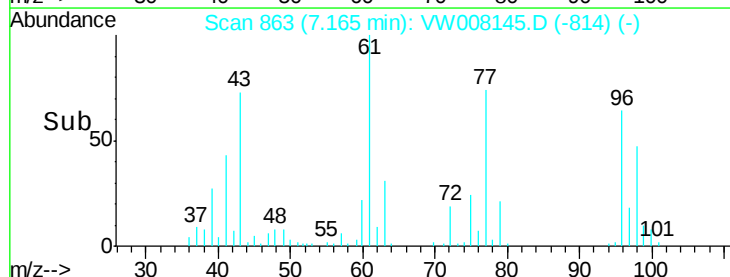
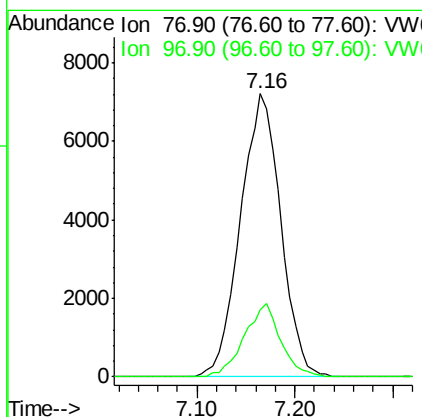
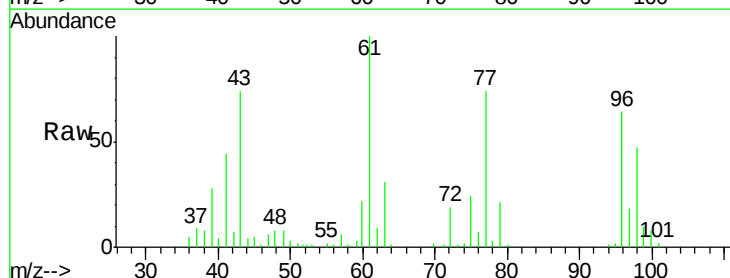
Acq: 10 Jan 2019 13:41

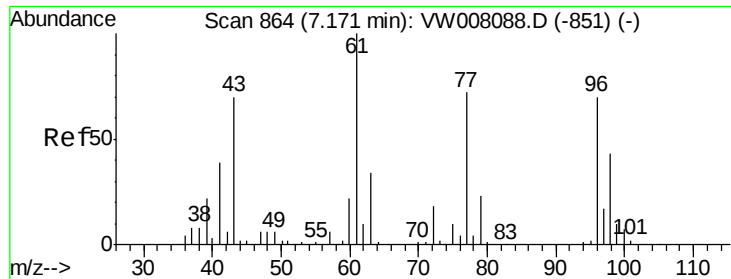
Tgt Ion: 77 Resp: 20668

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.1





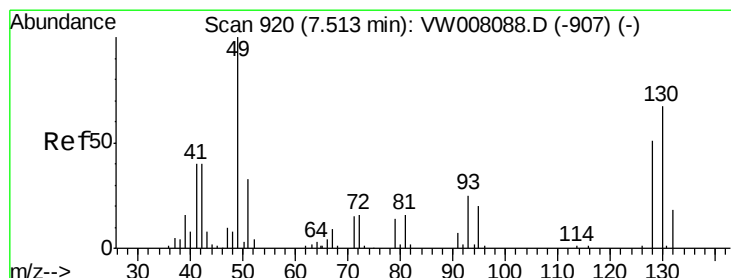
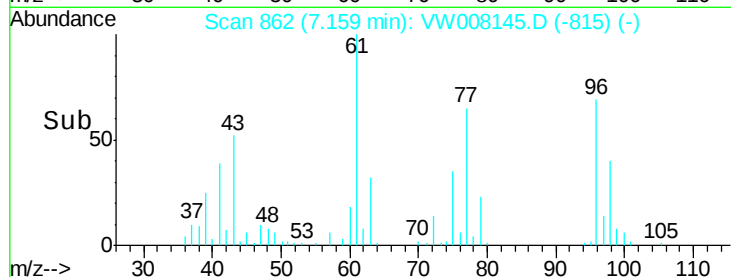
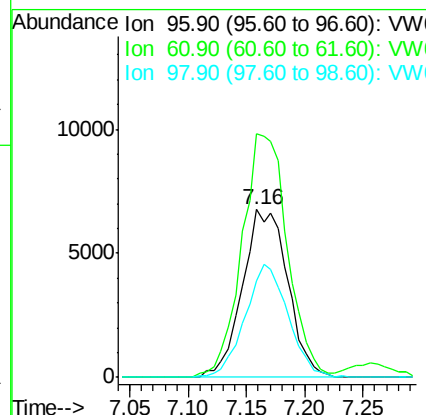
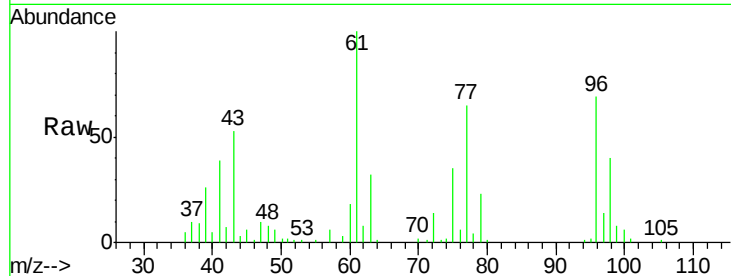
#27
 cis-1,2-Dichloroethene
 Concen: 20.161 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.9	0.0	300.4	
98	63.9	0.0	128.4	

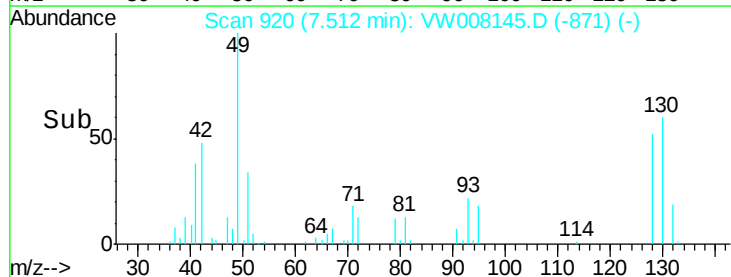
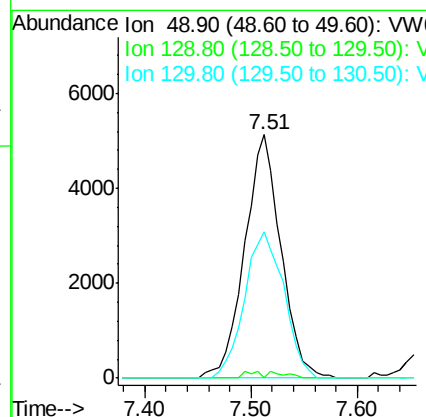
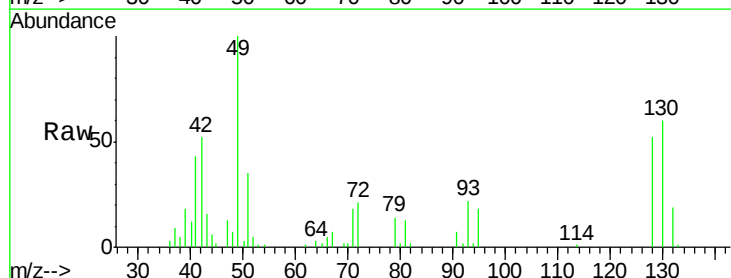
Manual Integrations
 APPROVED

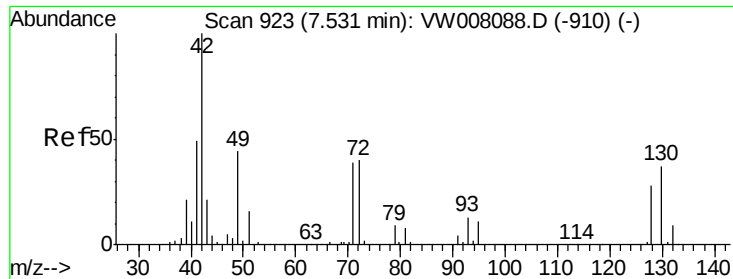
MMDadoda
 1/11/2019 2:27:40 PM



#28
 Bromochloromethane
 Concen: 20.037 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	2.8	
130	65.3	54.3	81.5	





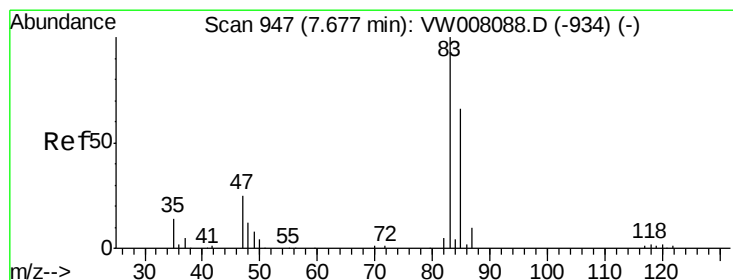
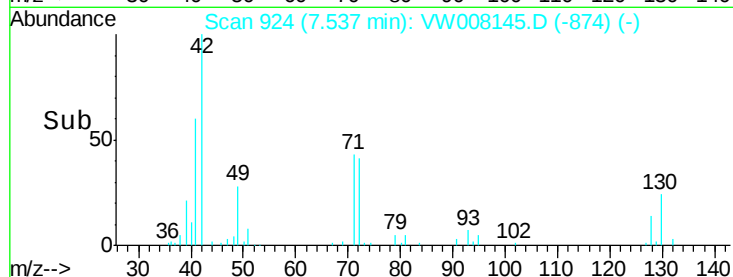
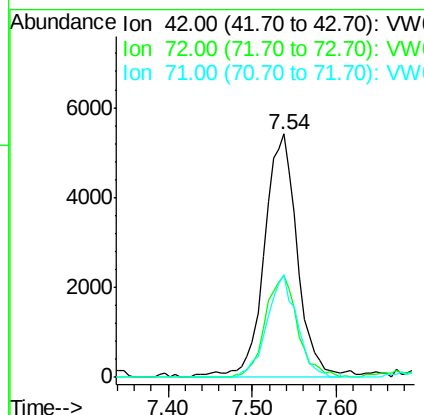
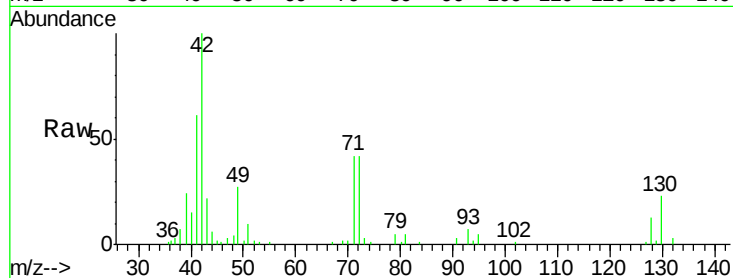
#29
Tetrahydrofuran
Concen: 99.872 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.4	48.6
71	38.2	31.3	46.9

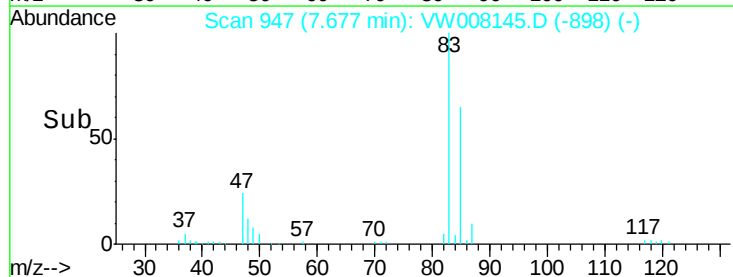
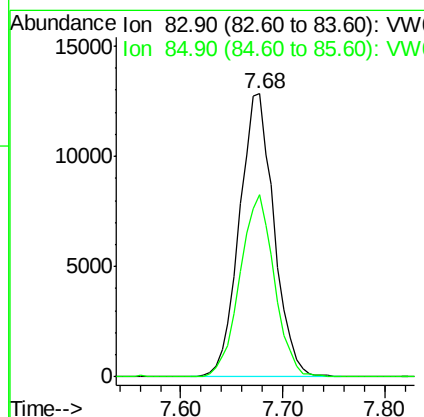
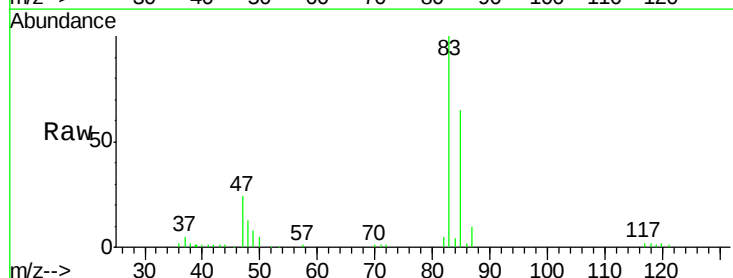
Manual Integrations
APPROVED

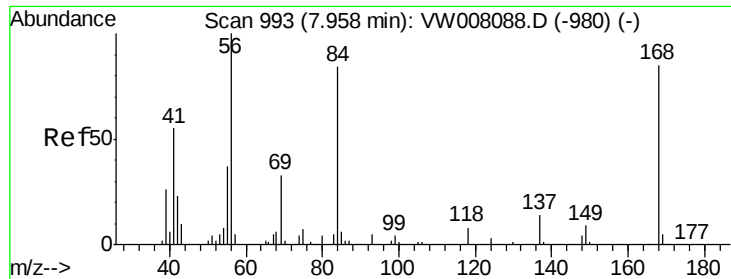
MMDadoda
1/11/2019 2:27:40 PM



#30
Chloroform
Concen: 20.470 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.2	79.8





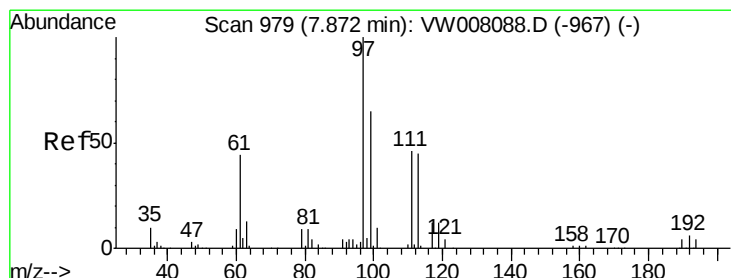
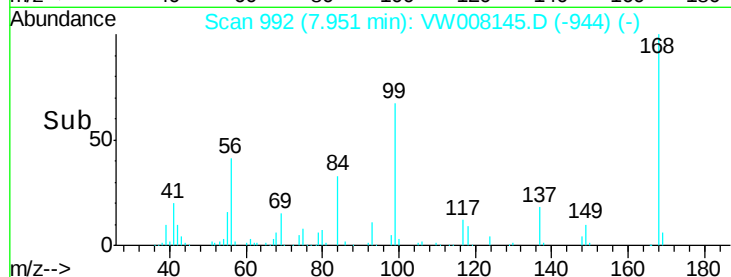
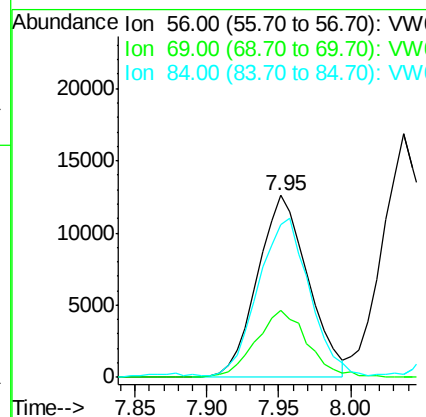
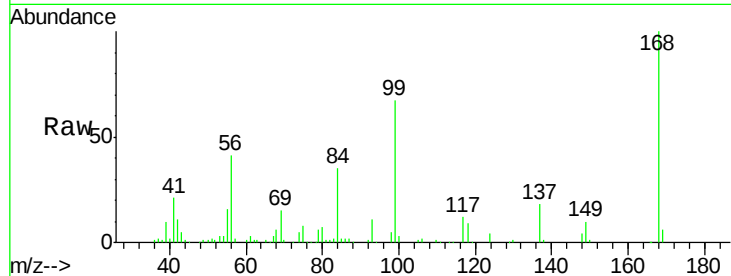
#31
Cyclohexane
Concen: 18.552 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.2	39.4
84	83.0	67.4	101.2

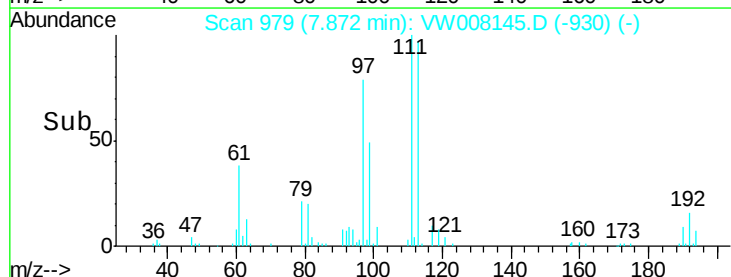
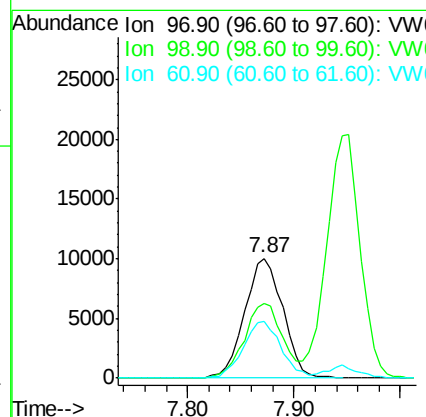
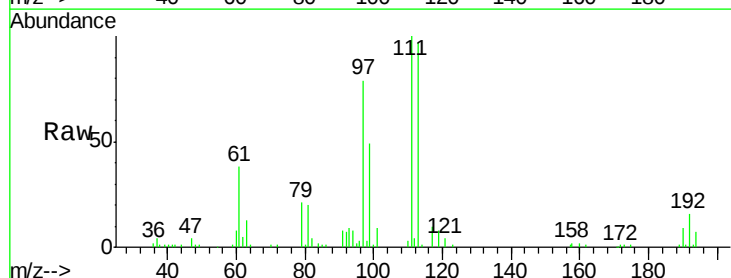
Manual Integrations
APPROVED

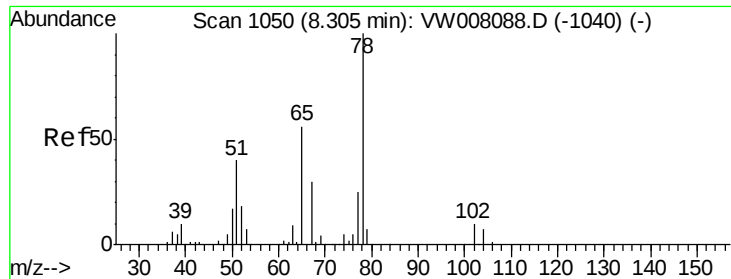
MMDadoda
1/11/2019 2:27:40 PM



#32
1,1,1-Trichloroethane
Concen: 19.745 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	46.9	35.6	53.4





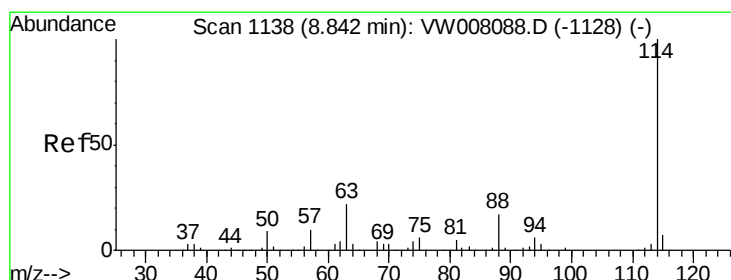
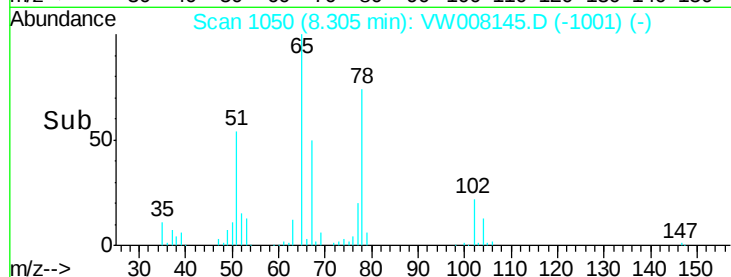
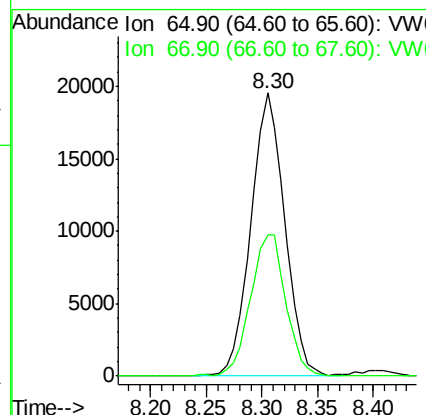
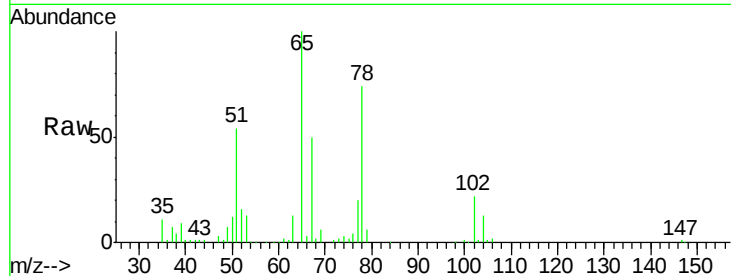
#33
 1,2-Dichloroethane-d4
 Concen: 52.646 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	41435		
67	52.1	0.0	106.8	

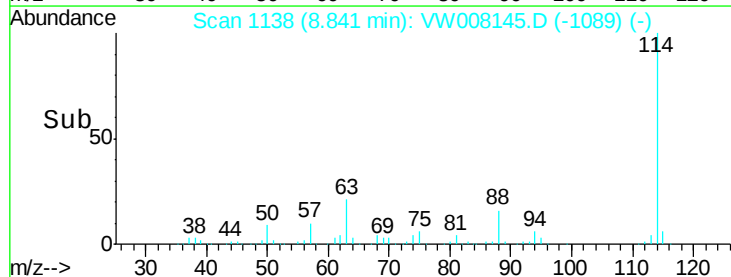
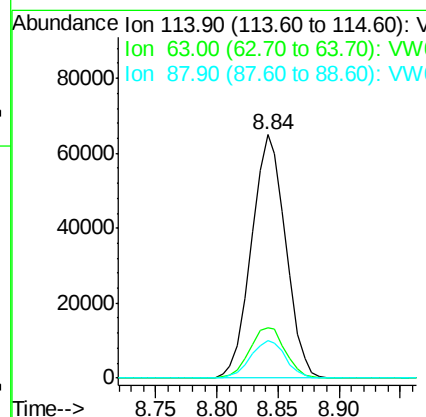
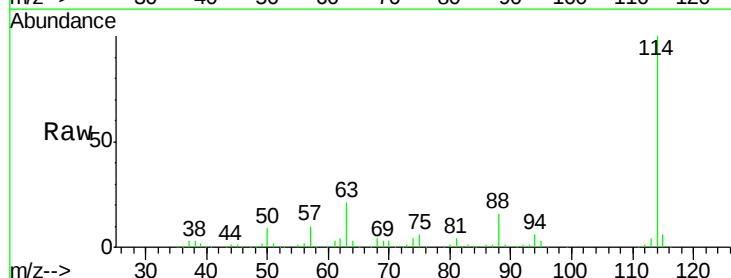
Manual Integrations
 APPROVED

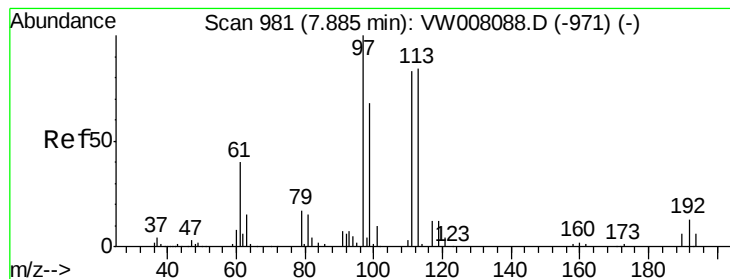
MMDadoda
 1/11/2019 2:27:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	126516		
63	20.9	0.0	43.4	
88	15.5	0.0	33.4	





#35

Dibromofluoromethane

Concen: 52.123 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion:113 Resp: 38461

Ion Ratio Lower Upper

113 100

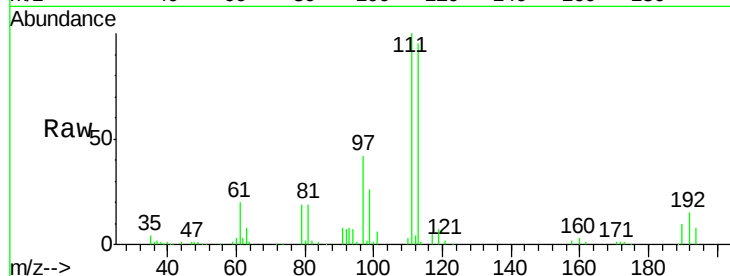
111 103.0 81.8 122.8

192 17.4 12.8 19.2

Manual Integrations
APPROVED

MMDadoda

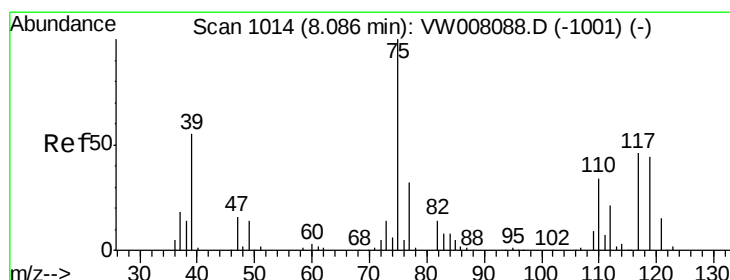
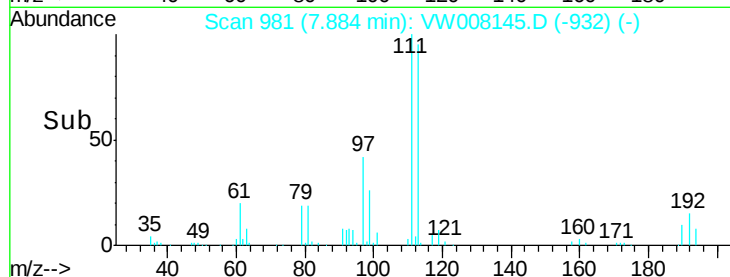
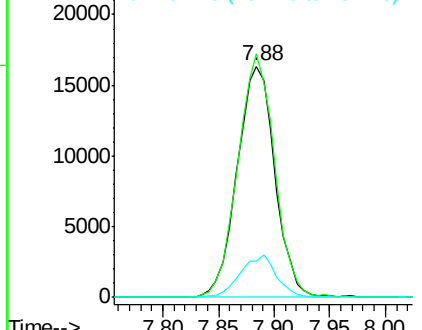
1/11/2019 2:27:40 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.123 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

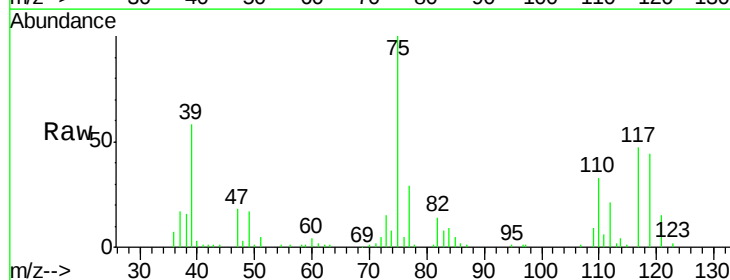
Tgt Ion: 75 Resp: 24922

Ion Ratio Lower Upper

75 100

110 33.4 17.1 51.3

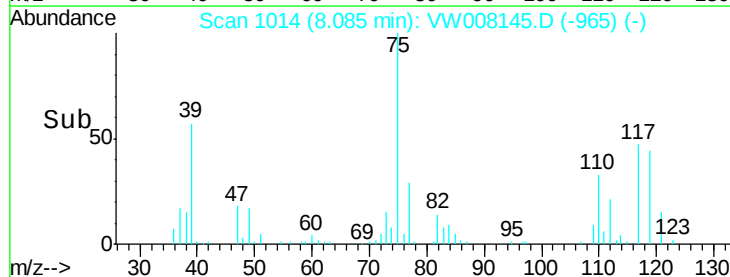
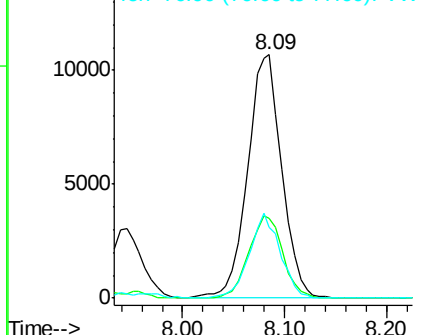
77 31.6 25.5 38.3

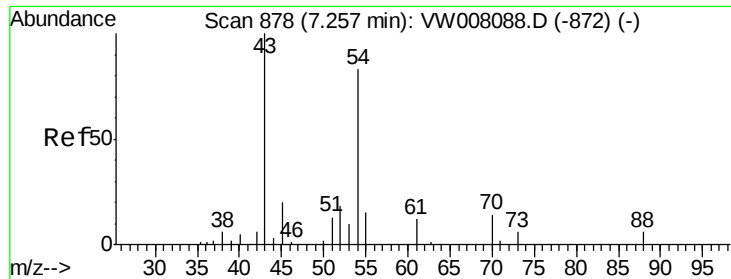


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





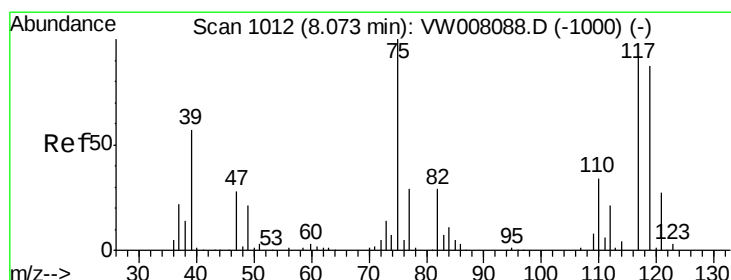
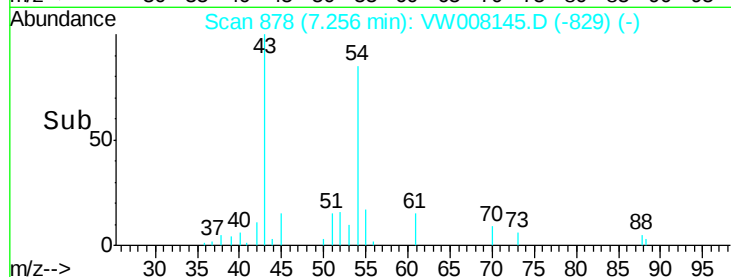
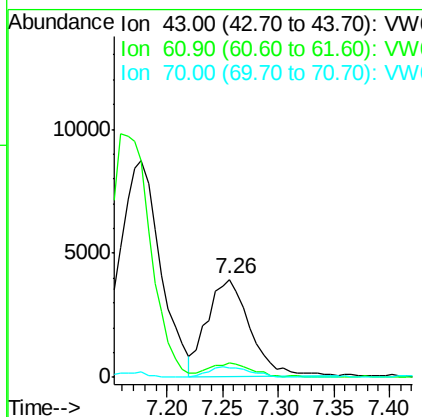
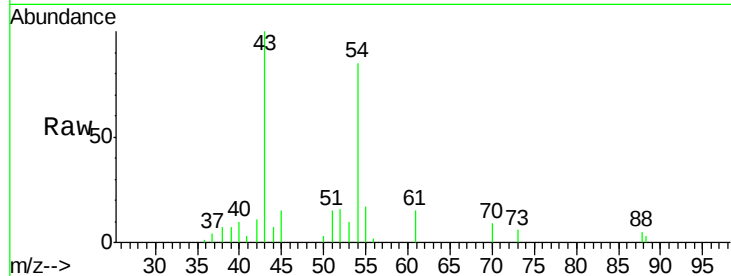
#37
Ethyl Acetate
Concen: 19.731 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.6	16.0
70	10.4	8.9	13.3

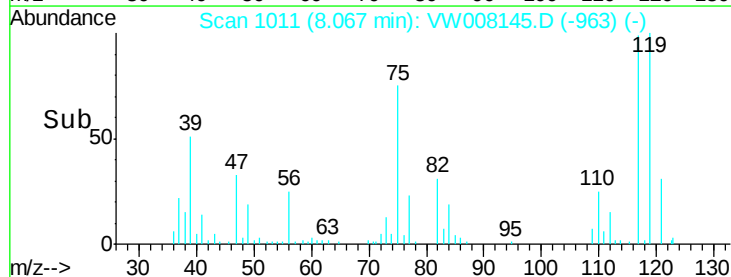
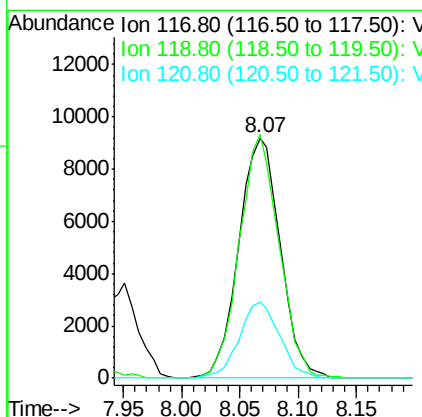
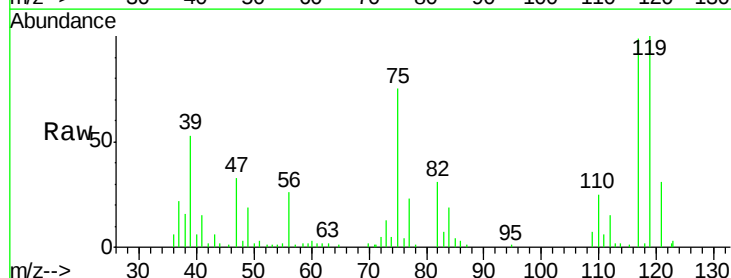
Manual Integrations
APPROVED

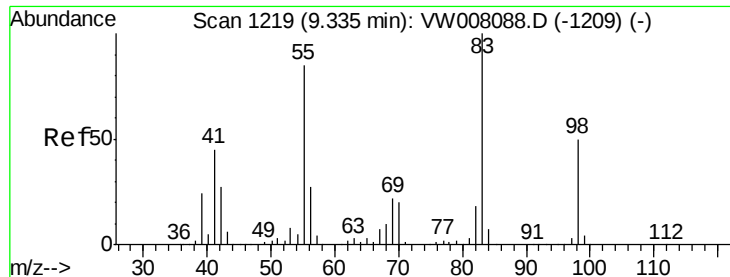
MMDadoda
1/11/2019 2:27:40 PM



#38
Carbon Tetrachloride
Concen: 19.188 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	75.8	113.8
121	31.7	23.7	35.5





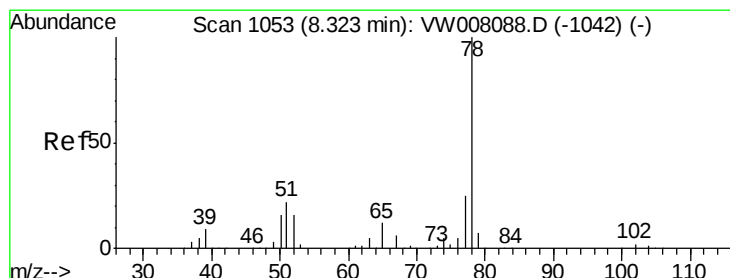
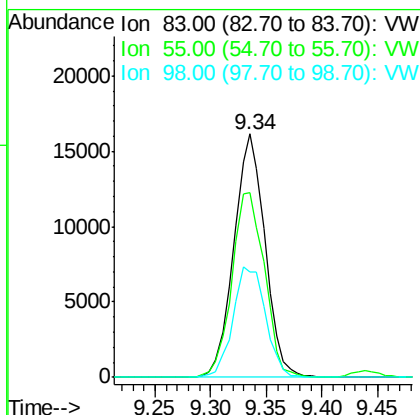
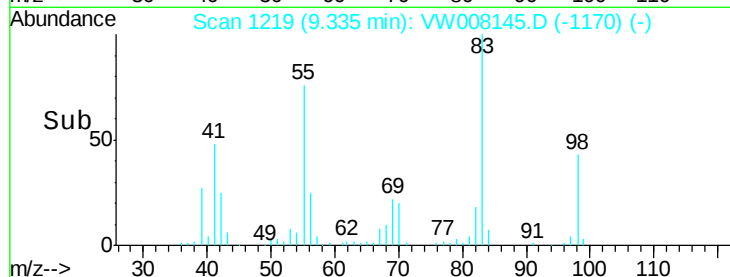
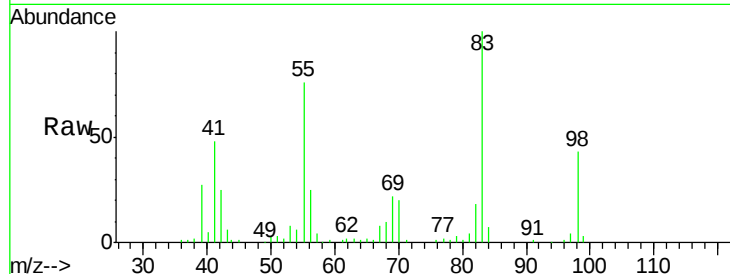
#39
Methvlcvclohexane
Concen: 18.904 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	67.8	101.6
98	43.2	40.2	60.4

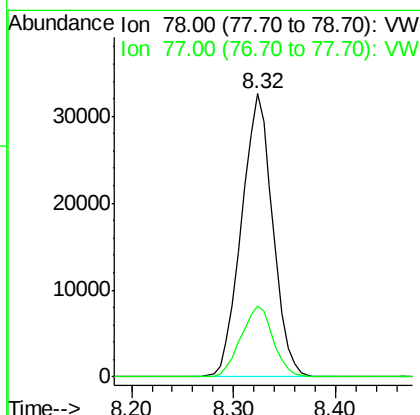
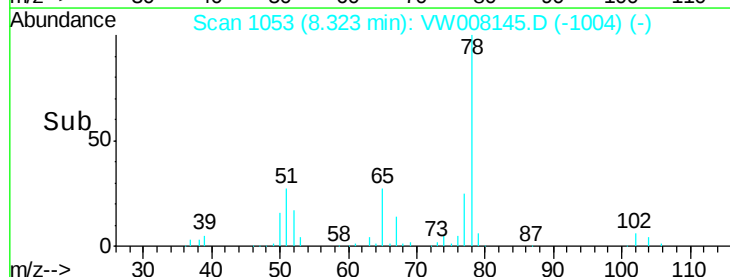
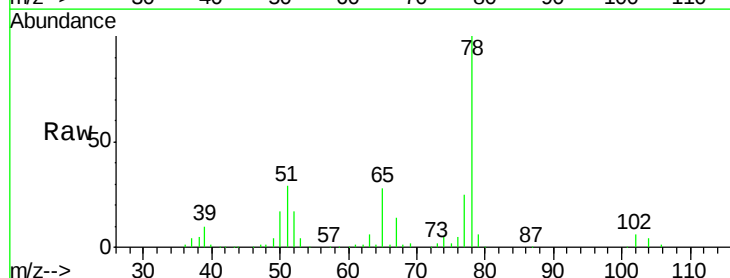
Manual Integrations
APPROVED

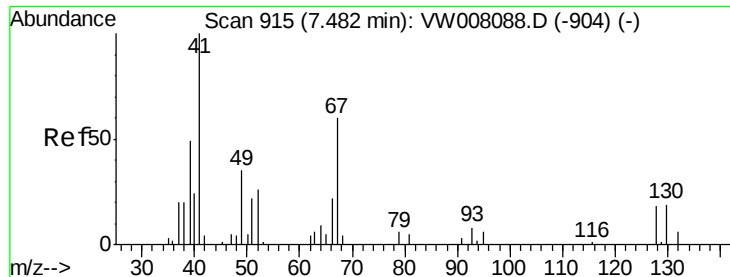
MMDadoda
1/11/2019 2:27:40 PM



#40
Benzene
Concen: 19.590 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.2	30.4





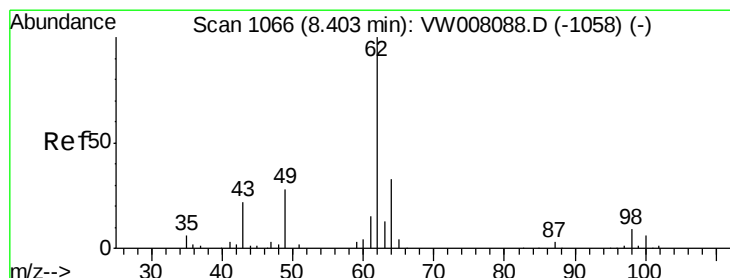
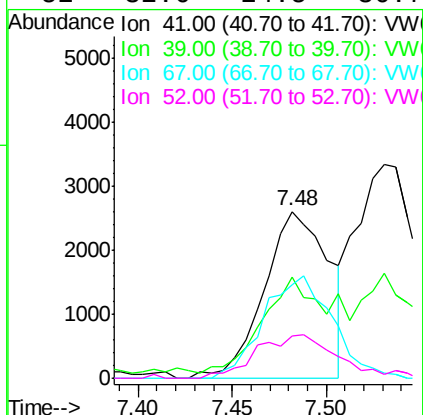
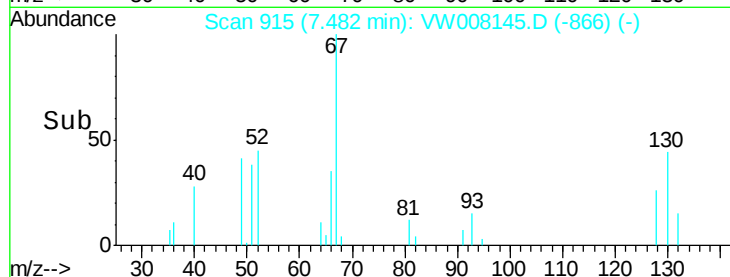
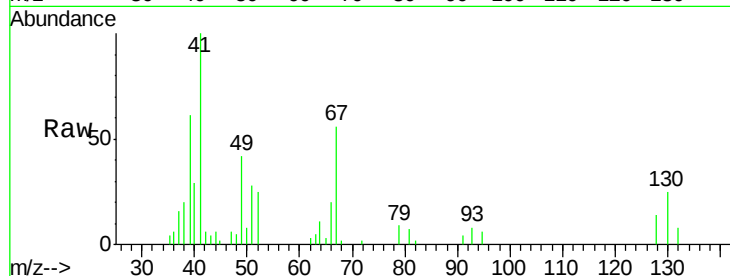
#41
Methacrylonitrile
Concen: 18.822 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.8	47.9	71.9	
67	65.6	56.3	84.5	
52	32.6	24.5	36.7	

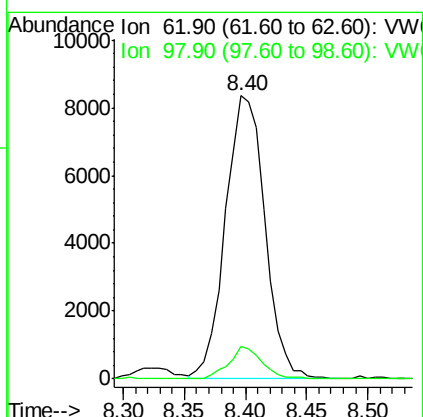
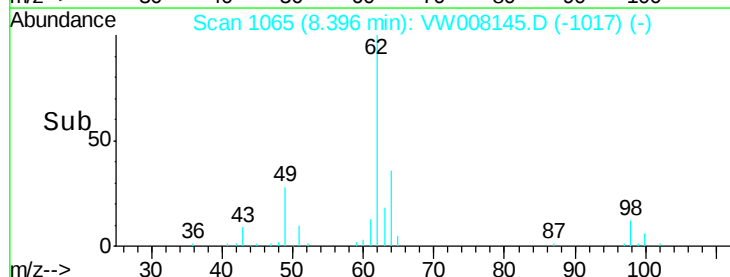
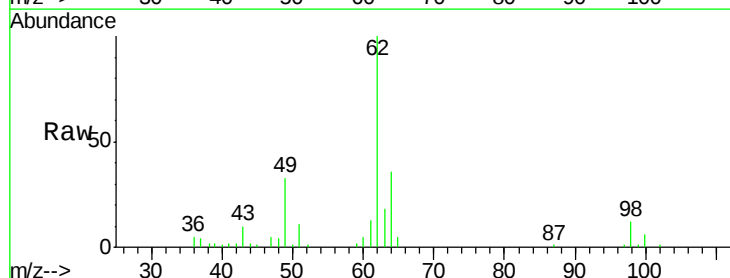
Manual Integrations
APPROVED

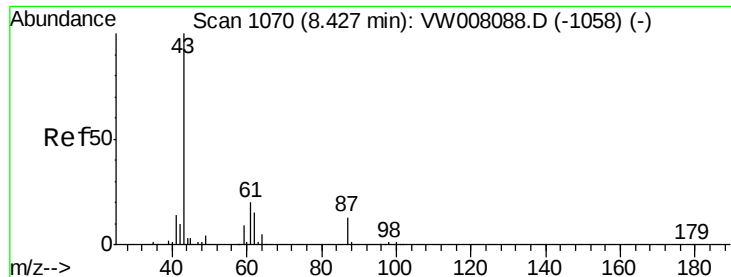
MMDadoda
1/11/2019 2:27:40 PM



#42
1,2-Dichloroethane
Concen: 18.785 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.6	





#43

Isopropyl Acetate

Concen: 18.990 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

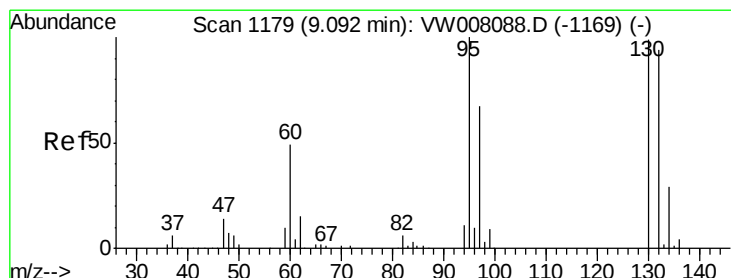
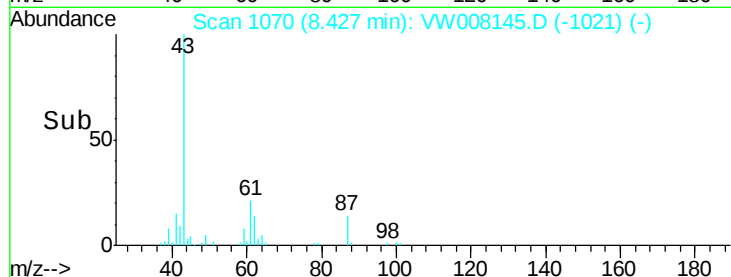
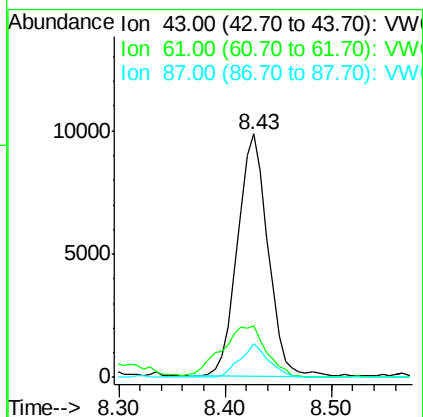
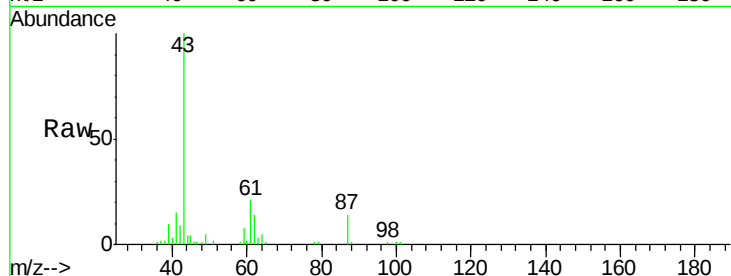
ClientSampleId :

VW0110SBSD01

Tot Ion:	43	Resp:	19824
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	13.0	10.4	15.6

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#44

Trichloroethene

Concen: 18.904 ug/l

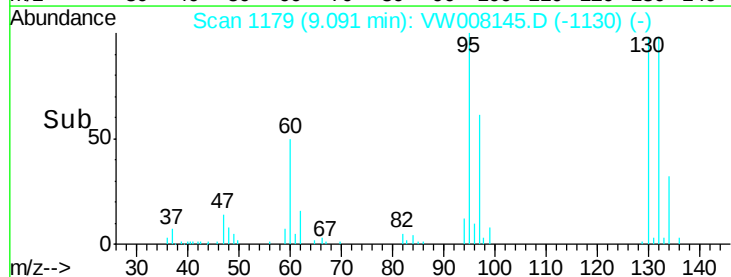
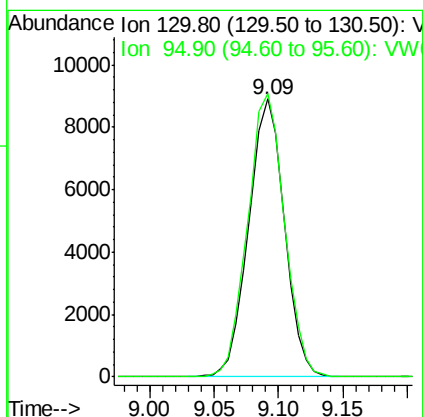
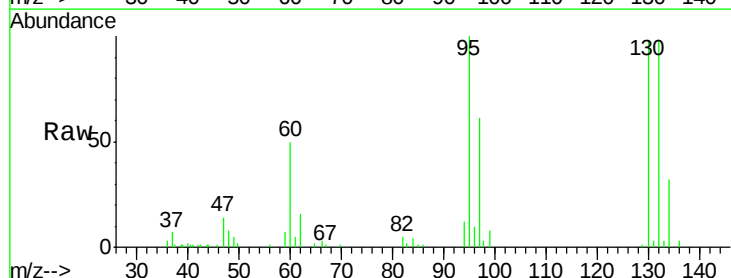
RT: 9.09 min Scan# 1179

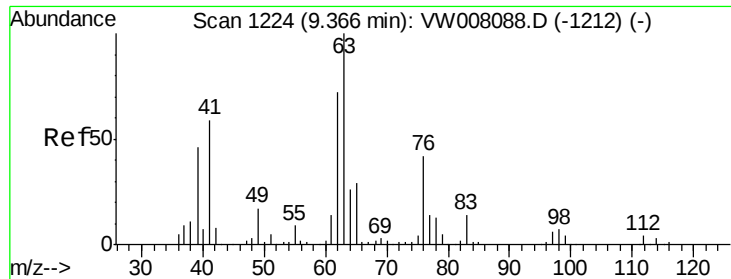
Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion:	130	Resp:	17105
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	202.8





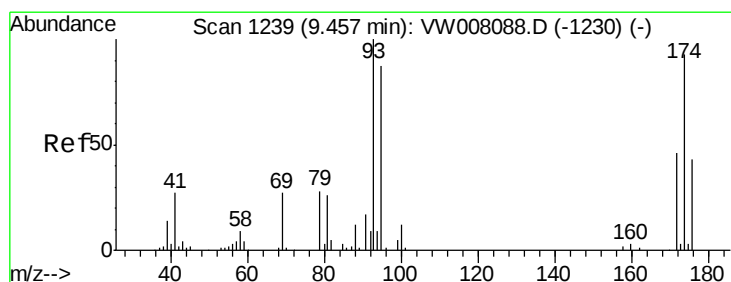
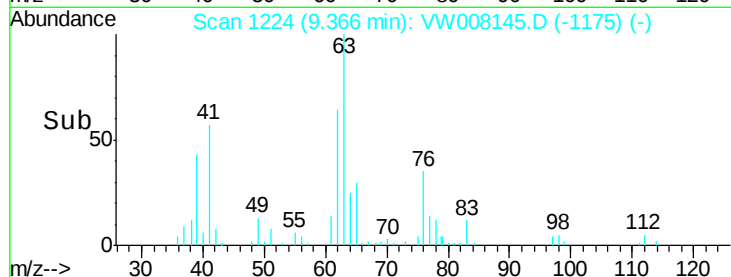
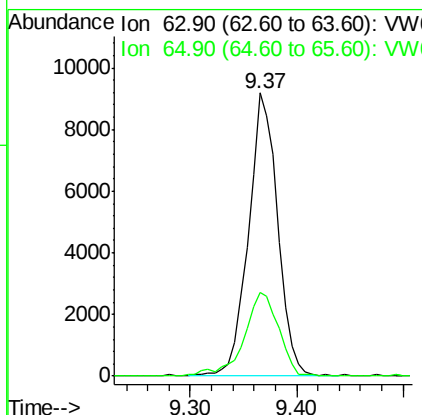
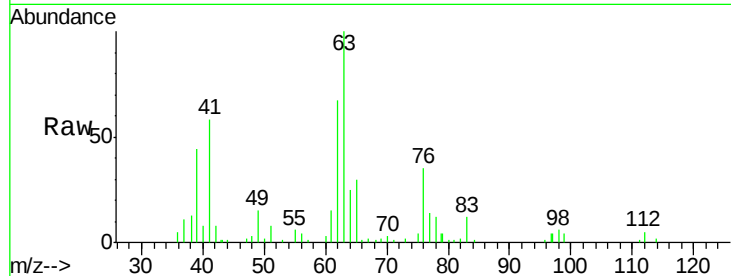
#45
 1,2-Dichloropropane
 Concen: 20.203 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion: 63 Resp: 17707
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.3 34.9

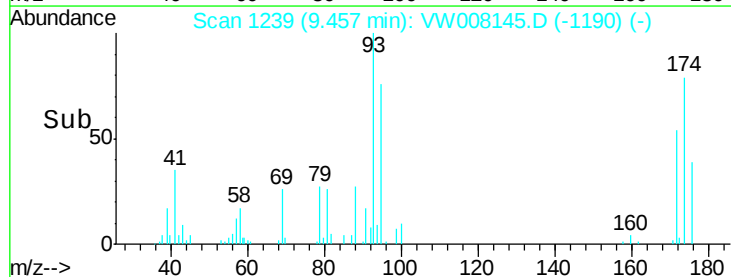
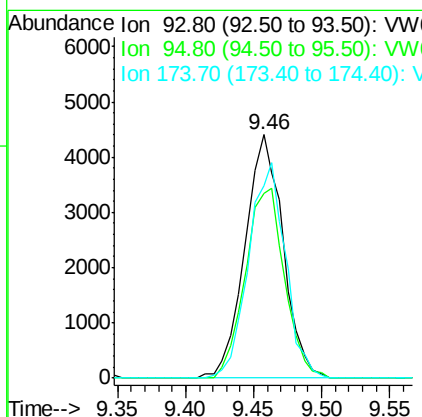
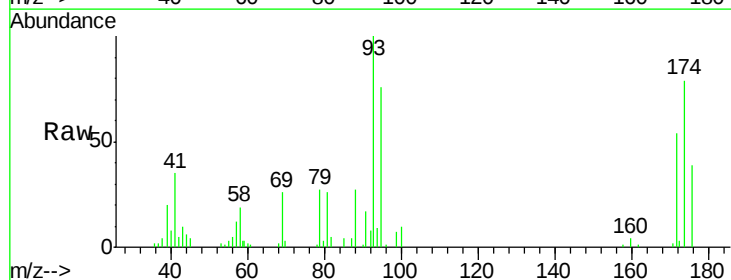
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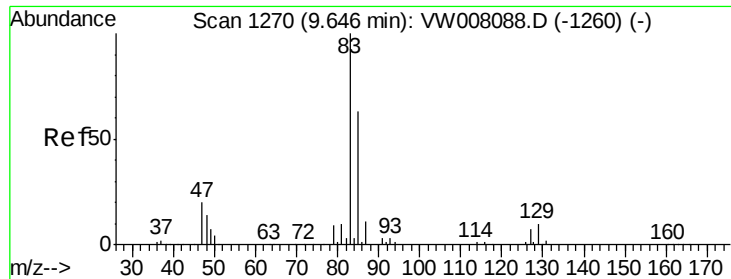
MMDadoda
 1/11/2019 2:27:40 PM



#46
 Dibromomethane
 Concen: 20.089 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion: 93 Resp: 8647
 Ion Ratio Lower Upper
 93 100
 95 80.4 67.5 101.3
 174 85.4 72.5 108.7





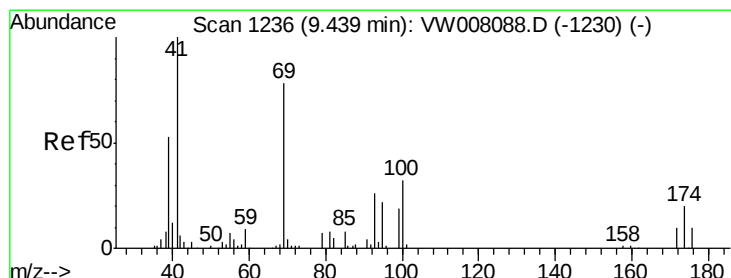
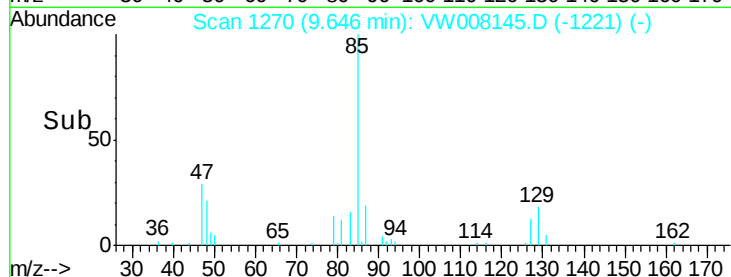
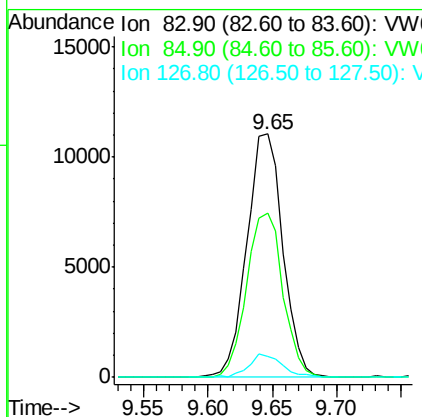
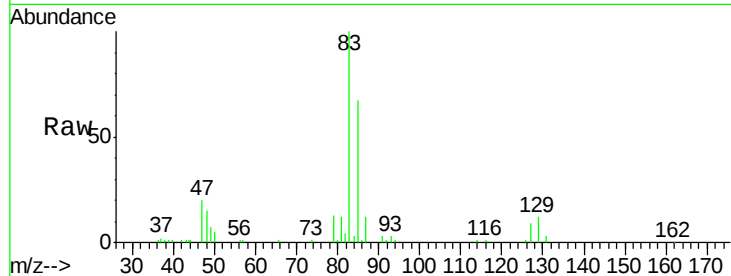
#47
Bromodichloromethane
Concen: 19.473 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	83	Resp	21283
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	50.7	76.1
127	8.7	6.0	9.0

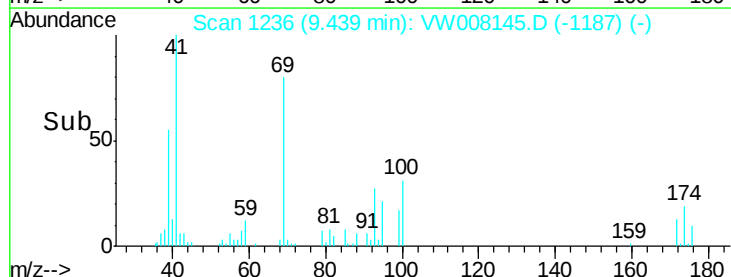
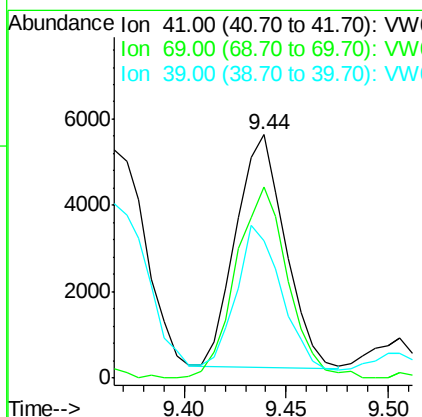
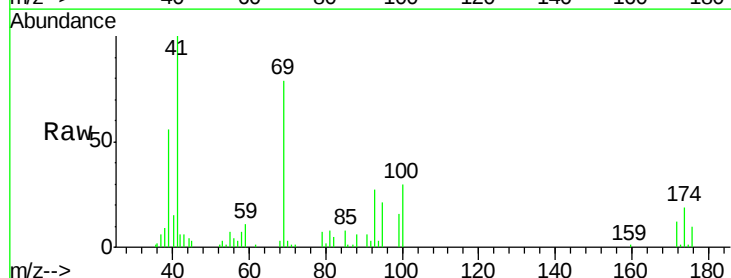
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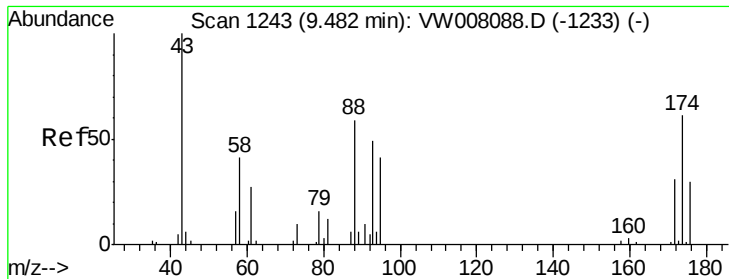
MMDadoda
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#48
Methyl methacrylate
Concen: 18.448 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	41	Resp	9087
Ion Ratio	100	Lower	Upper
41	100		
69	86.5	61.9	92.9
39	57.8	43.0	64.4





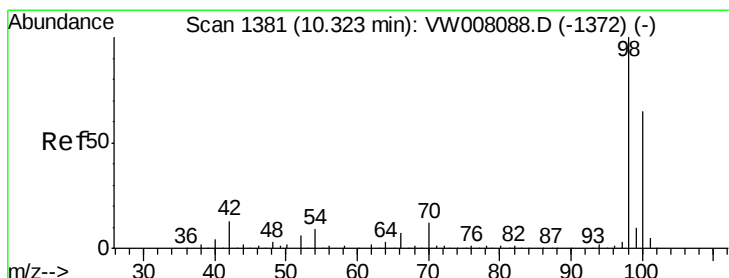
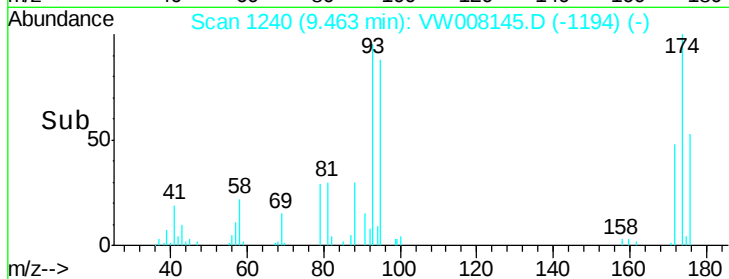
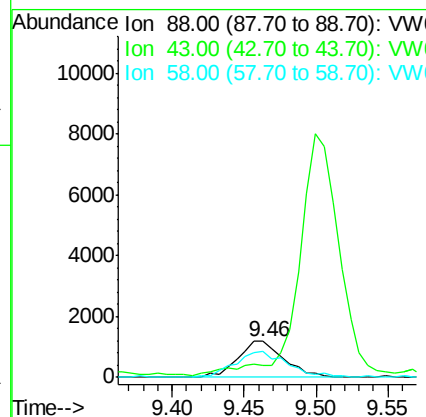
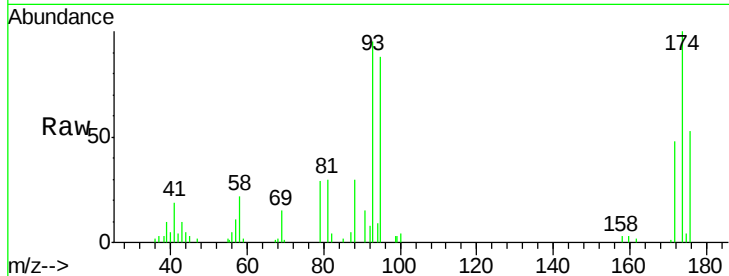
#49
 1,4-Dioxane
 Concen: 381.957 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.02 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	83.0	61.7	92.5

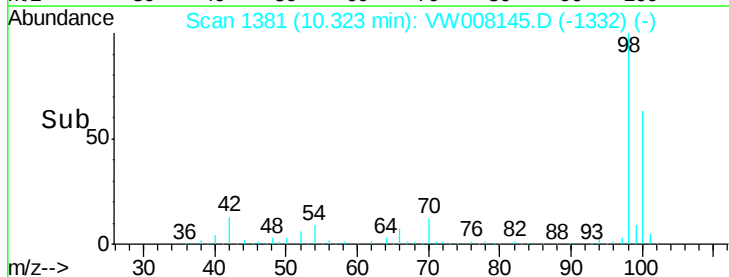
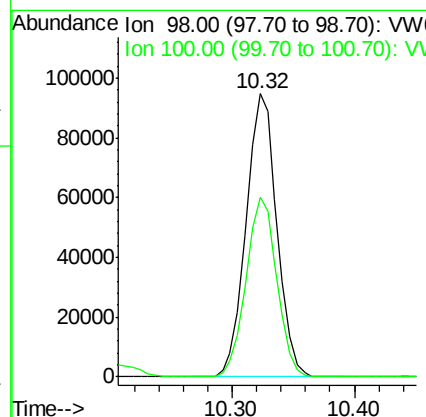
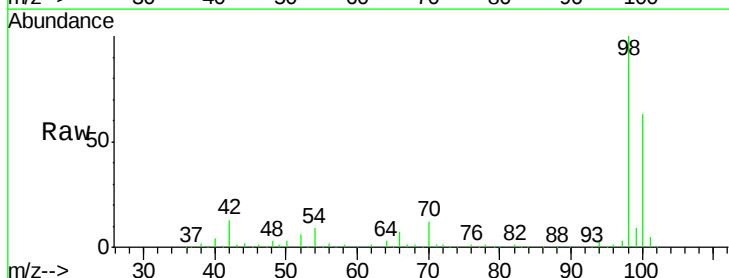
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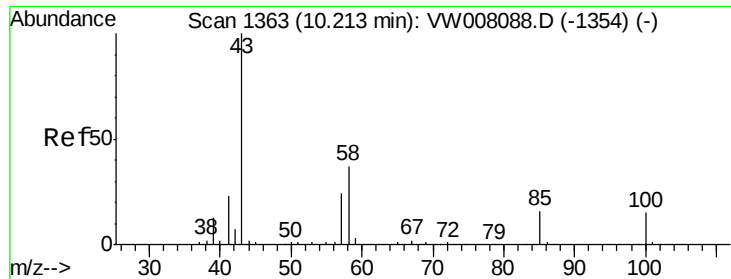
MMDadoda
 1/11/2019 2:27:40 PM



#50
 Toluene-d8
 Concen: 53.286 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 98.929 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 43 Resp: 49990

Ion Ratio Lower Upper

43 100

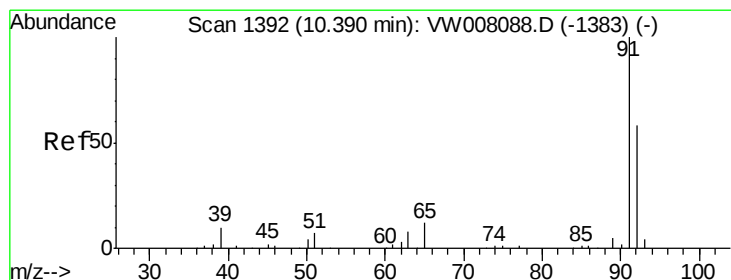
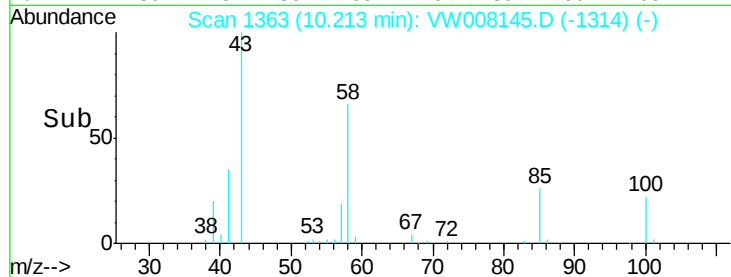
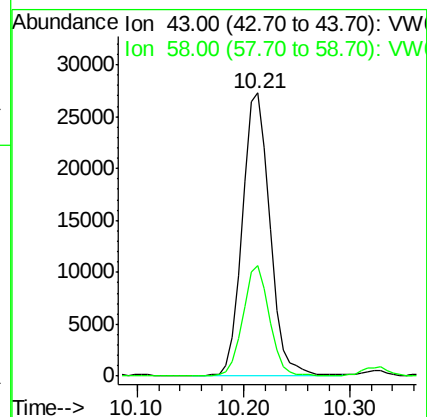
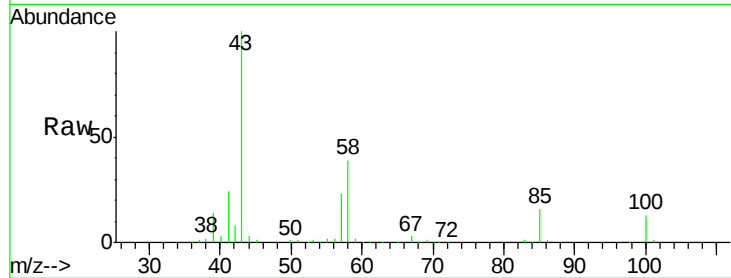
58 37.2 30.6 46.0

Manual Integrations

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#52

Toluene

Concen: 19.356 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008145.D

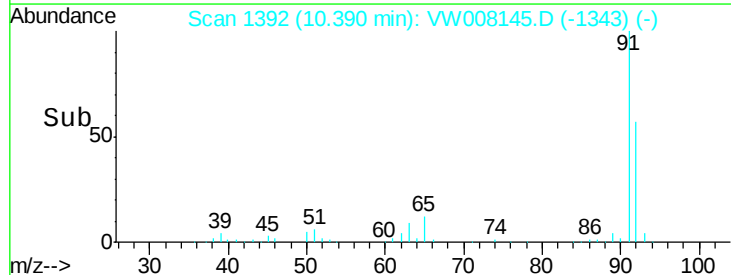
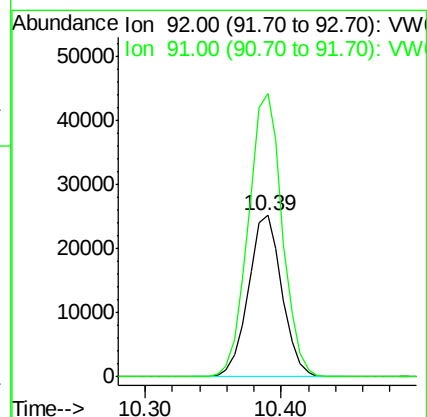
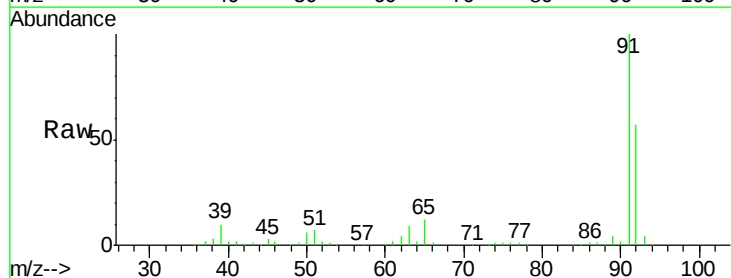
Acq: 10 Jan 2019 13:41

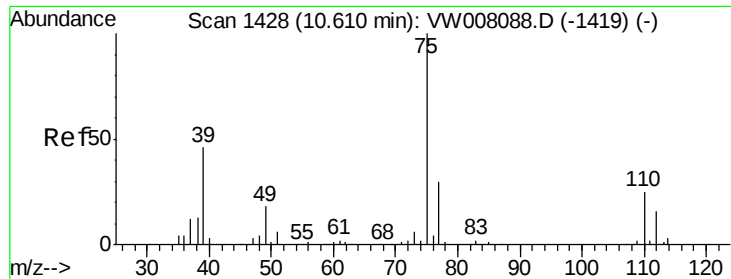
Tgt Ion: 92 Resp: 43695

Ion Ratio Lower Upper

92 100

91 177.1 137.0 205.4





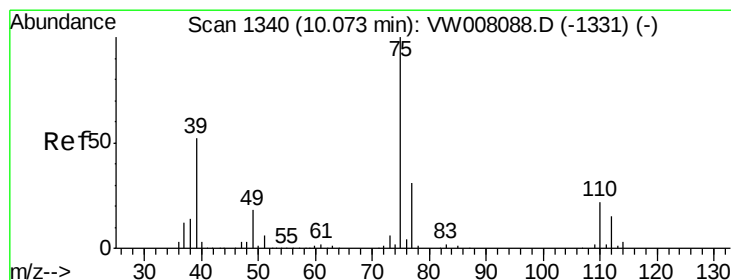
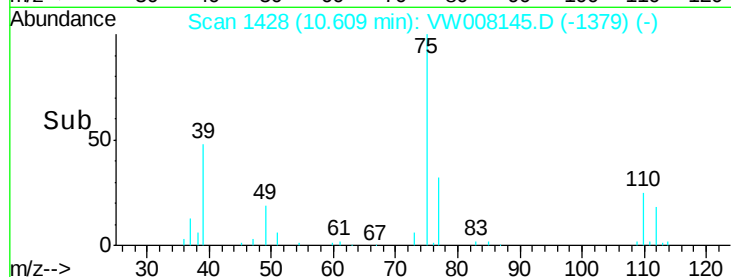
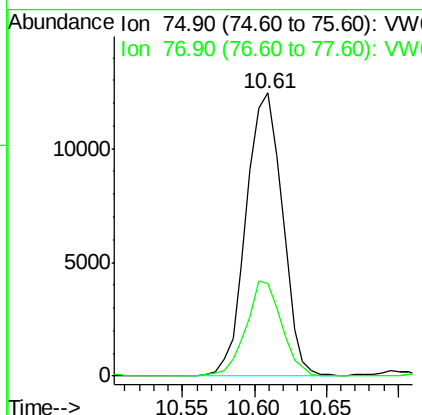
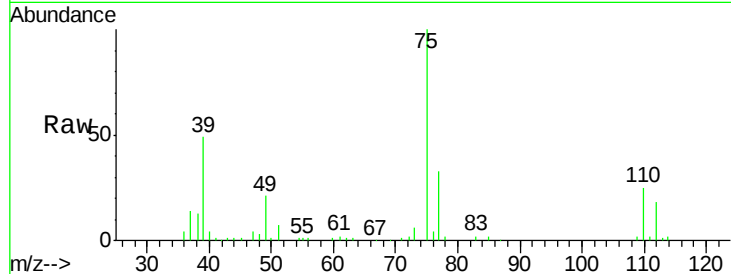
#53
t-1,3-Dichloropropene
Concen: 19.091 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion: 75 Resp: 21704
Ion Ratio Lower Upper
75 100
77 32.6 24.4 36.6

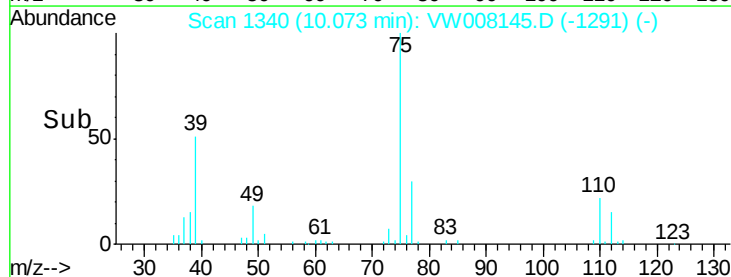
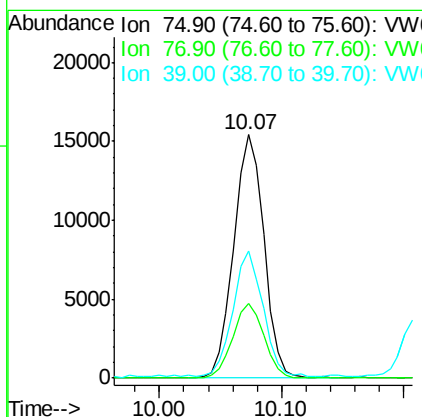
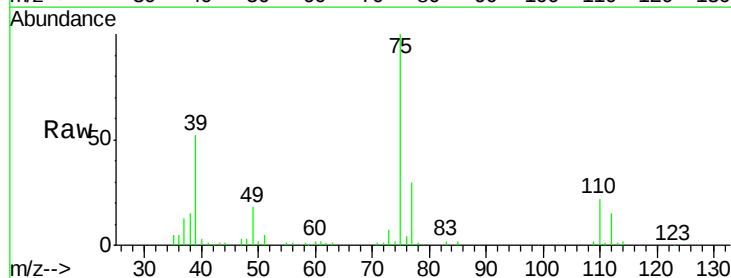
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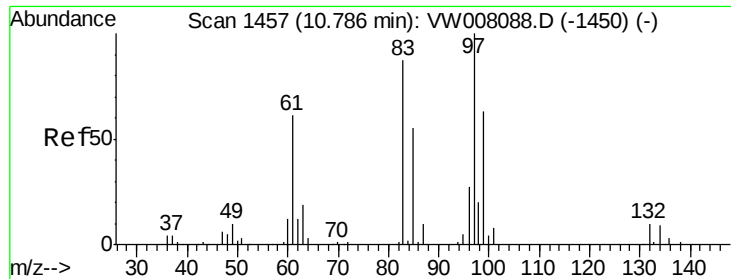
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#54
cis-1,3-Dichloropropene
Concen: 19.578 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 75 Resp: 26394
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8
39 50.9 41.4 62.0





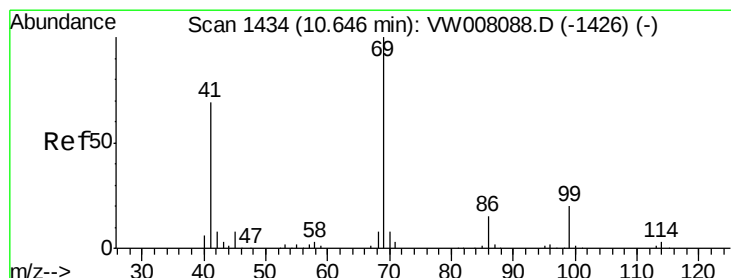
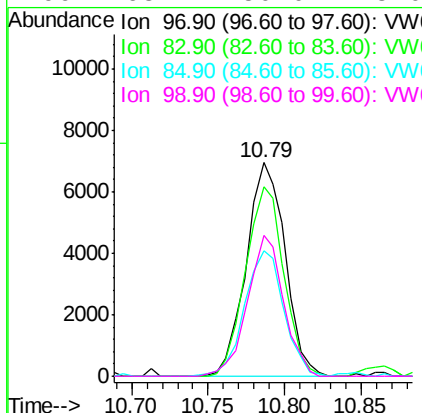
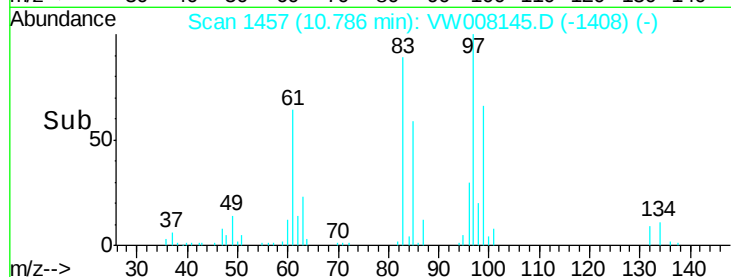
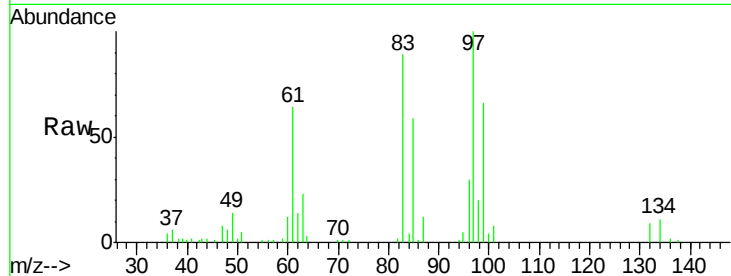
#55
1,1,2-Trichloroethane
Concen: 20.313 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	97	Resp	12276
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.3	103.9
85	58.6	43.8	65.6
99	65.7	50.0	75.0

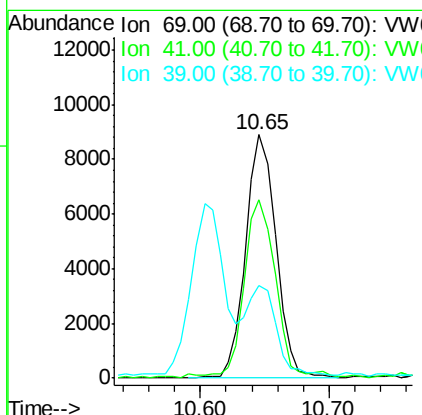
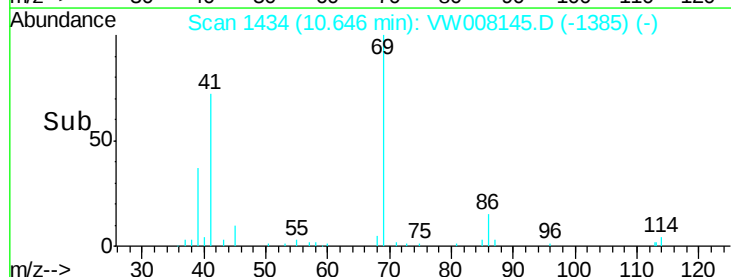
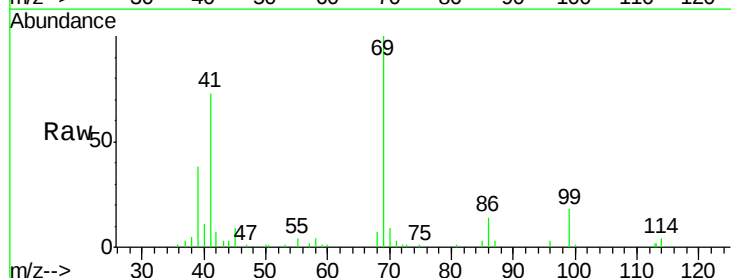
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#56
Ethyl methacrylate
Concen: 19.421 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	69	Resp	14535
Ion	Ratio	Lower	Upper
69	100		
41	75.2	56.4	84.6
39	36.9	28.1	42.1





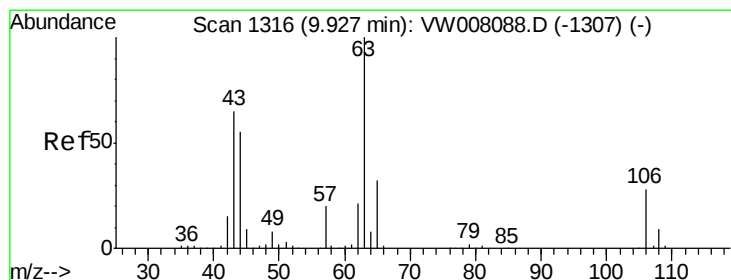
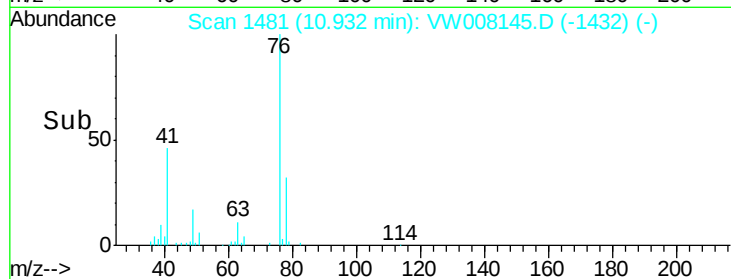
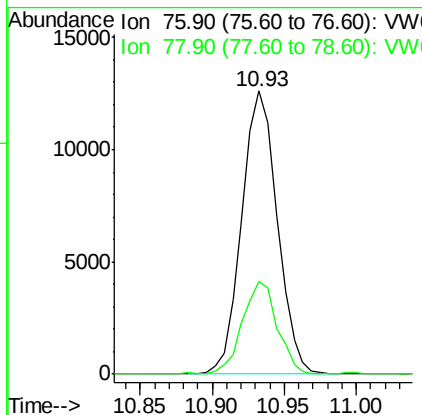
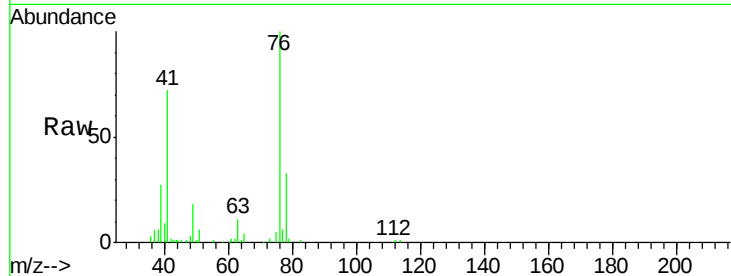
#57
 1,3-Dichloropropane
 Concen: 19.535 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion: 76 Resp: 21591
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

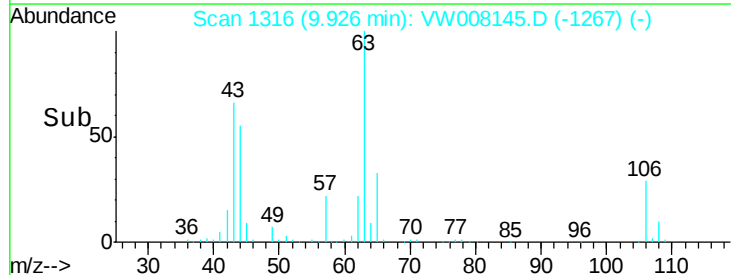
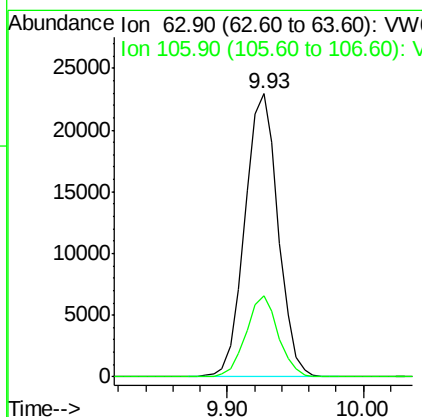
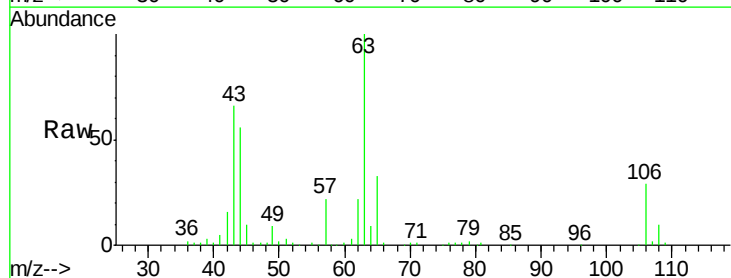
Manual Integrations
 APPROVED

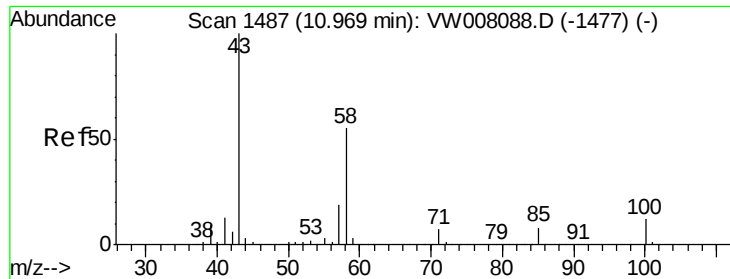
MMDadoda
 1/11/2019 2:27:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.362 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion: 63 Resp: 39186
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.6





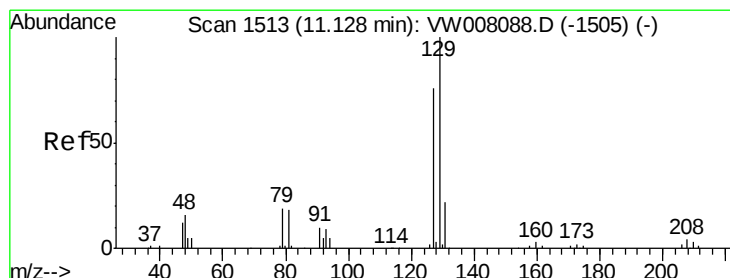
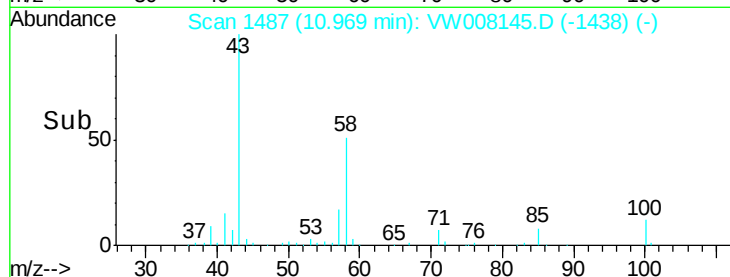
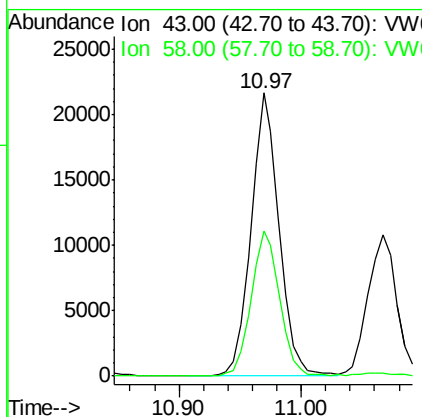
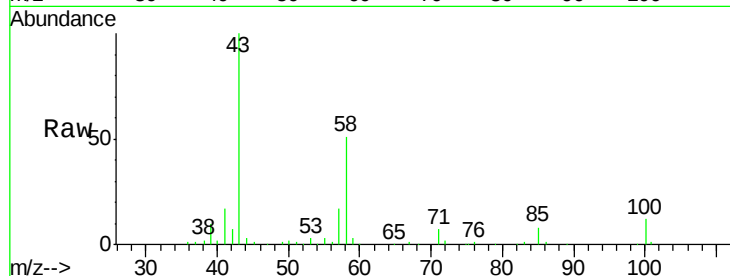
#59
2-Hexanone
Concen: 101.233 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleID :
VW0110SBSD01

Tot Ion: 43 Resp: 34593
Ion Ratio Lower Upper
43 100
58 52.1 27.2 81.5

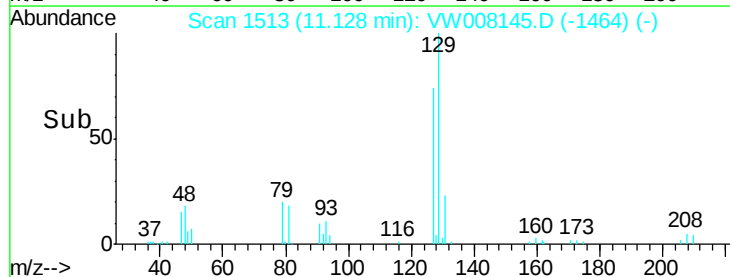
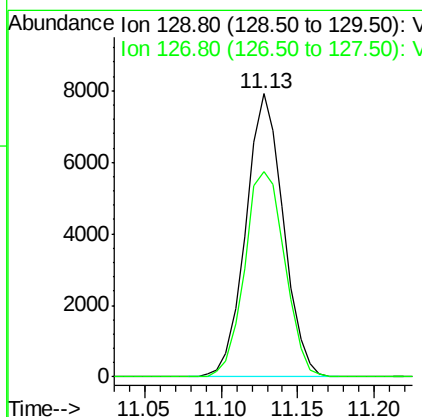
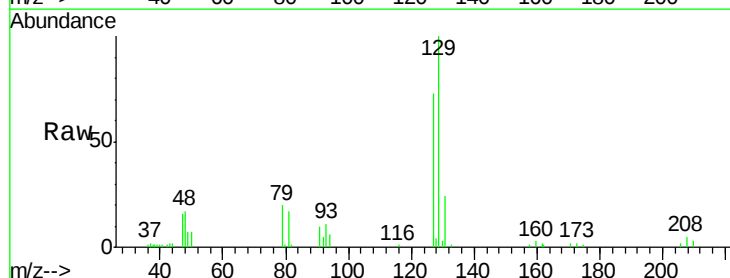
Manual Integrations
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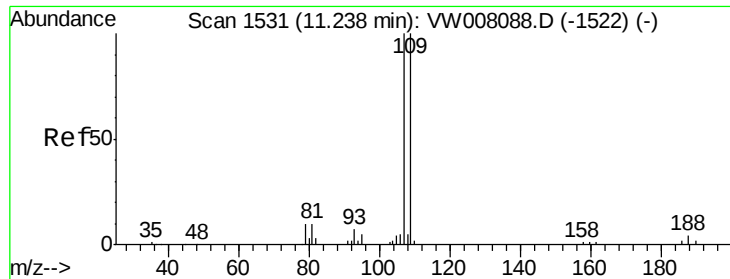
MMDadoda
1/11/2019 2:27:40 PM



#60
Dibromochloromethane
Concen: 20.344 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 129 Resp: 13501
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.952 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion:107 Resp: 11441

Ion Ratio Lower Upper

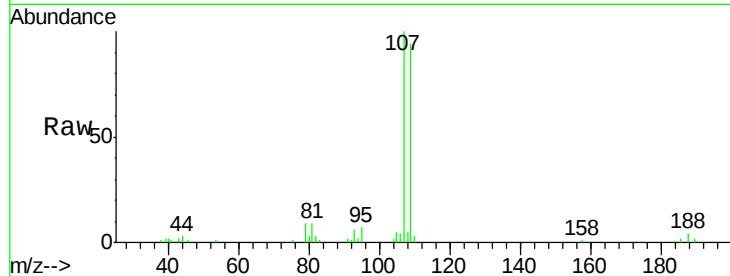
107 100

109 92.7 75.9 113.9

Manual Integrations
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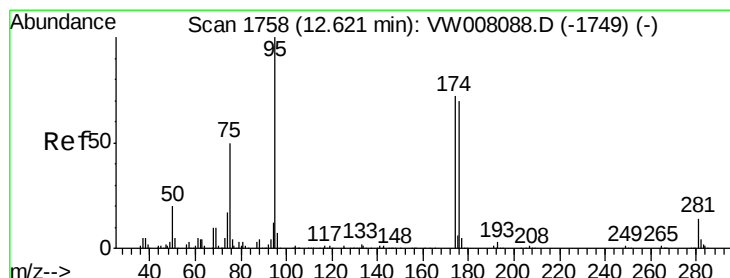
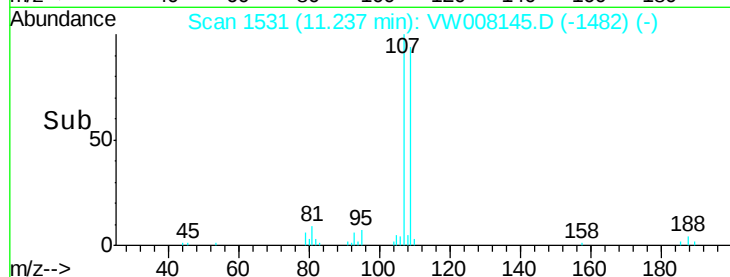
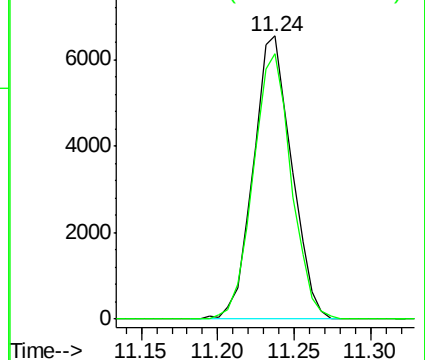
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.033 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

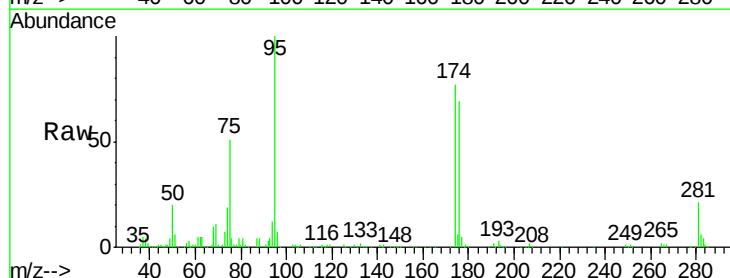
Tgt Ion: 95 Resp: 56651

Ion Ratio Lower Upper

95 100

174 73.8 0.0 143.0

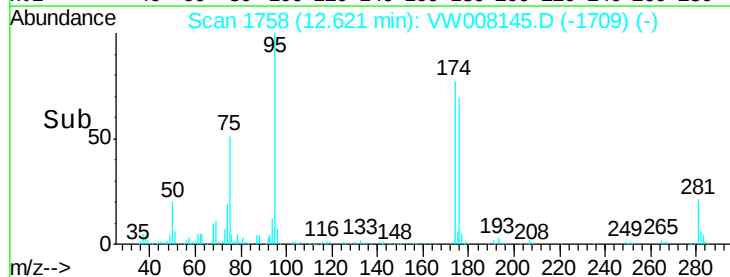
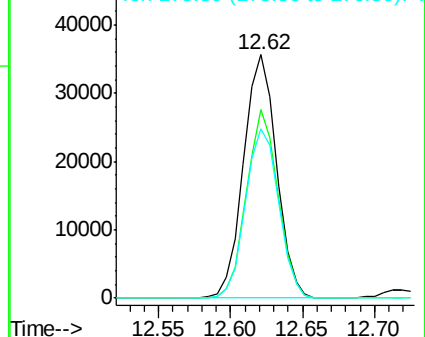
176 69.8 0.0 140.2

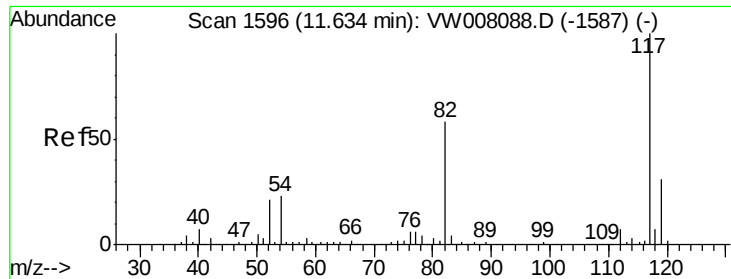


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





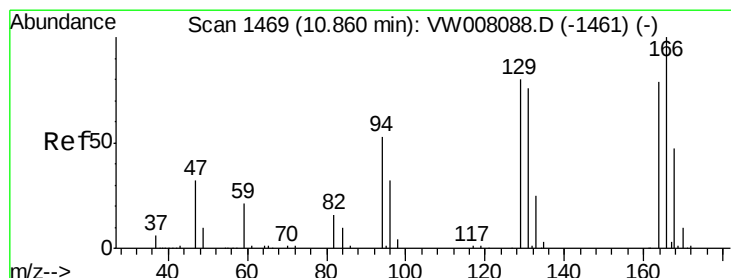
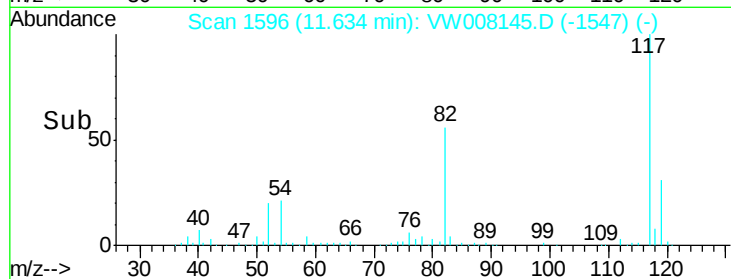
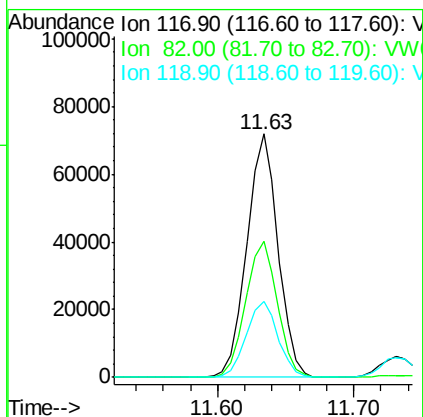
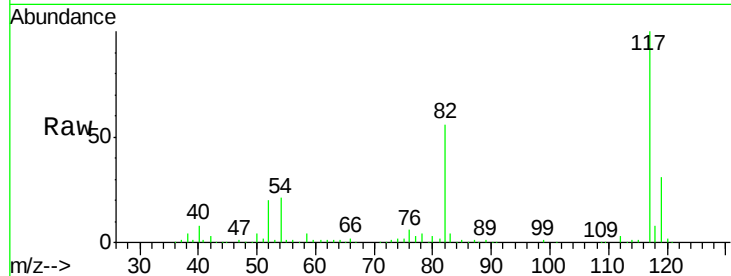
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.4	69.6
119	31.2	24.7	37.1

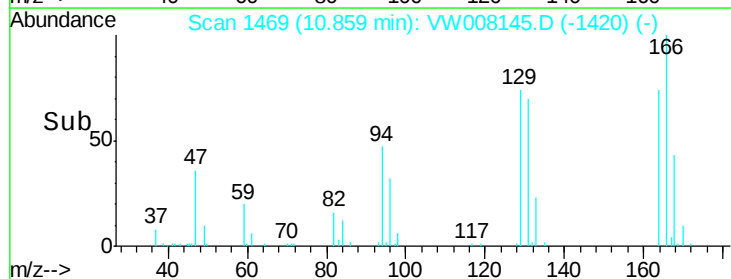
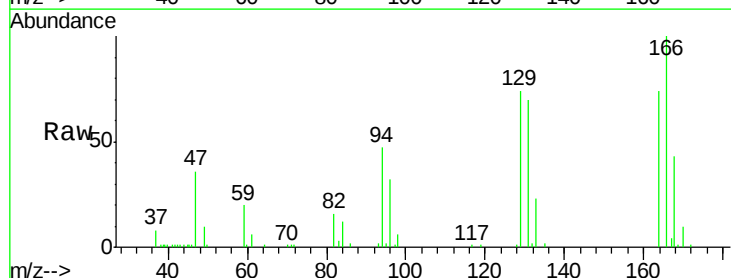
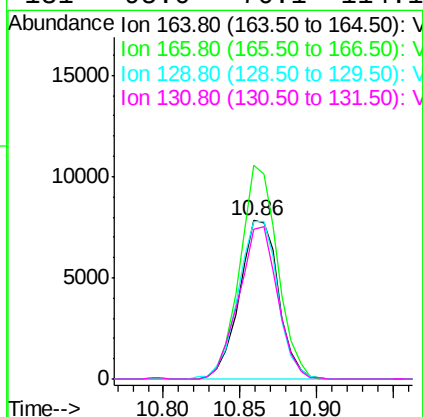
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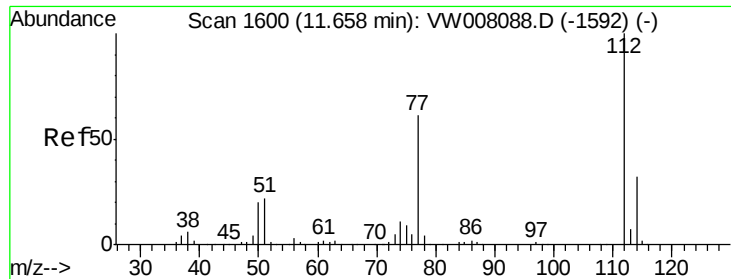
MMDadoda
1/11/2019 2:27:40 PM



#64
Tetrachloroethene
Concen: 18.393 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.0	100.7	151.1
129	99.6	81.0	121.4
131	95.0	76.1	114.1





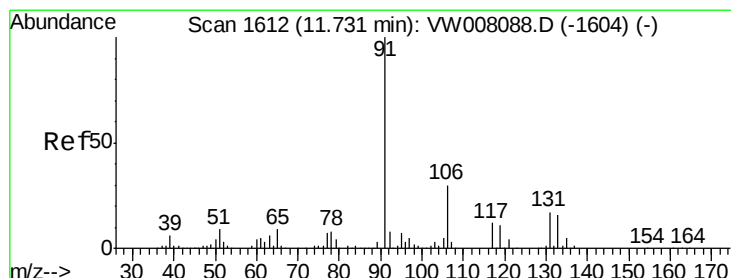
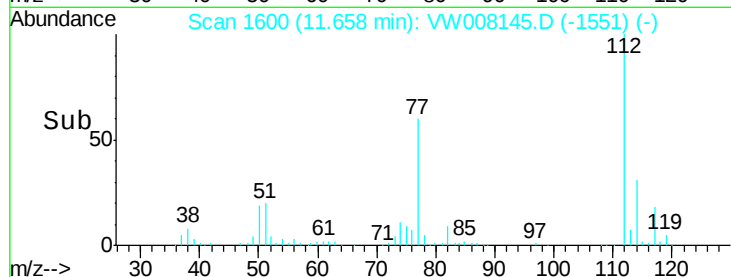
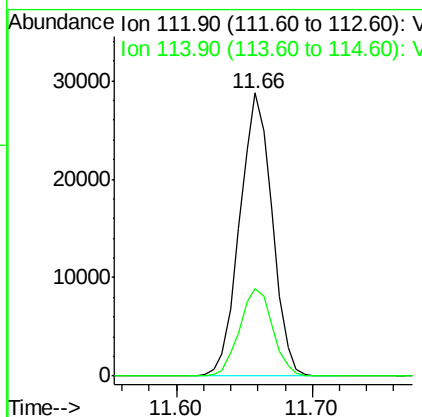
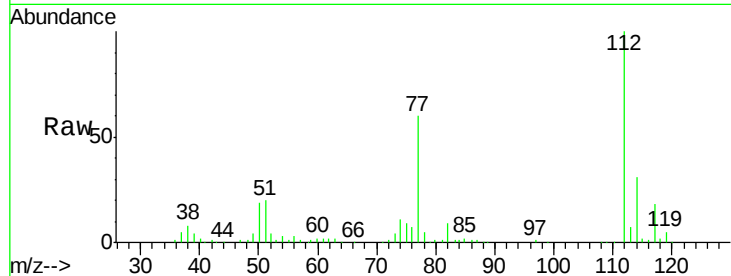
#65
Chlorobenzene
Concen: 19.534 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion:112 Resp: 47827
Ion Ratio Lower Upper
112 100
114 31.0 25.6 38.4

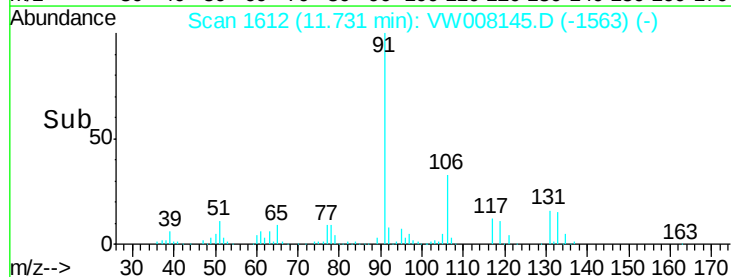
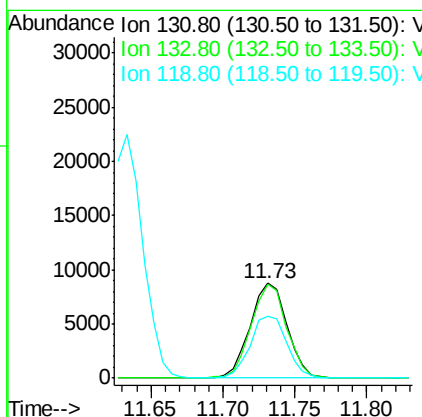
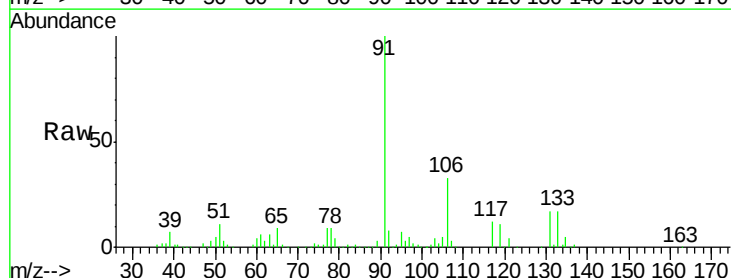
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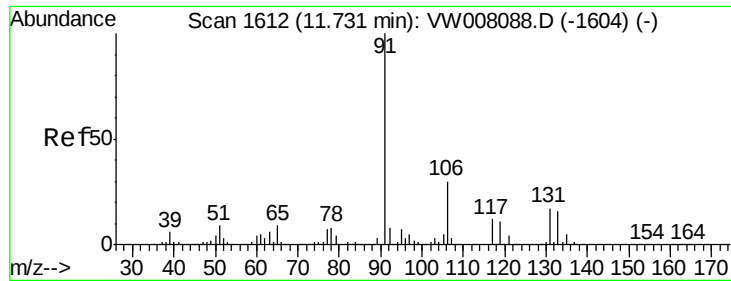
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.403 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion:131 Resp: 15451
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 65.2 32.5 97.4





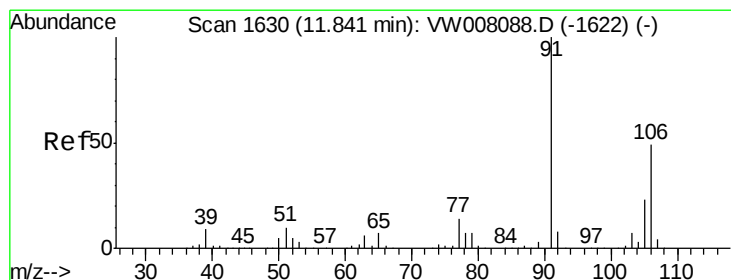
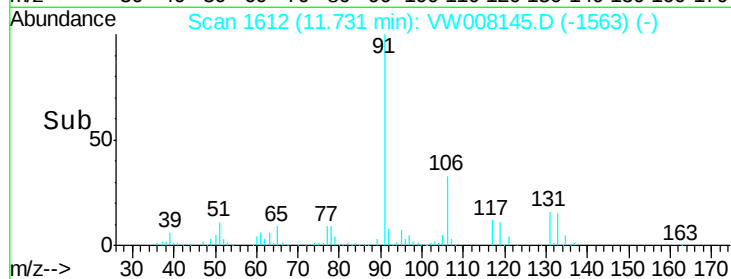
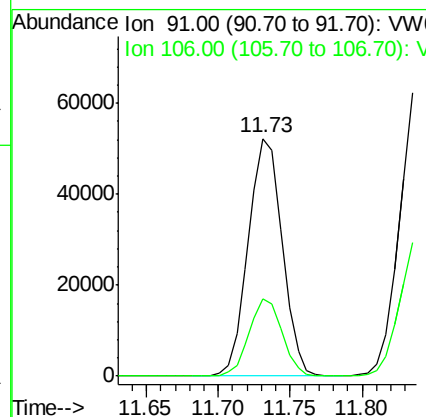
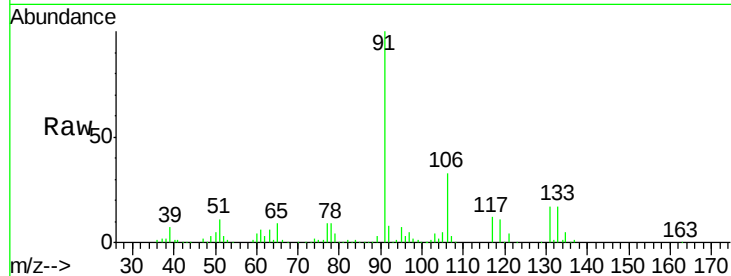
#67
Ethyl Benzene
Concen: 19.039 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampled :
VW0110SBSD01

Tot Ion: 91 Resp: 85292
Ion Ratio Lower Upper
91 100
106 32.8 24.2 36.4

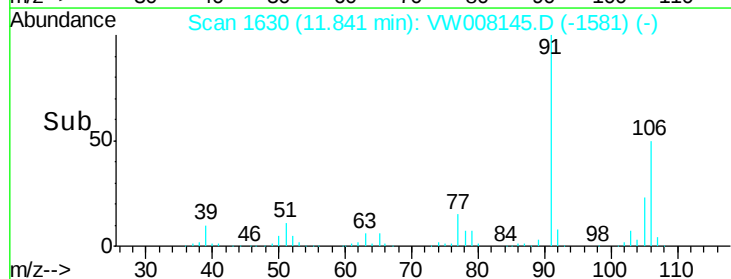
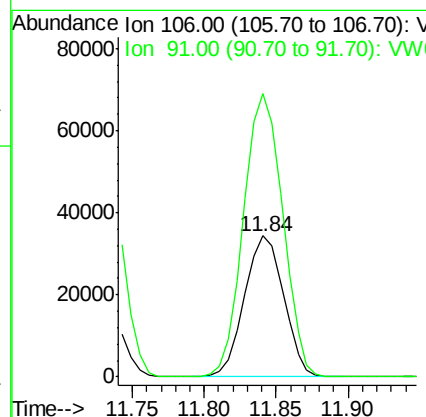
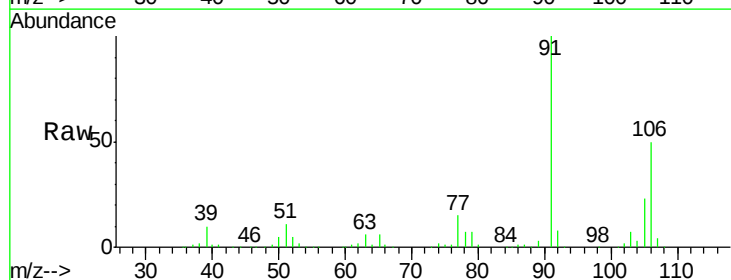
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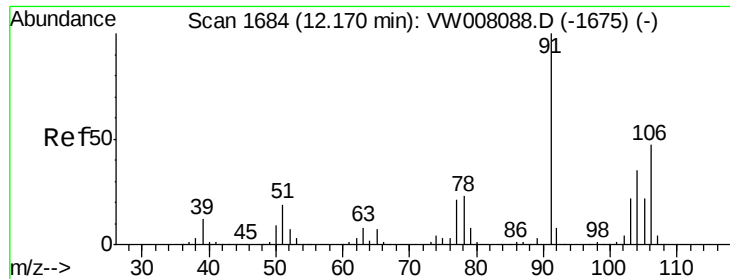
MMDadoda
1/11/2019 2:27:40 PM



#68
m/p-Xylenes
Concen: 37.967 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 106 Resp: 64920
Ion Ratio Lower Upper
106 100
91 201.2 162.4 243.6





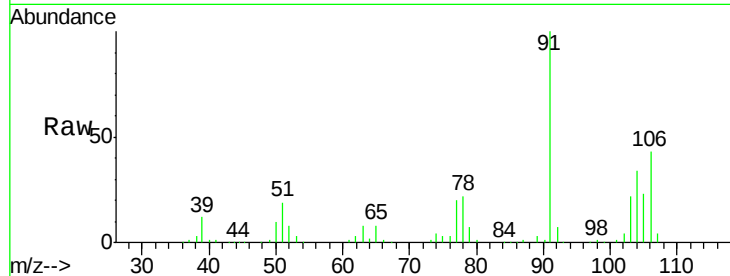
#69
o-Xylene
Concen: 18.288 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

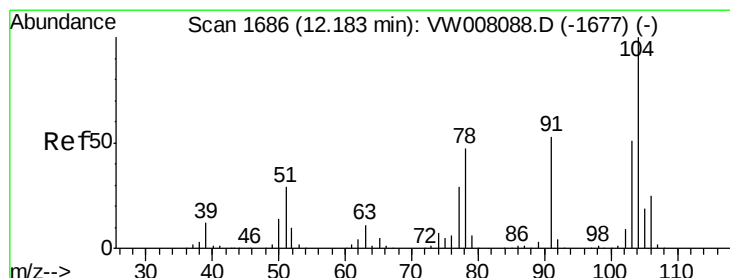
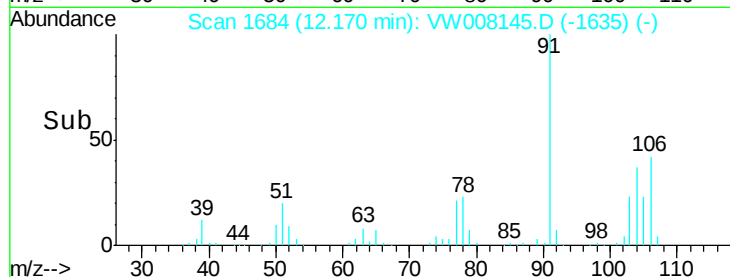
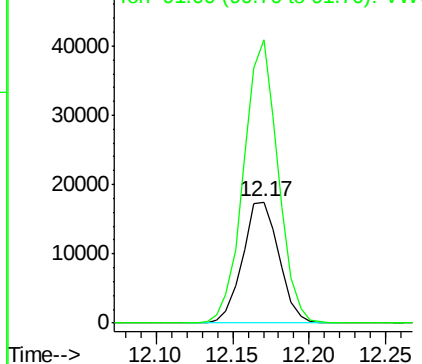
Tot Ion:106 Resp: 28958
Ion Ratio Lower Upper
106 100
91 219.9 107.8 323.6

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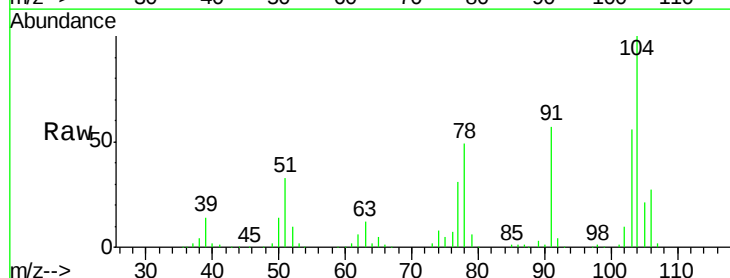


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

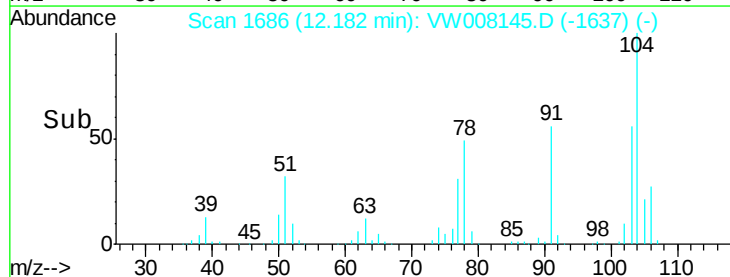
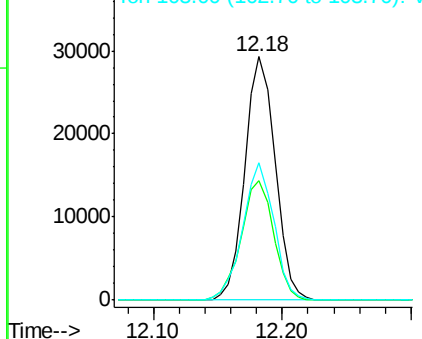


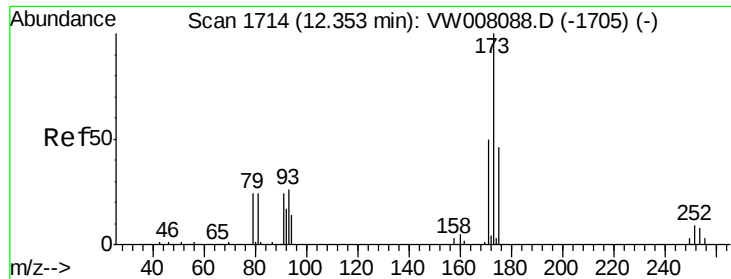
#70
Styrene
Concen: 19.204 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion:104 Resp: 47628
Ion Ratio Lower Upper
104 100
78 52.7 41.8 62.8
103 57.6 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: 19.767 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion:173 Resp: 7045

Ion Ratio Lower Upper

173 100

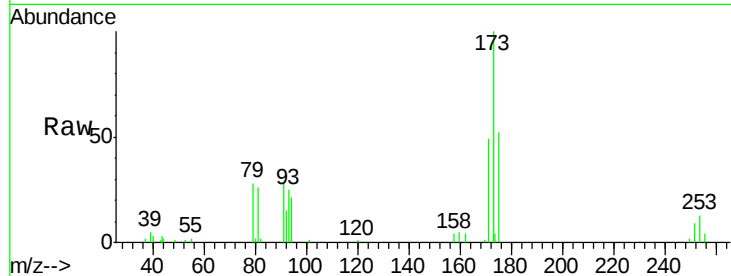
175 53.6 23.3 69.8

254 0.0 0.0 0.0

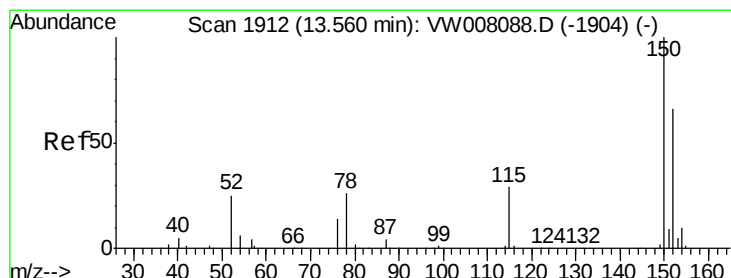
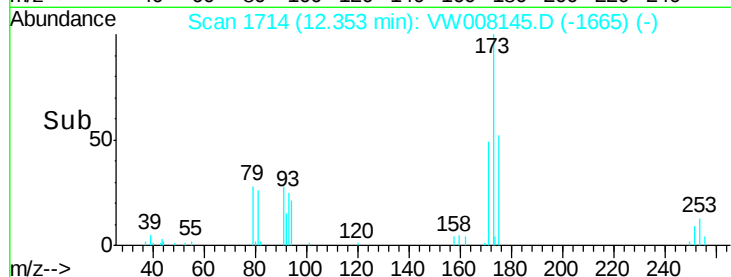
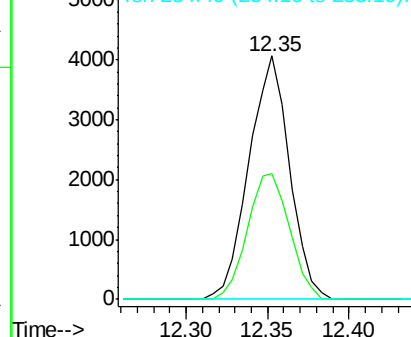
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

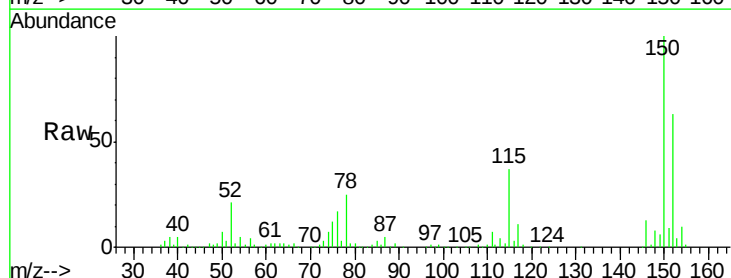
Tgt Ion:152 Resp: 56450

Ion Ratio Lower Upper

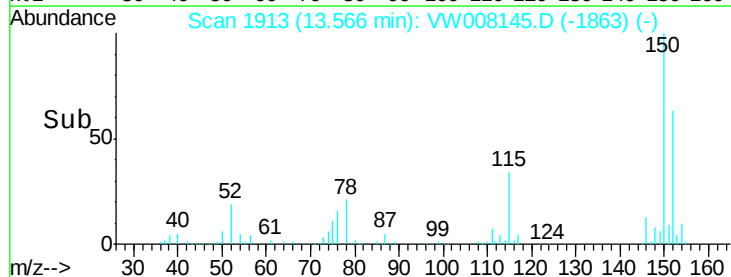
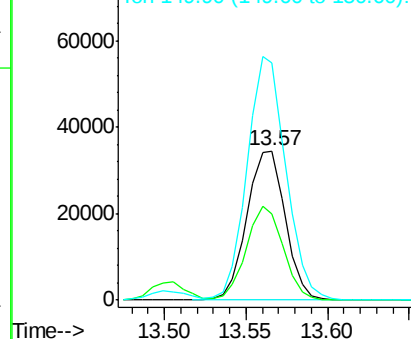
152 100

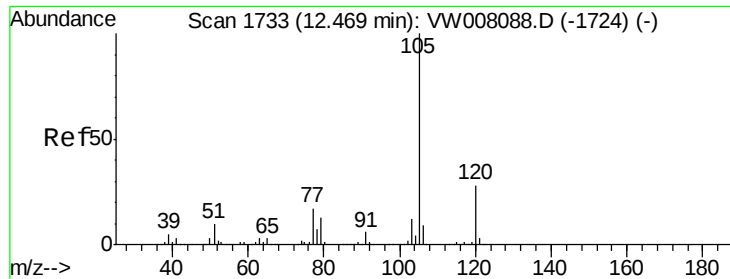
115 61.4 30.8 92.4

150 165.5 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





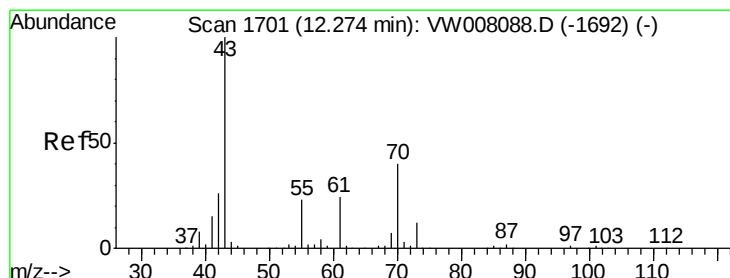
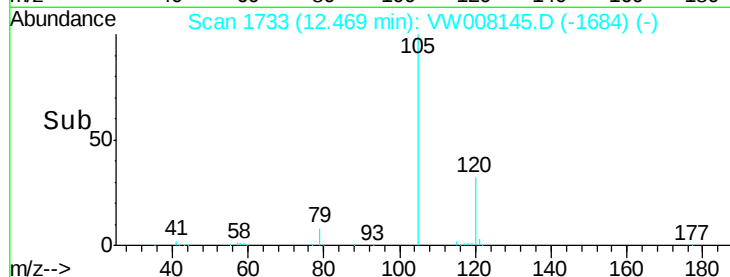
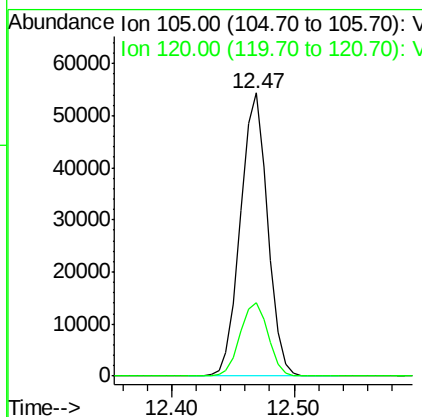
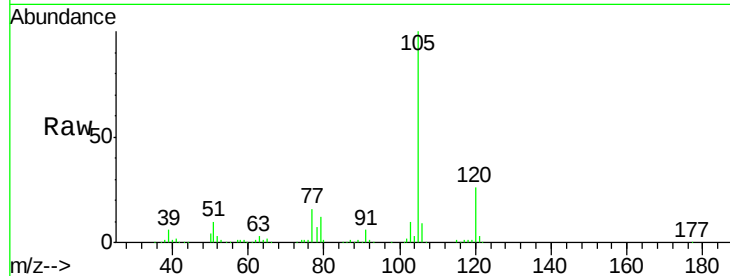
#73
Isopropylbenzene
Concen: 18.857 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion: 105 Resp: 83570
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.8

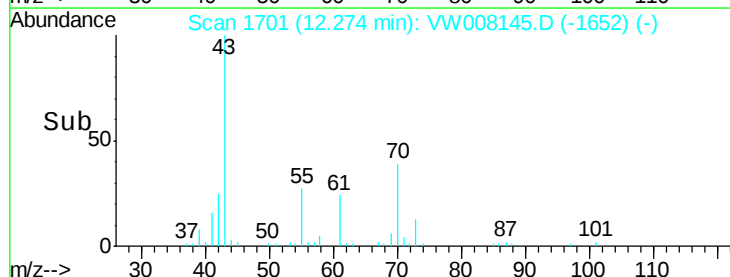
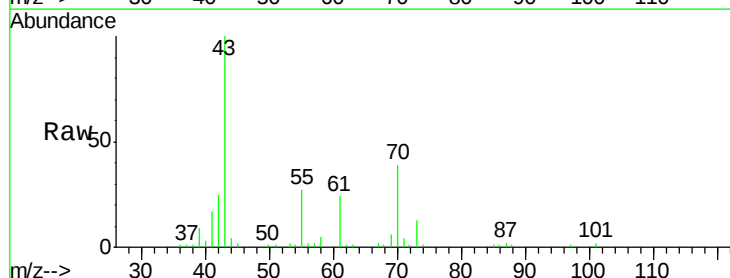
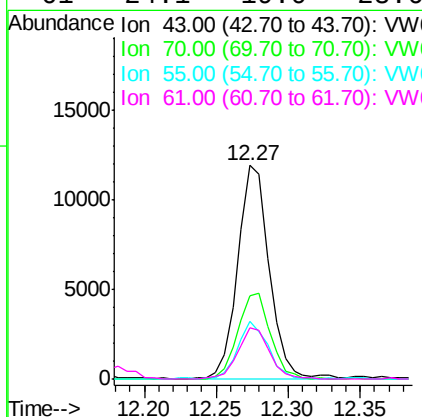
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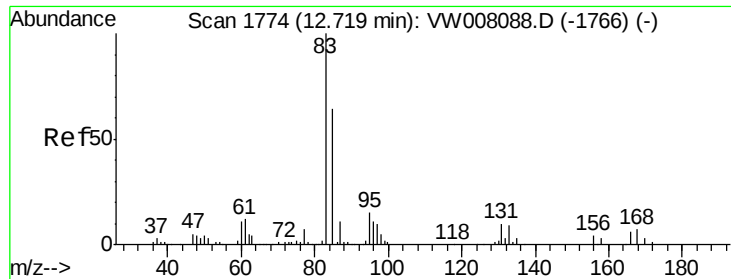
MMDadoda
1/11/2019 2:27:40 PM



#74
N-ethyl acetate
Concen: 18.575 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion: 43 Resp: 18231
Ion Ratio Lower Upper
43 100
70 41.0 32.4 48.6
55 26.1 18.7 28.1
61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.571 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

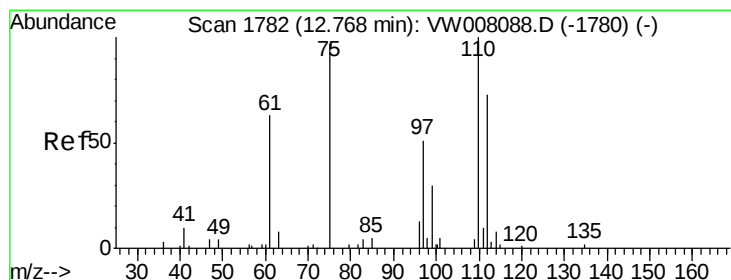
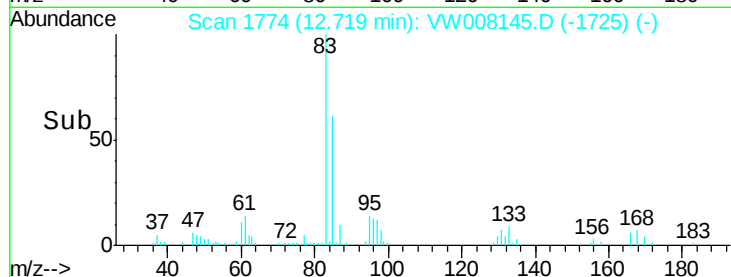
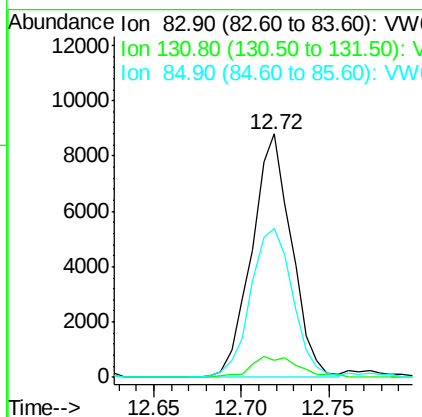
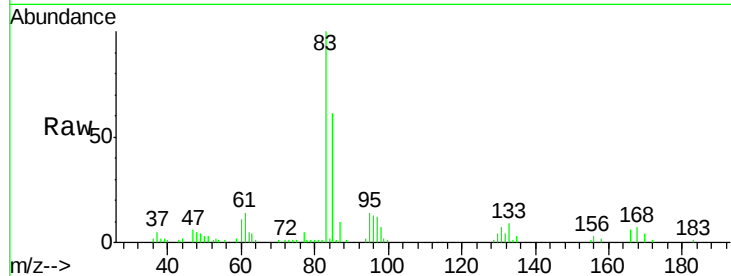
ClientSampleId :

VW0110SBSD01

Tot Ion:	83	Resp:	13883
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	65.0	32.4	97.2

Manual Integrations
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1/11/2019 2:27:40 PM



#76

1,2,3-Trichloropropane

Concen: 16.284 ug/l m

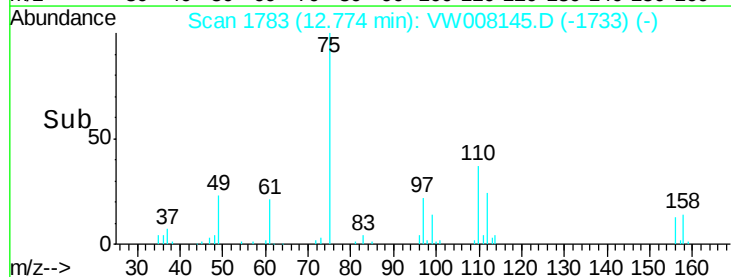
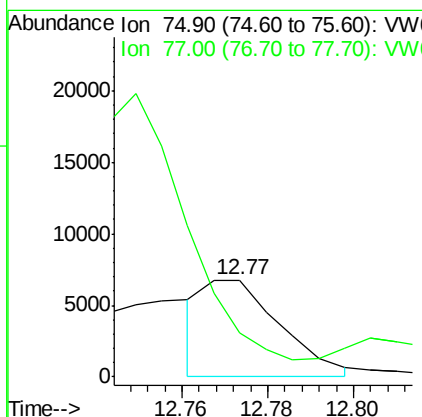
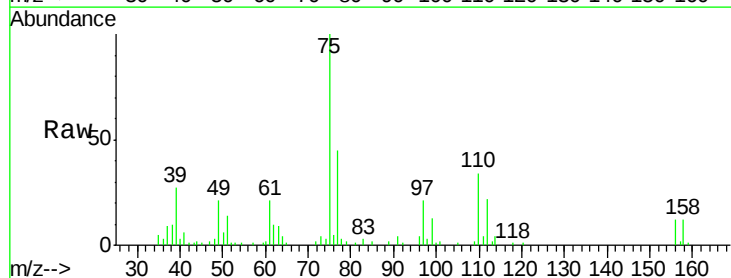
RT: 12.77 min Scan# 1783

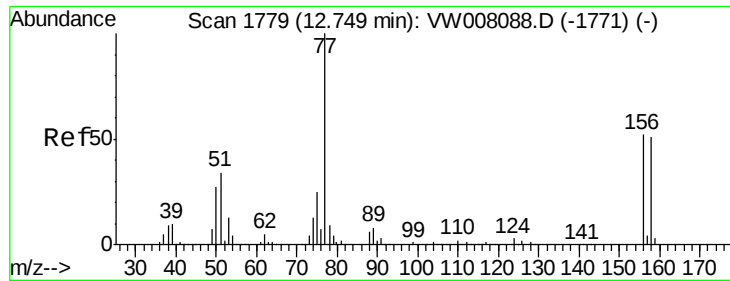
Delta R.T. 0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion:	75	Resp:	8380
Ion Ratio	Lower	Upper	
75	100		
77	0.0	179.4	538.2#





#77

Bromobenzene

Concen: 18.770 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

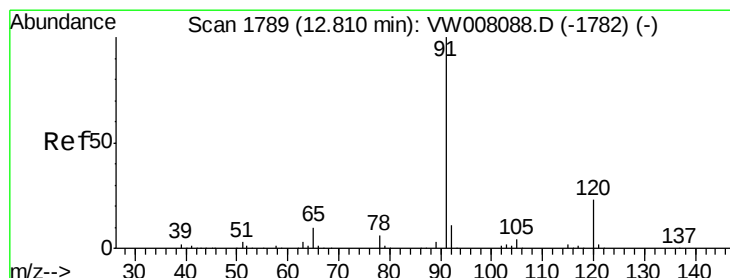
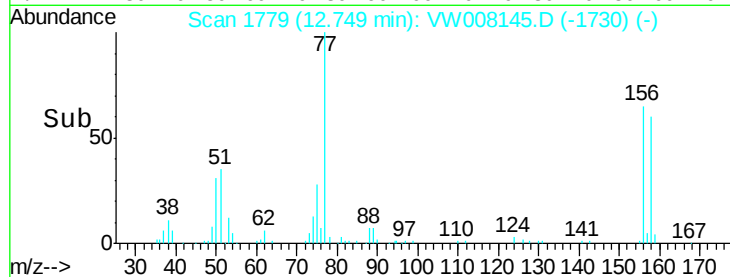
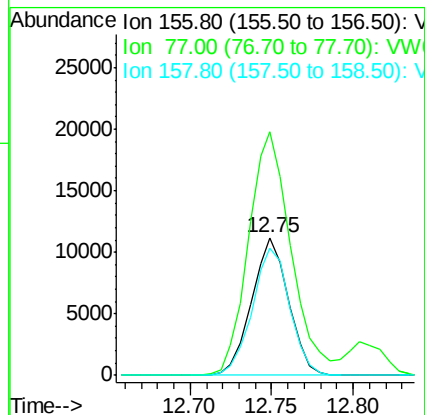
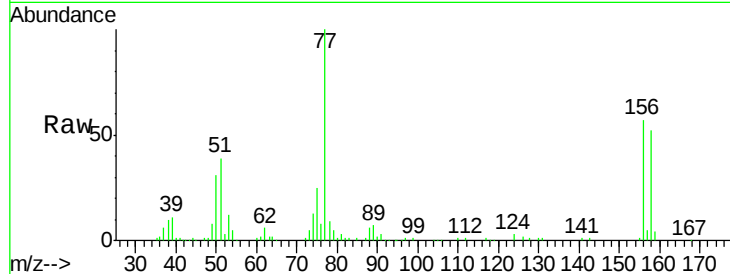
ClientSampleId :

VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.3	104.2	312.5
158	94.1	47.9	143.6

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#78

n-propylbenzene

Concen: 18.868 ug/l

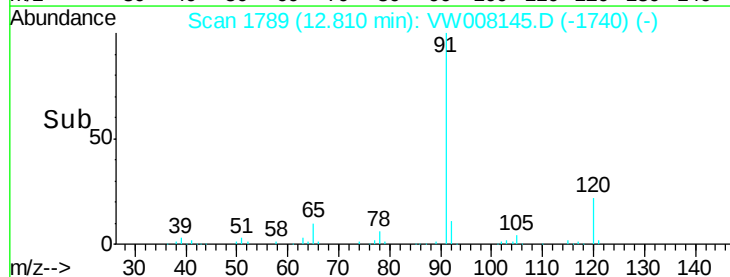
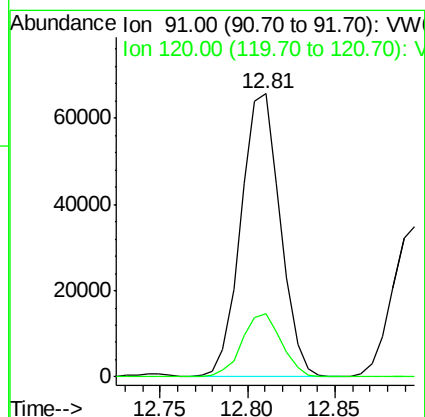
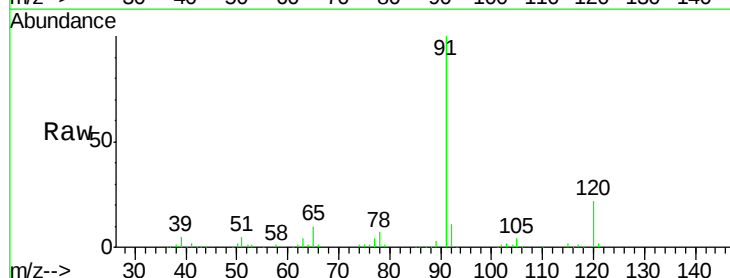
RT: 12.81 min Scan# 1789

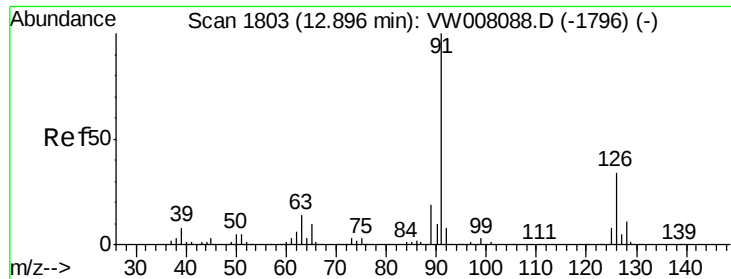
Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





#79

2-Chlorotoluene

Concen: 18.887 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 91 Resp: 57219

Ion Ratio Lower Upper

91 100

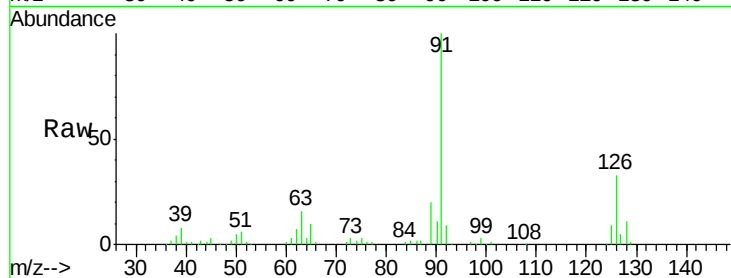
126 32.7 16.8 50.3

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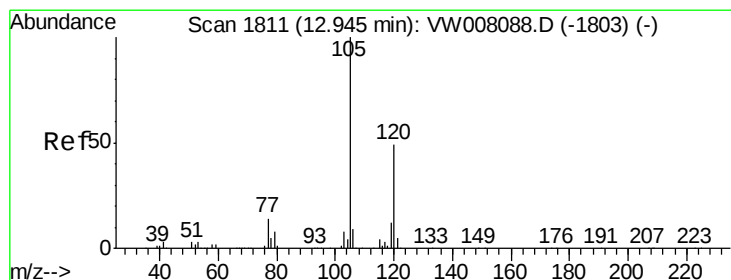
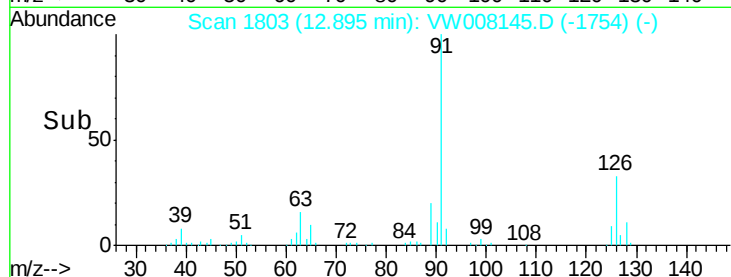
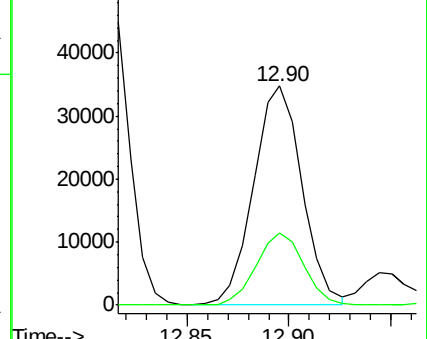
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.216 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008145.D

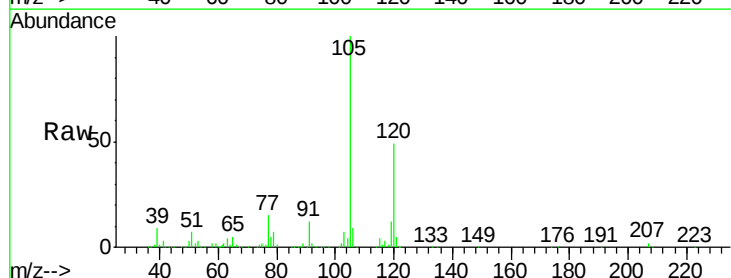
Acq: 10 Jan 2019 13:41

Tgt Ion:105 Resp: 69983

Ion Ratio Lower Upper

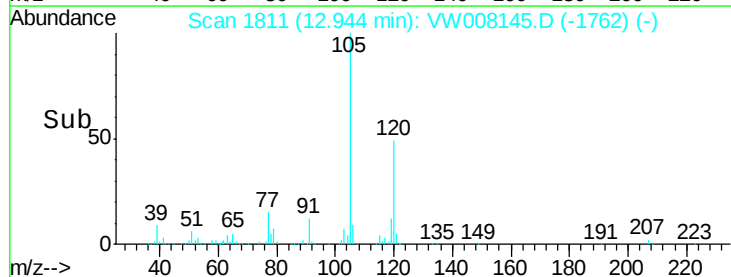
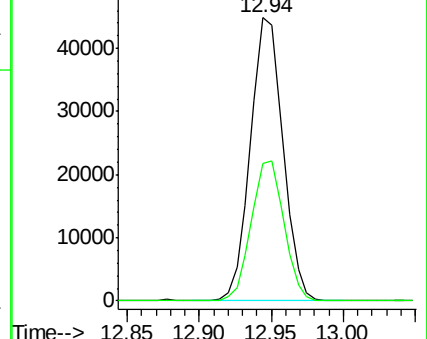
105 100

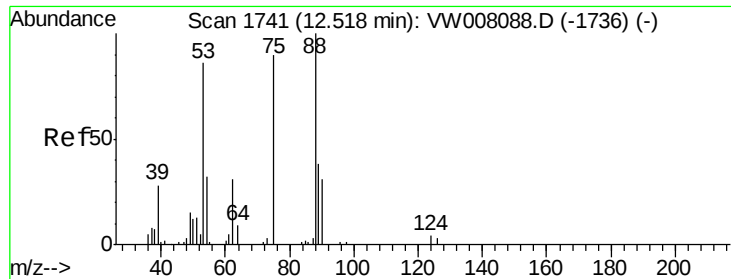
120 49.7 24.7 74.1



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: 18.440 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

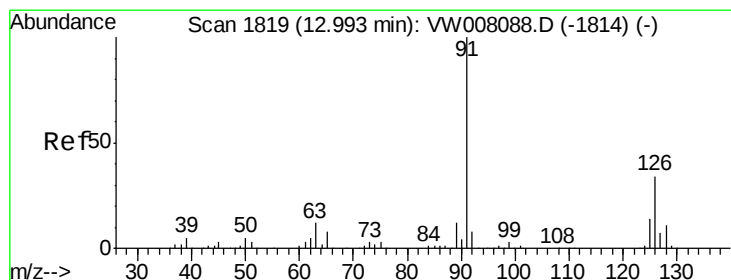
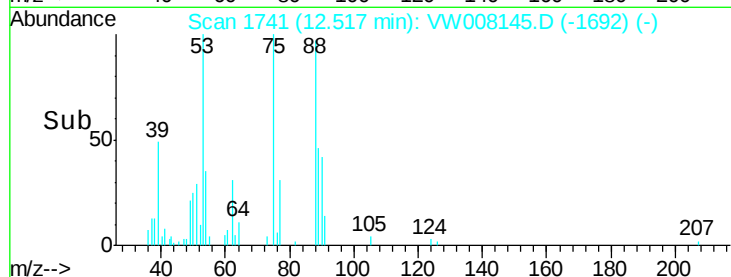
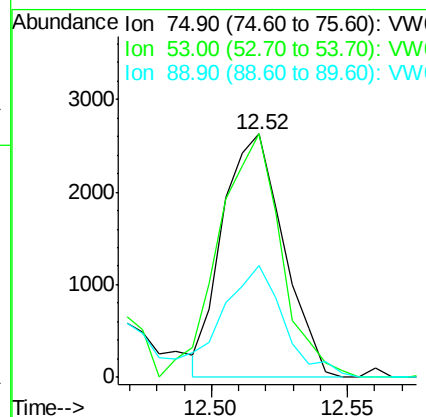
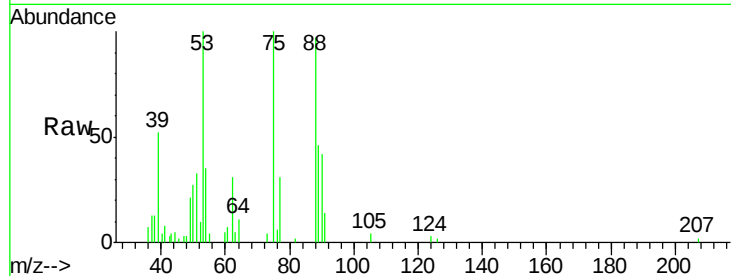
ClientSampleId :

VW0110SBSD01

Tot Ion:	75	Resp:	4075
Ion	Ratio	Lower	Upper
75	100		
53	102.4	78.8	118.2
89	46.9	35.4	53.2

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#82

4-Chlorotoluene

Concen: 18.979 ug/l

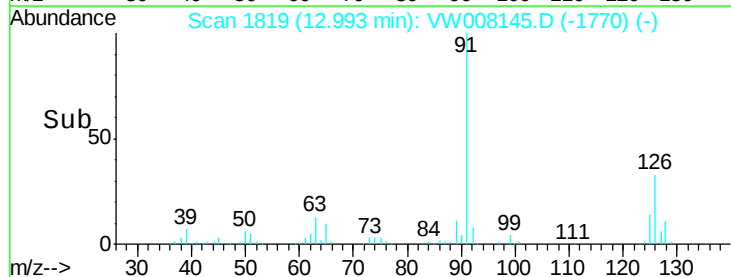
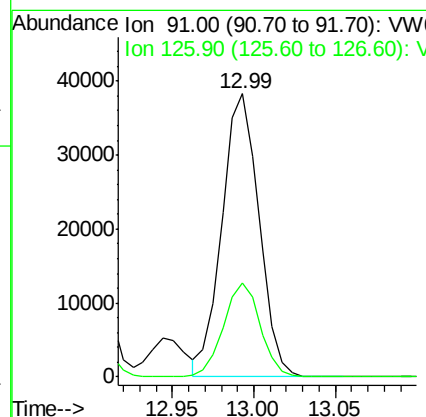
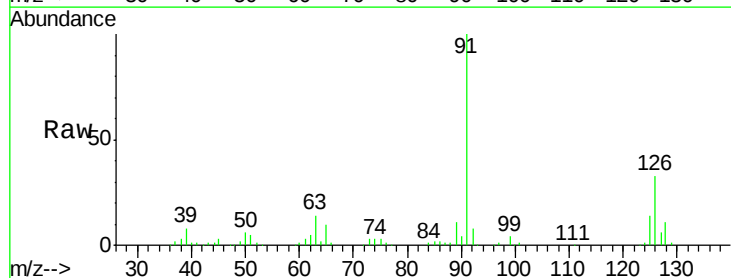
RT: 12.99 min Scan# 1819

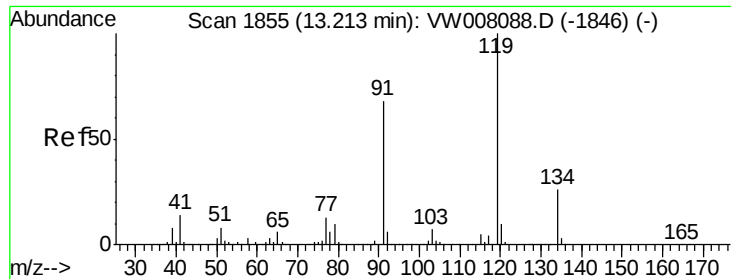
Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Tgt Ion:	91	Resp:	60557
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.5	49.5





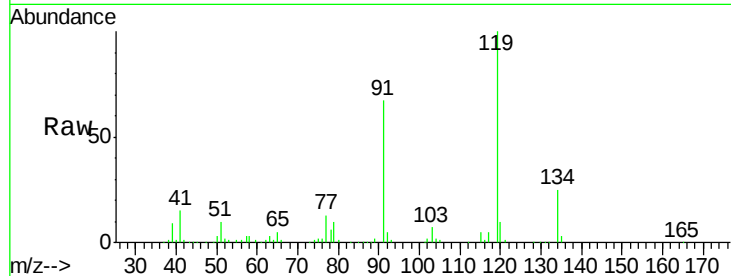
#83
tert-Butylbenzene
Concen: 18.577 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

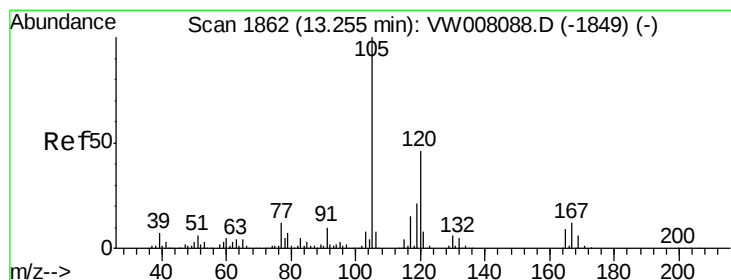
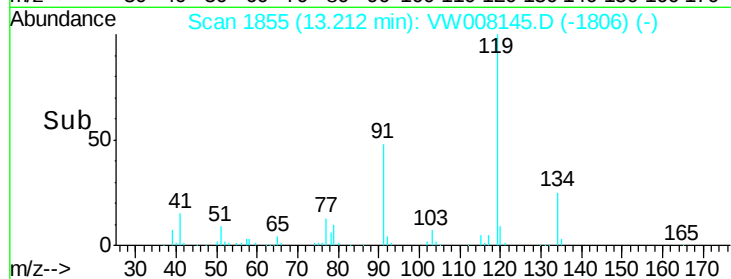
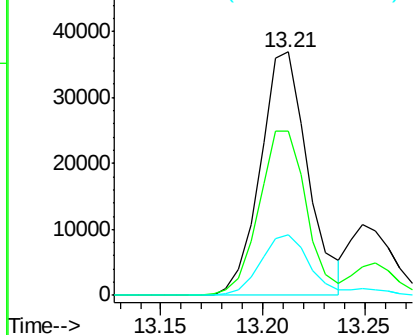
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.9	101.6
134	25.5	13.6	40.8

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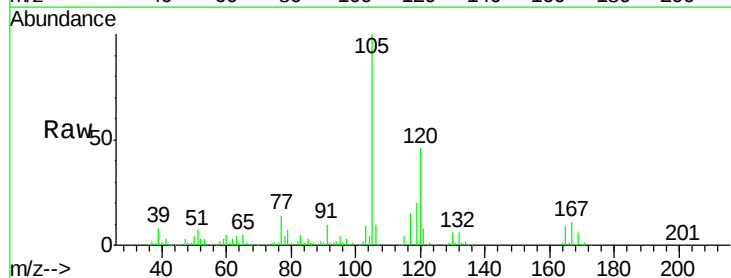


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

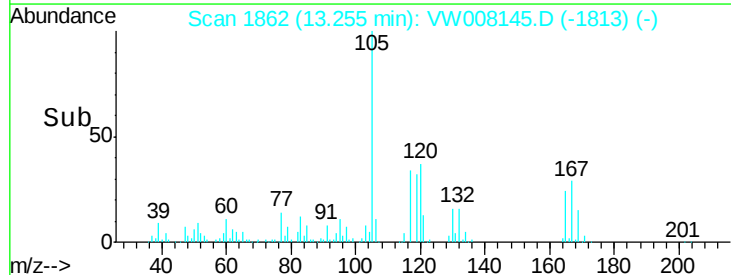
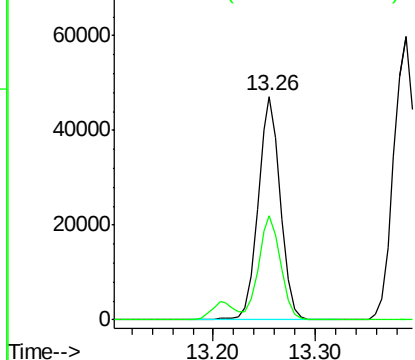


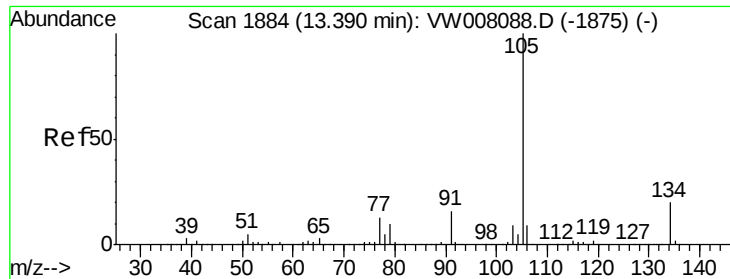
#84
1,2,4-Trimethylbenzene
Concen: 19.089 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.123 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD01

Tot Ion:105 Resp: 90256

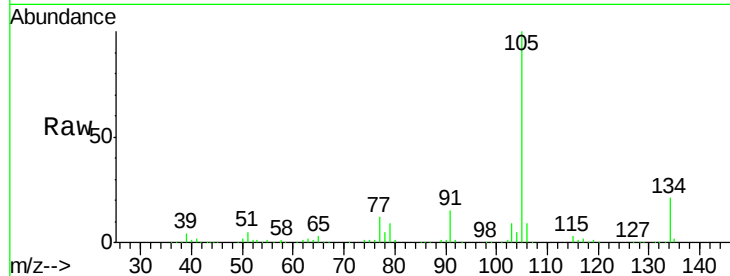
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

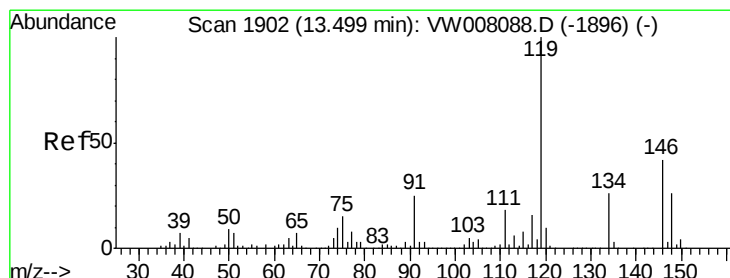
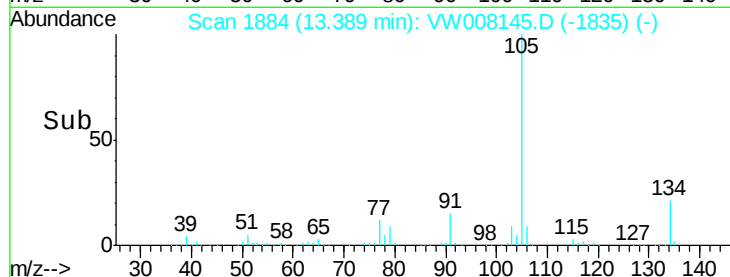
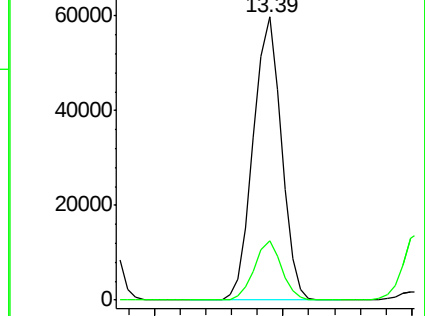
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.907 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008145.D

Acq: 10 Jan 2019 13:41

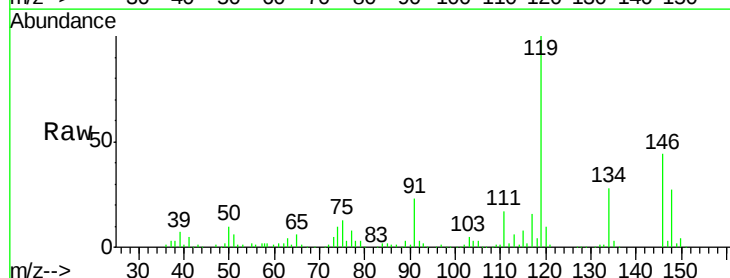
Tgt Ion:119 Resp: 77057

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

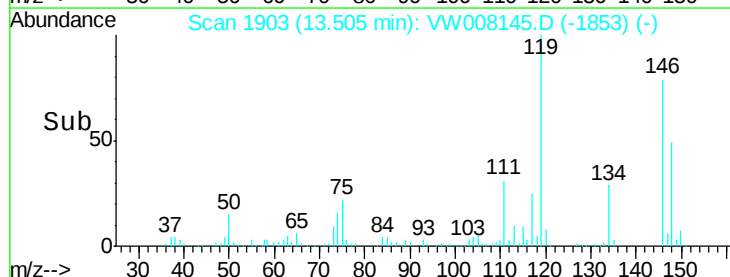
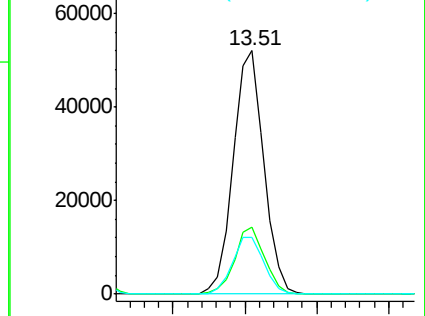
91 24.3 12.3 36.9



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





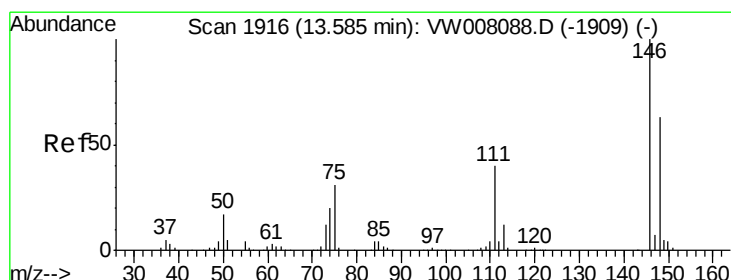
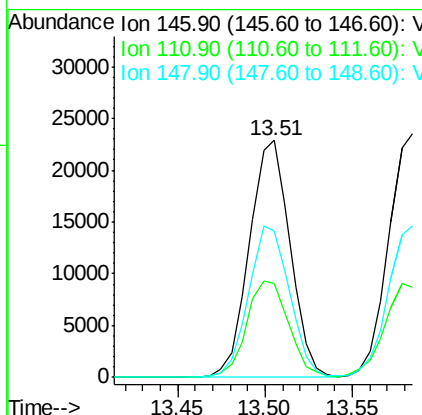
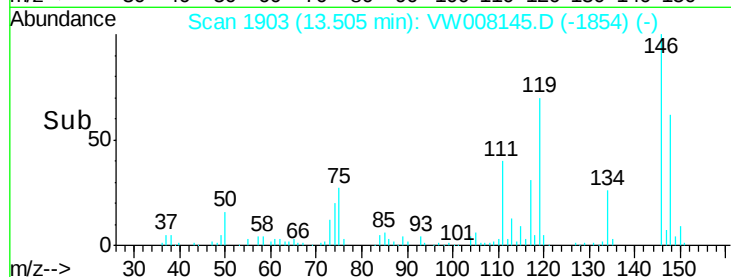
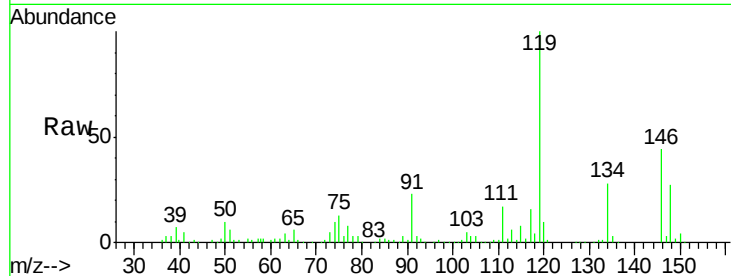
#87
 1,3-Dichlorobenzene
 Concen: 19.522 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	64.4	31.3	93.9

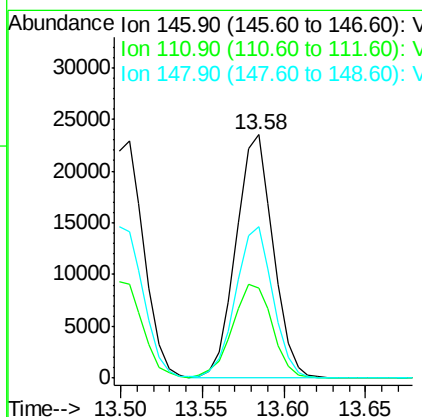
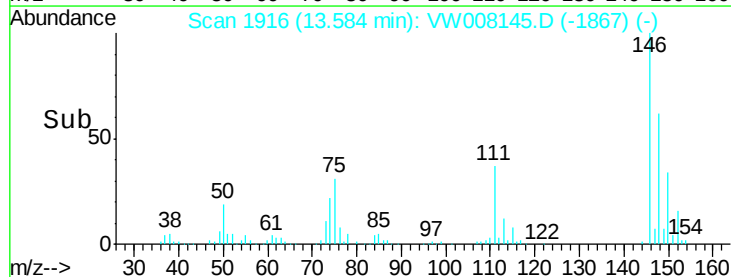
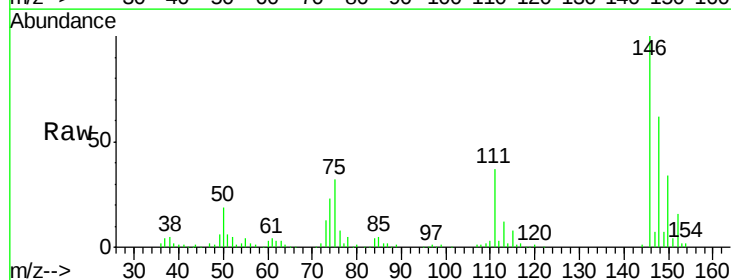
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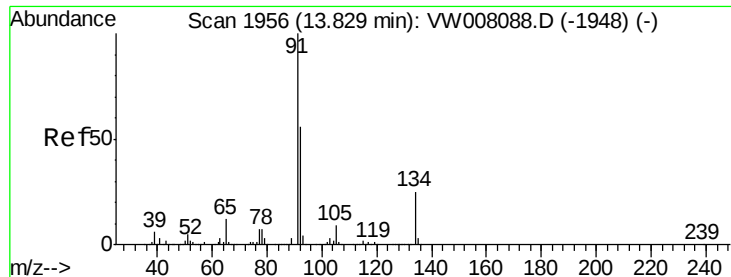
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#88
 1,4-Dichlorobenzene
 Concen: 19.595 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.5
148	62.7	31.6	94.8





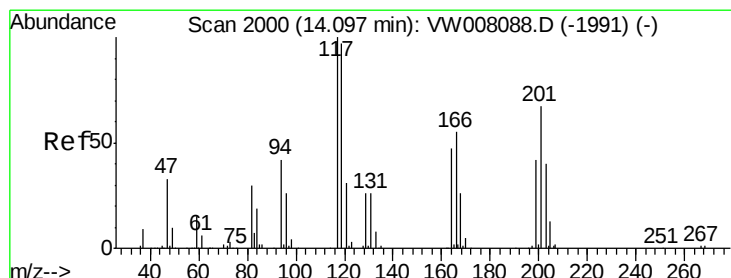
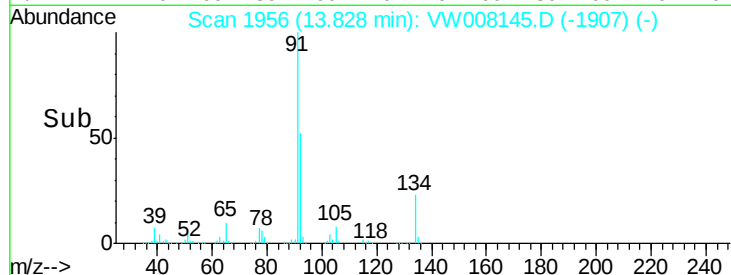
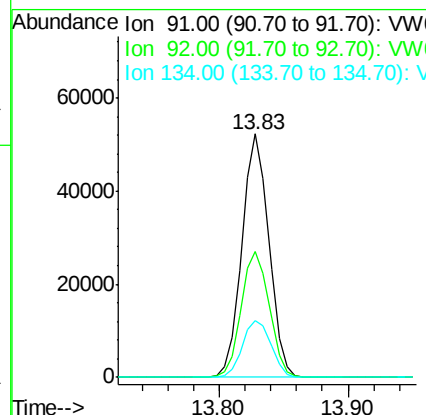
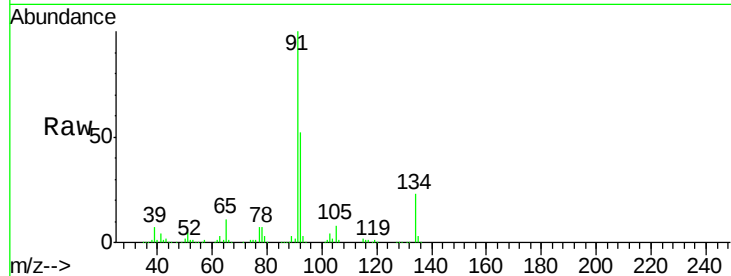
#89
n-Butylbenzene
Concen: 18.966 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampled :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.4	82.2
134	24.8	12.6	37.8

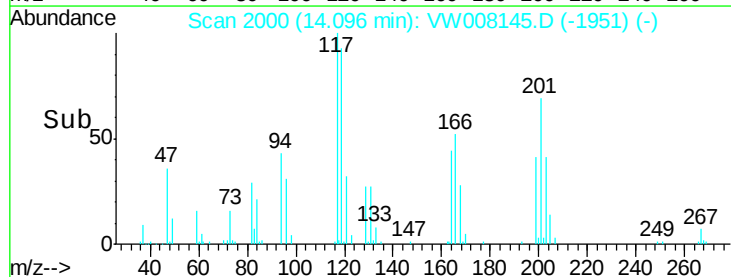
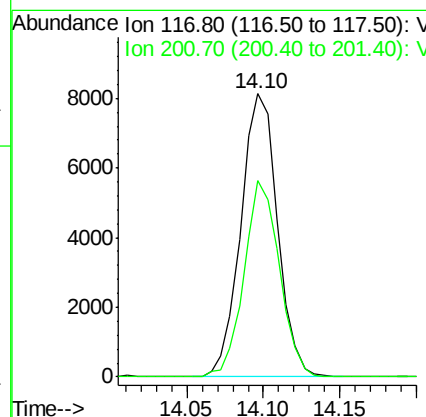
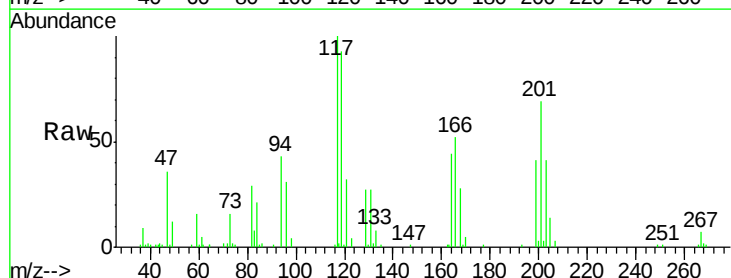
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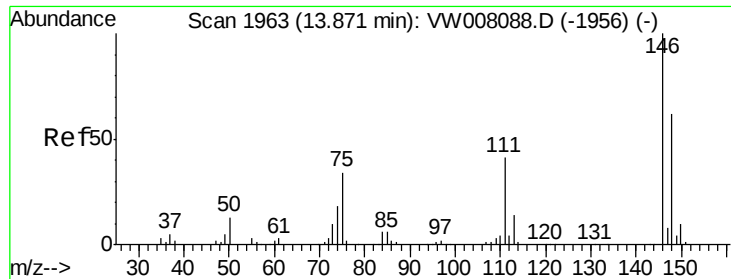
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#90
Hexachloroethane
Concen: 19.615 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	33.0	98.9





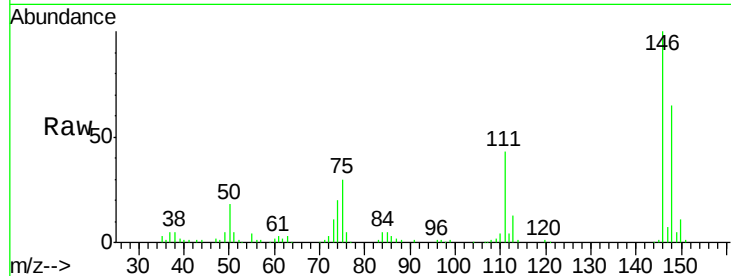
#91
 1,2-Dichlorobenzene
 Concen: 19.054 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampled :
 VW0110SBSD01

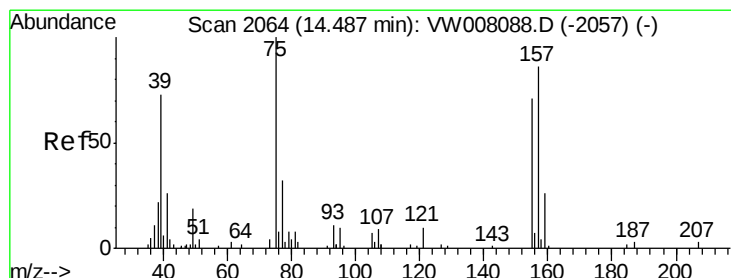
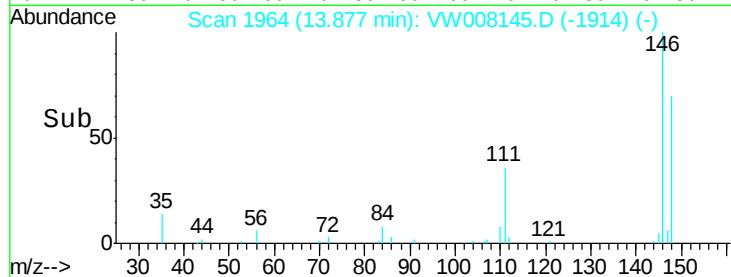
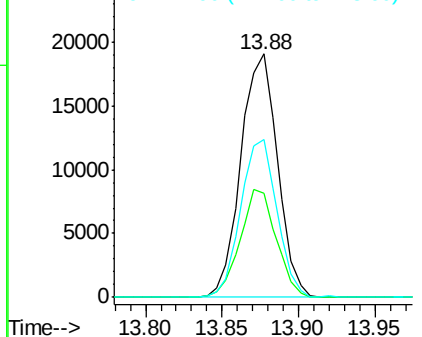
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	63.7
148	64.3	31.5	94.5

Manual Integrations
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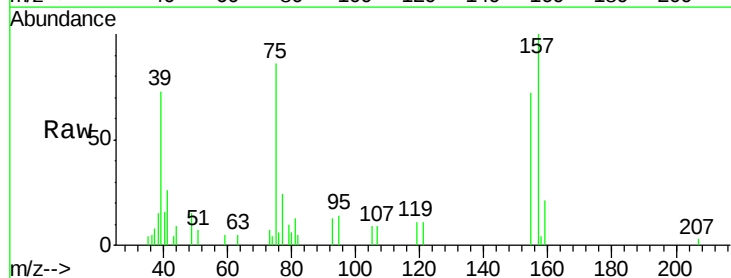


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

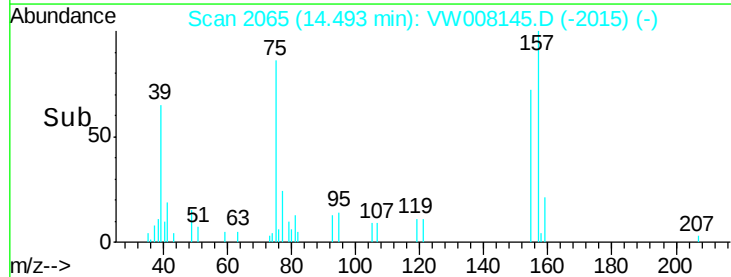
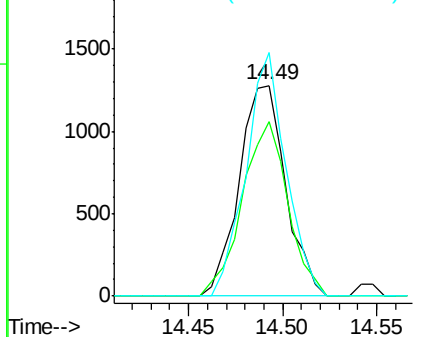


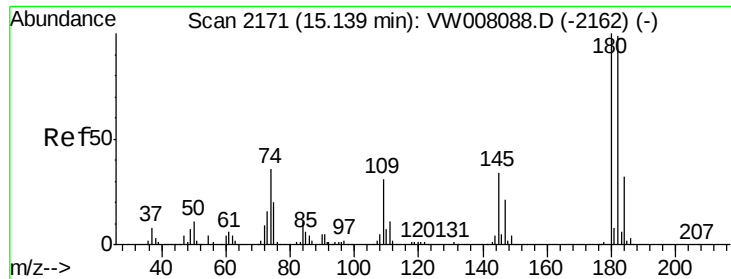
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.166 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	38.6	115.7
157	99.6	47.5	142.6



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





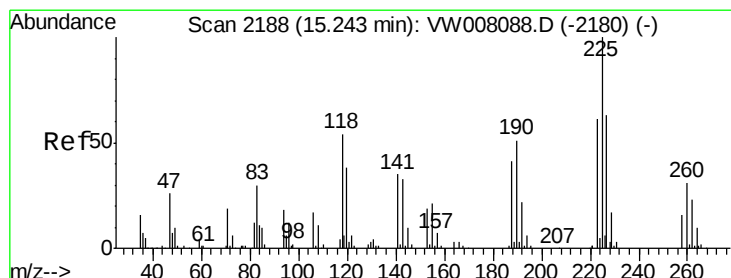
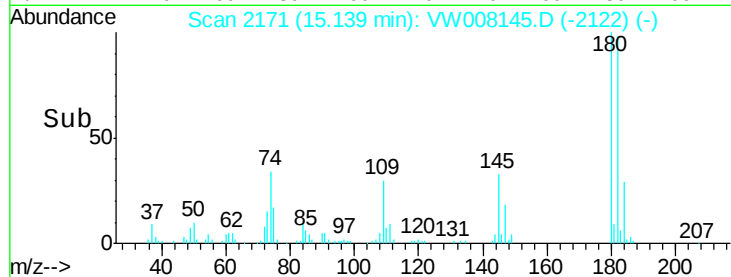
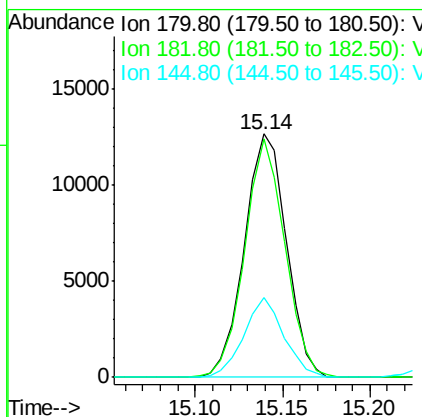
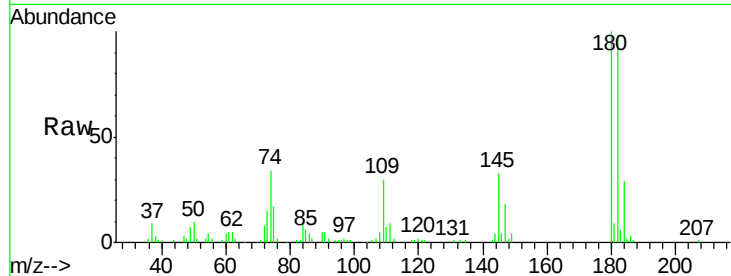
#93
 1,2,4-Trichlorobenzene
 Concen: 19.111 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.6	145.9
145	31.2	16.6	49.7

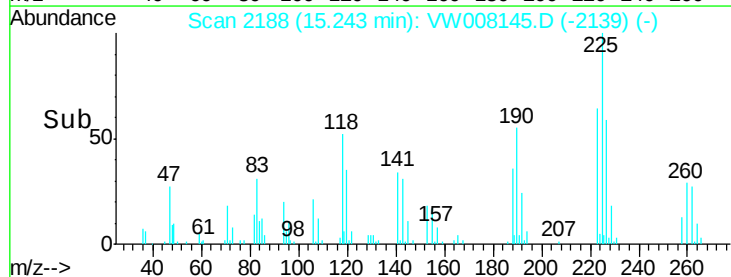
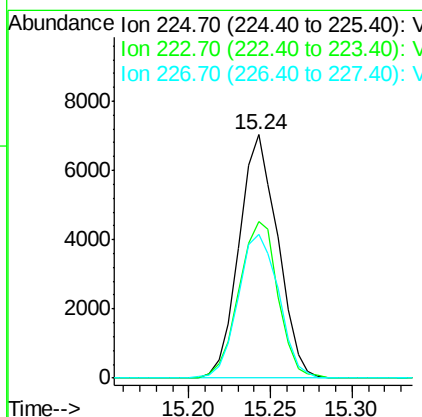
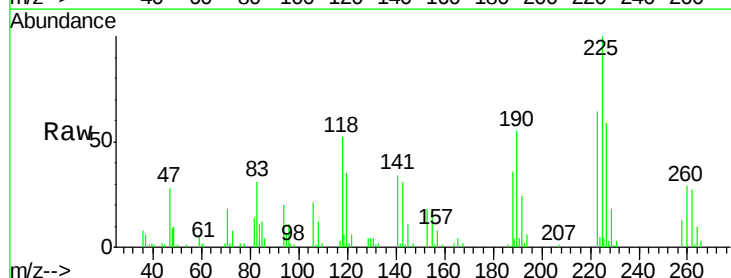
Manual Integrations
 APPROVED

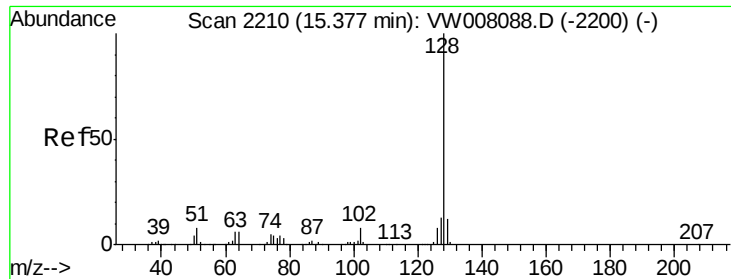
MMDadoda
 1/11/2019 2:27:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.582 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008145.D
 Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.4	94.3
227	62.1	32.0	96.2





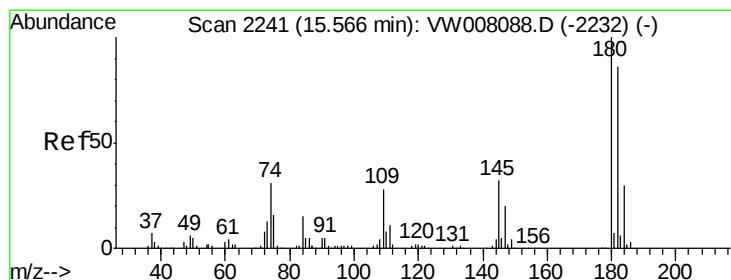
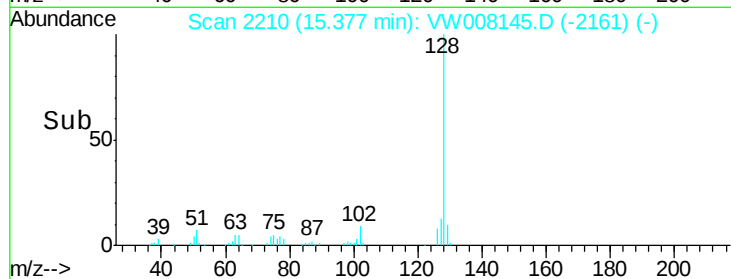
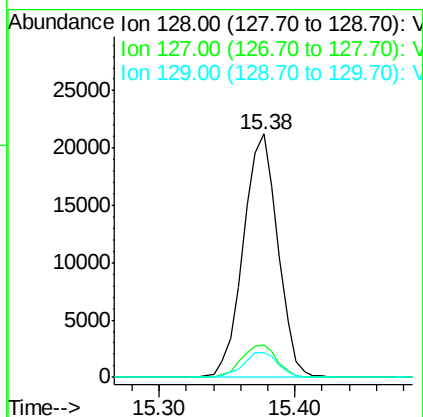
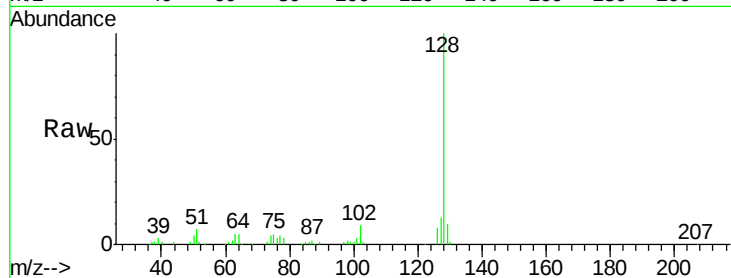
#95
Naphthalene
Concen: 18.215 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.4
129	10.4	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/11/2019 2:27:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.624 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008145.D
Acq: 10 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.5	139.3
145	34.4	17.4	52.2

