

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012295.D
 Acq On : 29 Aug 2019 11:45
 Operator : SY/VA
 Sample : VW0829SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:22 AM

Quant Time: Aug 30 07:04:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138035	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.88	113	108700	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.32	98	447875	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.62	95	158597	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24480	17.246	ug/l	97
3) Chloromethane	2.21	50	40964	18.627	ug/l	98
4) Vinyl Chloride	2.36	62	49467	18.378	ug/l	95
5) Bromomethane	2.77	94	23595	17.309	ug/l	97
6) Chloroethane	2.92	64	28739	18.927	ug/l	94
7) Trichlorofluoromethane	3.26	101	26877	19.886	ug/l	100
8) Diethyl Ether	3.68	74	26845	20.925	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45203	19.676	ug/l	98
10) Methyl Iodide	4.27	142	61128	19.665	ug/l	98
11) Tert butyl alcohol	5.19	59	20368	123.504	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	44625	19.299	ug/l	98
13) Acrolein	3.90	56	15434	99.420	ug/l	99
14) Allyl chloride	4.67	41	99400	20.108	ug/l	99
15) Acrylonitrile	5.37	53	74081	116.502	ug/l	100
16) Acetone	4.13	43	72786	103.904	ug/l	95
17) Carbon Disulfide	4.39	76	115588	16.540	ug/l	100
18) Methyl Acetate	4.67	43	41958	24.183	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	84200	22.517	ug/l	96
20) Methylene Chloride	4.92	84	52552	19.844	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	48029	19.370	ug/l	98
22) Diisopropyl ether	6.31	45	194475	21.224	ug/l	96
23) Vinyl Acetate	6.26	43	607081	107.656	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99885	20.021	ug/l	99
25) 2-Butanone	7.17	43	107004	112.409	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57940	20.518	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	54702	20.648	ug/l	100
28) Bromochloromethane	7.51	49	45110	20.745	ug/l	98
29) Tetrahydrofuran	7.54	42	68895	120.634	ug/l	99
30) Chloroform	7.68	83	93719	20.532	ug/l	100
31) Cyclohexane	7.95	56	94463	19.137	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74362	20.594	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75502	19.913	ug/l	100
37) Ethyl Acetate	7.25	43	47645	22.931	ug/l	99
38) Carbon Tetrachloride	8.07	117	64552	19.670	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82825	19.444	ug/l	100
40) Benzene	8.32	78	208785	20.166	ug/l	98
41) Methacrylonitrile	7.49	41	30046	24.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	68801	21.203	ug/l	99
43) Isopropyl Acetate	8.42	43	88463	22.985	ug/l	99
44) Trichloroethene	9.09	130	51570	20.490	ug/l	96
45) 1,2-Dichloropropane	9.37	63	57566	20.659	ug/l	93
46) Dibromomethane	9.46	93	25931	20.916	ug/l	98
47) Bromodichloromethane	9.65	83	66935	20.286	ug/l	98
48) Methyl methacrylate	9.43	41	40670	22.202	ug/l	95
49) 1,4-Dioxane	9.46	88	9111	480.047	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	229440	117.206	ug/l	99
52) Toluene	10.38	92	127343	20.474	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	70536	20.987	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	82698	20.378	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38001	21.664	ug/l	97
56) Ethyl methacrylate	10.65	69	57635	22.576	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71838	21.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	147237	112.375	ug/l	99
59) 2-Hexanone	10.97	43	162821	117.551	ug/l	99
60) Dibromochloromethane	11.13	129	40767	20.866	ug/l	99
61) 1,2-Dibromoethane	11.23	107	35790	21.901	ug/l	100
64) Tetrachloroethene	10.86	164	41223	20.245	ug/l	99
65) Chlorobenzene	11.66	112	129140	20.881	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44909	20.815	ug/l	97
67) Ethyl Benzene	11.73	91	249374	20.932	ug/l	98
68) m/p-Xylenes	11.84	106	179478	41.824	ug/l	99
69) o-Xylene	12.16	106	83678	21.068	ug/l	100
70) Styrene	12.18	104	143934	20.937	ug/l	99
71) Bromoform	12.35	173	23156	21.542	ug/l #	99
73) Isopropylbenzene	12.46	105	237529	21.077	ug/l	99
74) N-amyl acetate	12.27	43	80097	23.525	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46598	22.554	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33679m	22.993	ug/l	
77) Bromobenzene	12.75	156	51933	21.301	ug/l	98
78) n-propylbenzene	12.80	91	287884	20.925	ug/l	99
79) 2-Chlorotoluene	12.89	91	164270	21.031	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	198302	21.058	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14963	22.397	ug/l	97
82) 4-Chlorotoluene	12.99	91	170547	20.853	ug/l	99
83) tert-Butylbenzene	13.21	119	171354	21.482	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199598	21.101	ug/l	100
85) sec-Butylbenzene	13.38	105	243980	21.349	ug/l	99
86) p-Isopropyltoluene	13.50	119	217929	21.353	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	100136	20.999	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	100381	21.200	ug/l	98
89) n-Butylbenzene	13.82	91	214992	21.183	ug/l	100
90) Hexachloroethane	14.09	117	36732	20.514	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91394	21.847	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8203	23.552	ug/l	98

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Instrument :
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ClientSampleId :
VW0829SBSD01

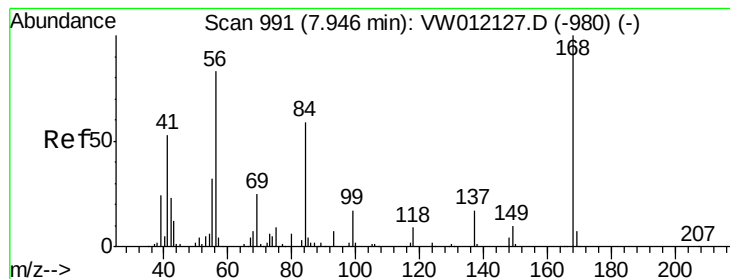
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63585	21.994	ug/l	99
94) Hexachlorobutadiene	15.24	225	41191	21.578	ug/l	99
95) Naphthalene	15.37	128	124990	24.450	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57332	22.730	ug/l	99

(#) = 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: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD01

Tot Ion:168 Resp: 230529

Ion Ratio Lower Upper

168 100

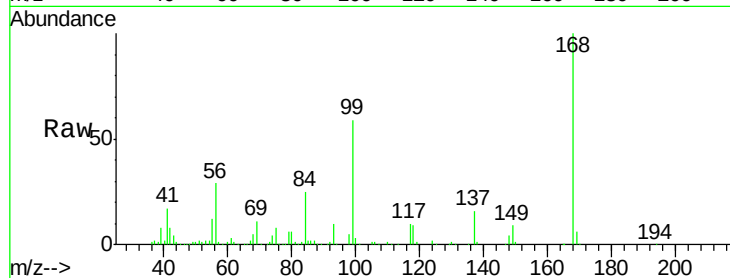
99 58.8 49.2 73.8

Manual Integrations

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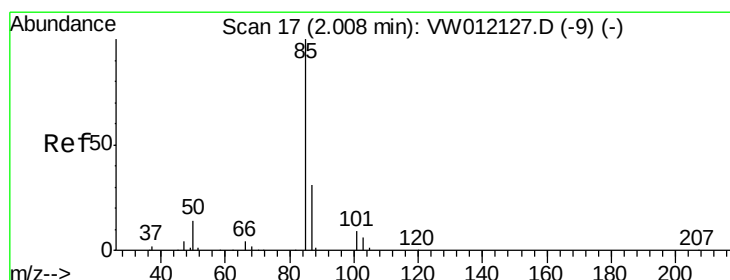
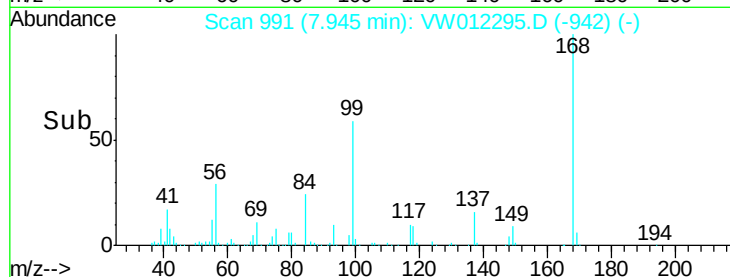
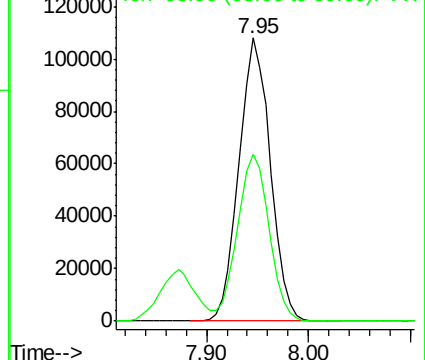
MMDadoda

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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: 17.246 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012295.D

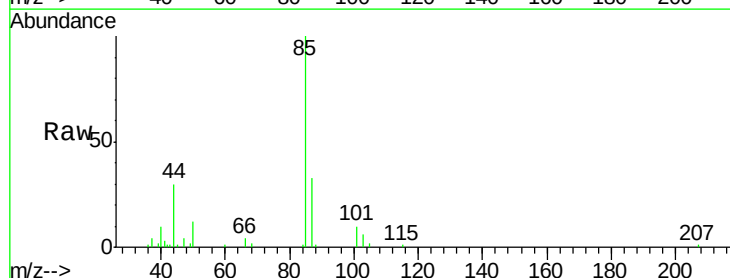
Acq: 29 Aug 2019 11:45

Tgt Ion: 85 Resp: 24480

Ion Ratio Lower Upper

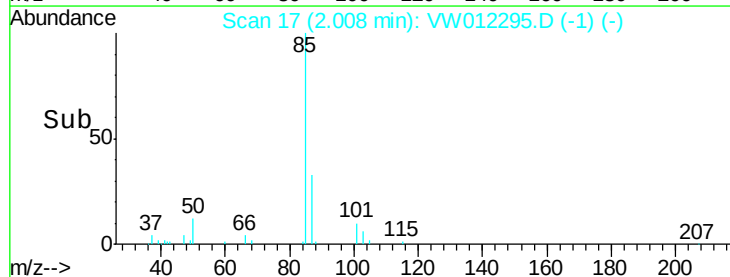
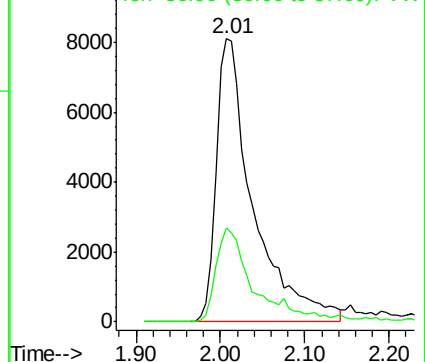
85 100

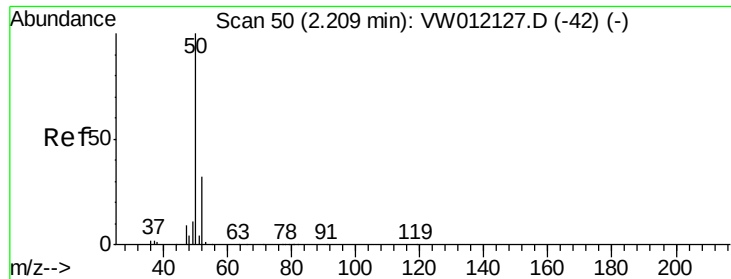
87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.627 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD01

Tot Ion: 50 Resp: 40964

Ion Ratio Lower Upper

50 100

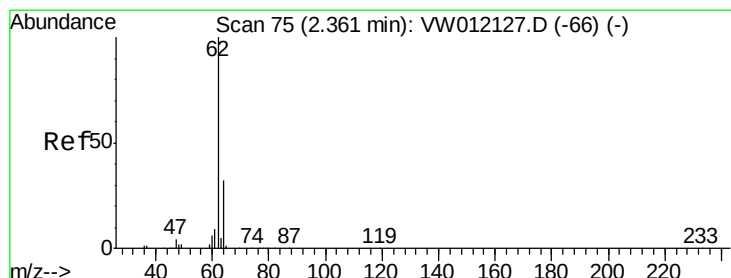
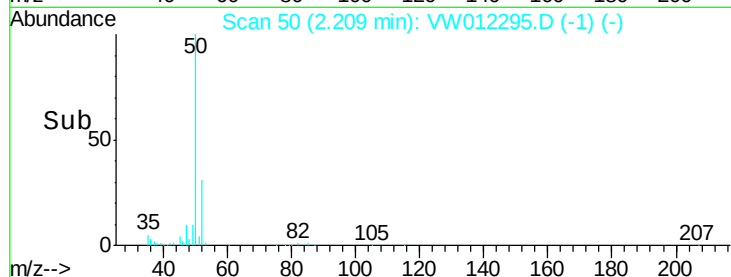
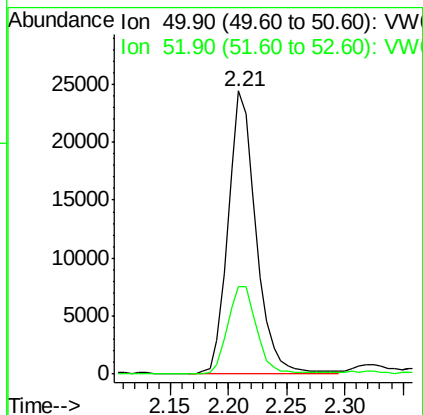
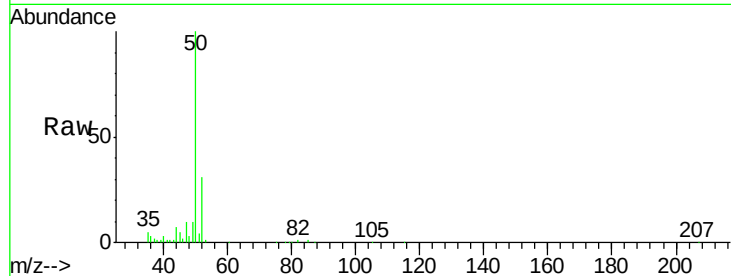
52 31.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.378 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012295.D

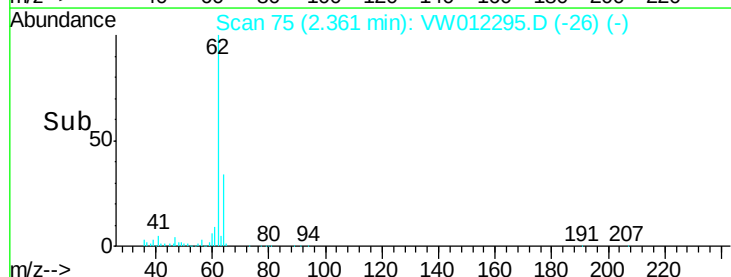
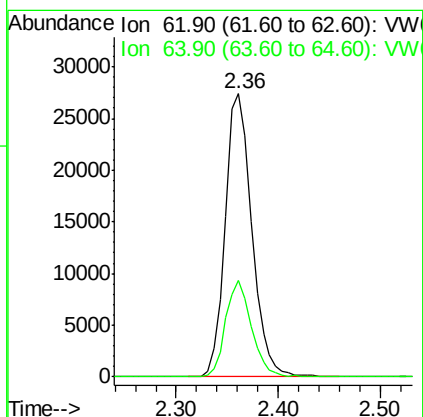
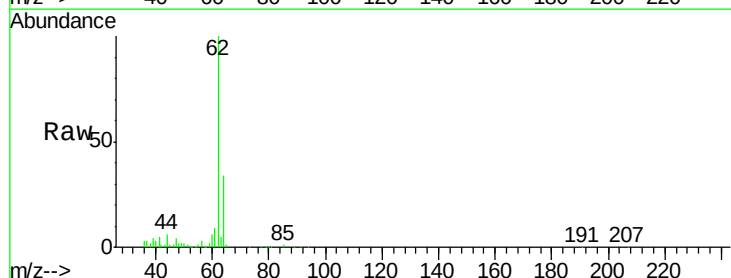
Acq: 29 Aug 2019 11:45

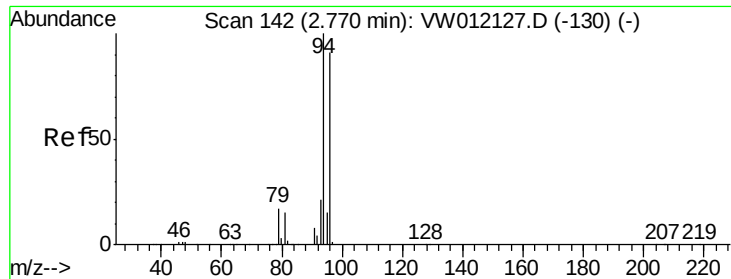
Tgt Ion: 62 Resp: 49467

Ion Ratio Lower Upper

62 100

64 34.3 25.3 37.9





#5

Bromomethane

Concen: 17.309 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD01

Tot Ion: 94 Resp: 23595

Ion Ratio Lower Upper

94 100

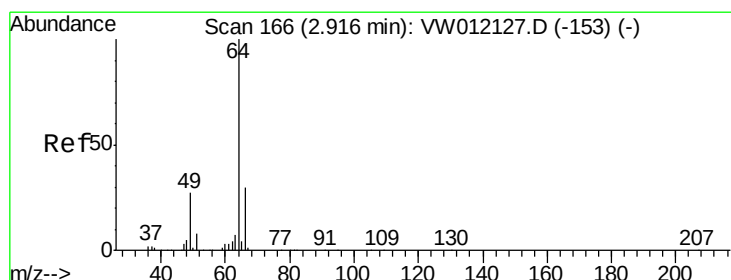
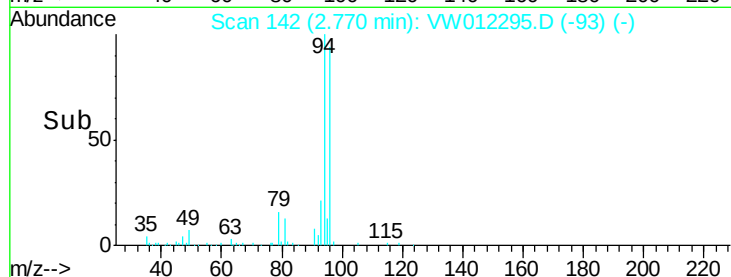
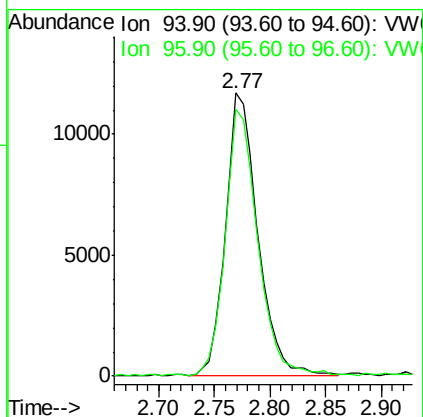
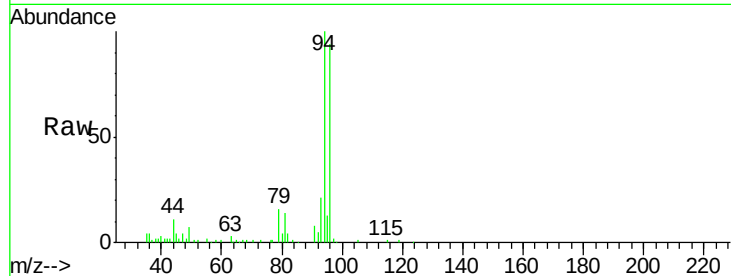
96 94.4 72.9 109.3

Manual Integrations

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8/30/2019 11:41:22 AM



#6

Chloroethane

Concen: 18.927 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012295.D

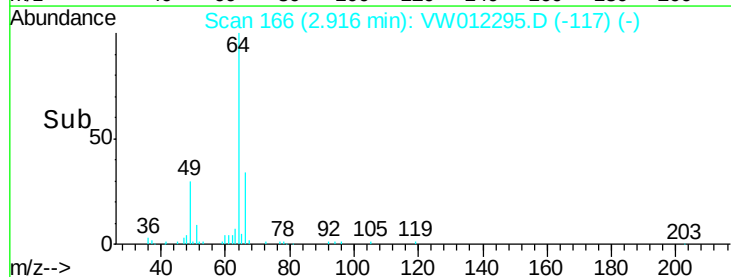
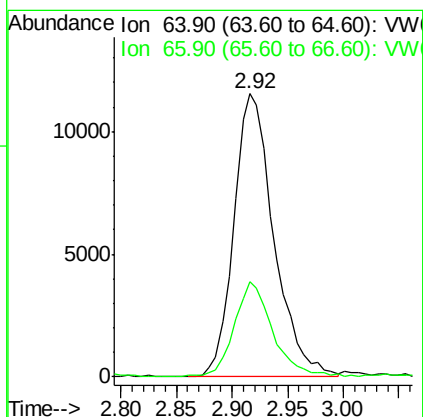
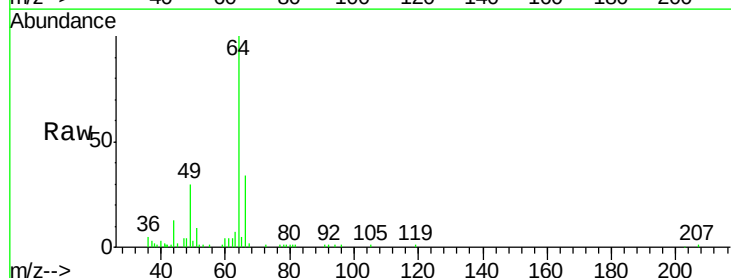
Acq: 29 Aug 2019 11:45

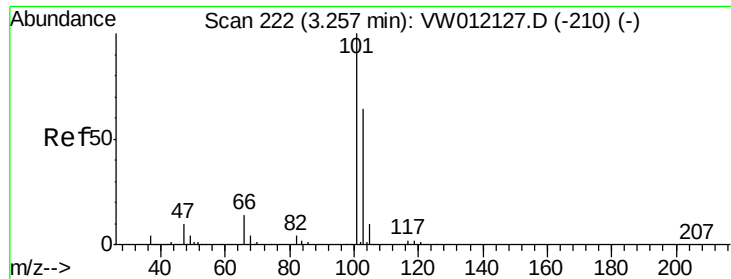
Tgt Ion: 64 Resp: 28739

Ion Ratio Lower Upper

64 100

66 33.1 23.8 35.8





#7

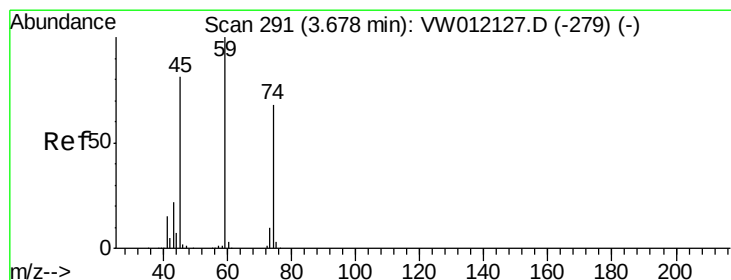
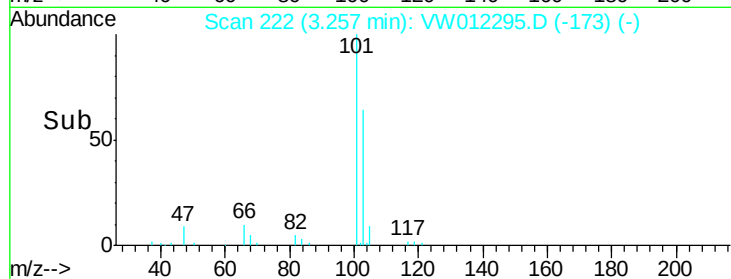
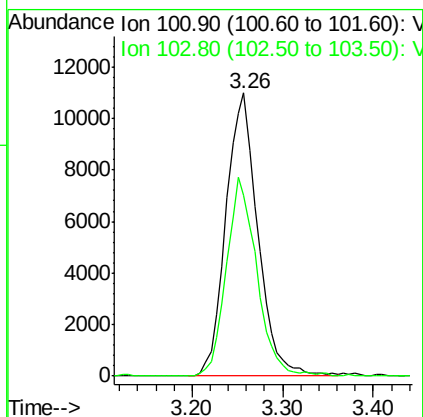
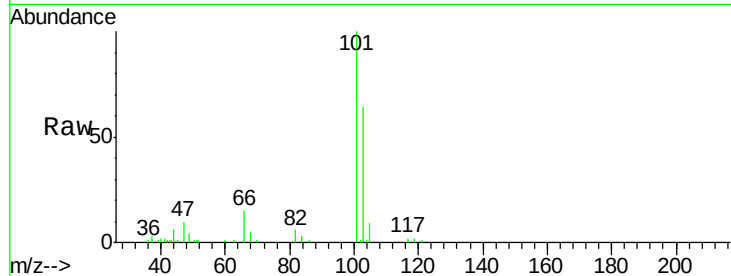
Trichlorofluoromethane
 Concen: 19.886 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.2	76.8

Manual Integrations
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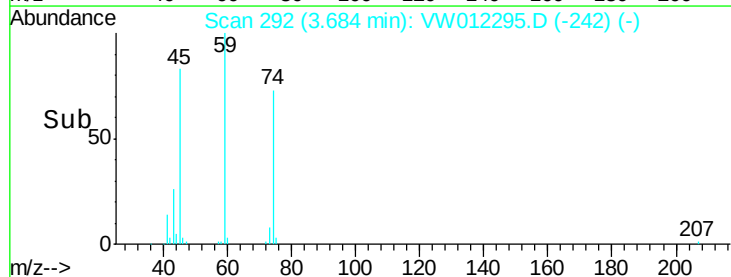
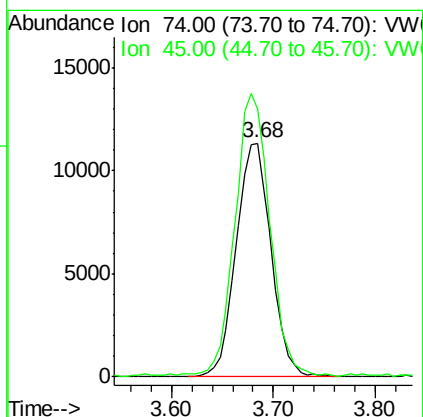
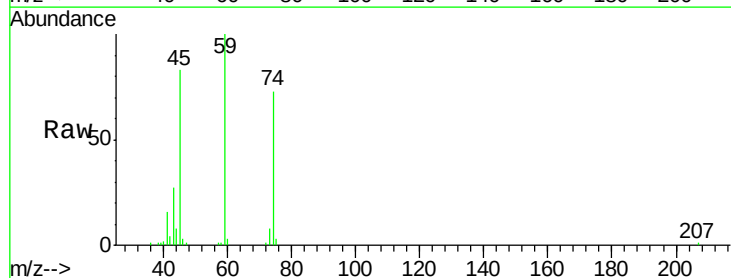
MMDadoda
 8/30/2019 11:41:22 AM

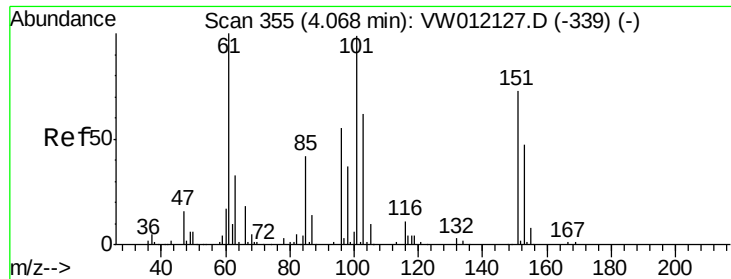


#8

Diethyl Ether
 Concen: 20.925 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.1	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.676 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

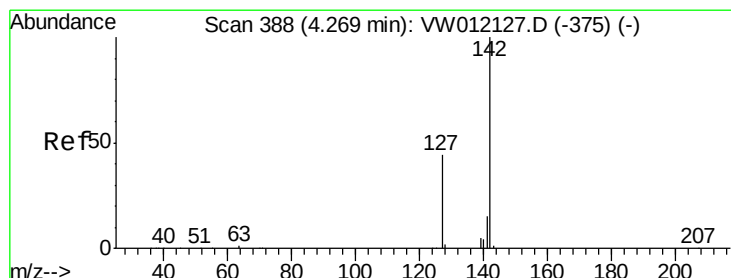
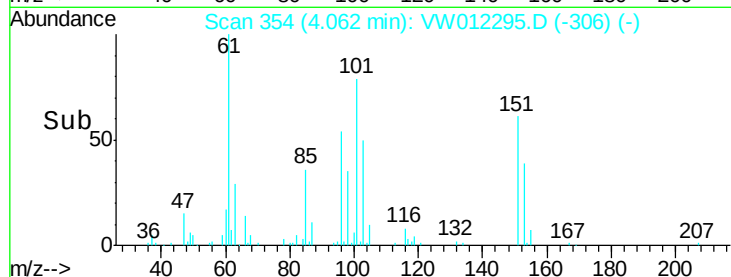
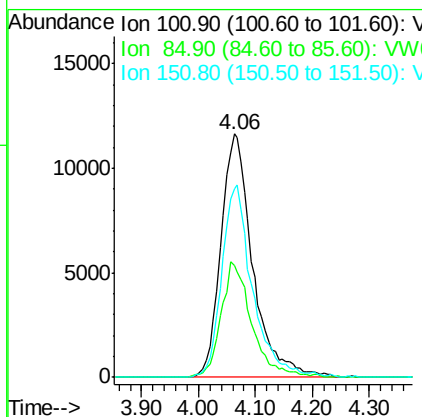
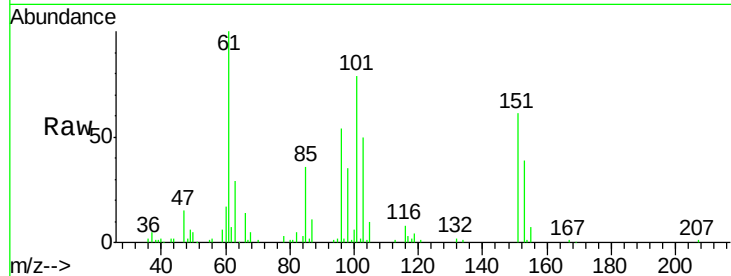
ClientSampleId :

VW0829SBSD01

Tot Ion:	101	Resp:	45203
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.8	53.6
151	75.4	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.665 ug/l

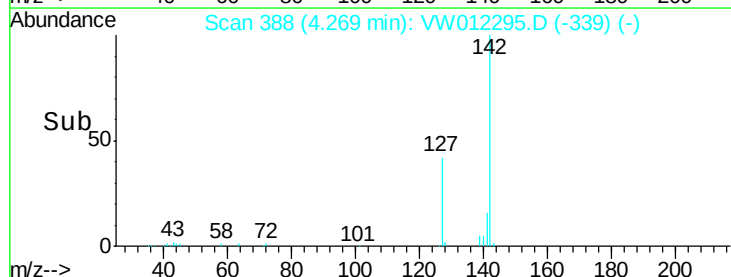
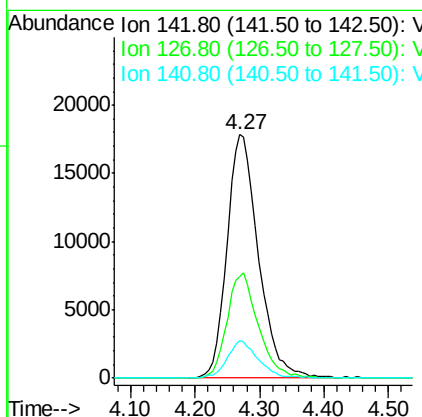
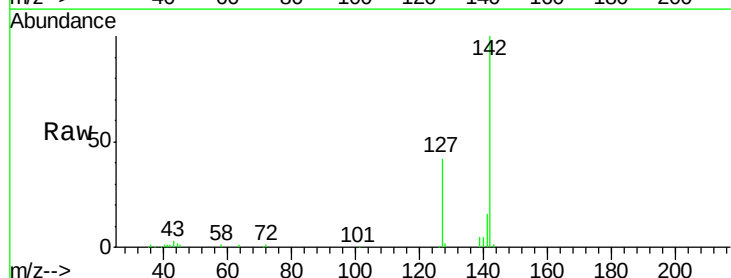
RT: 4.27 min Scan# 388

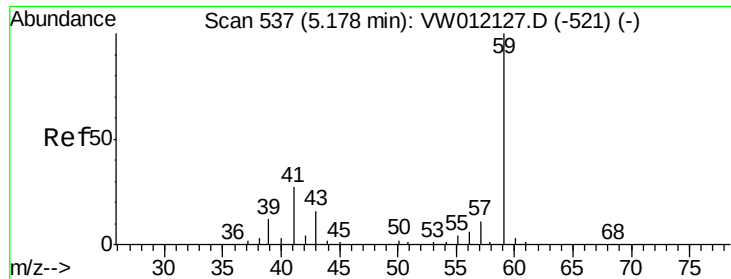
Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion:	142	Resp:	61128
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.5	53.3
141	15.1	11.8	17.8





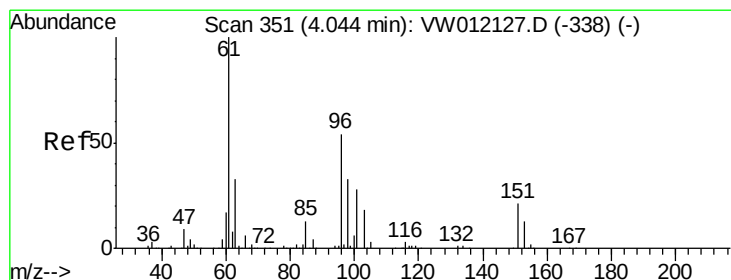
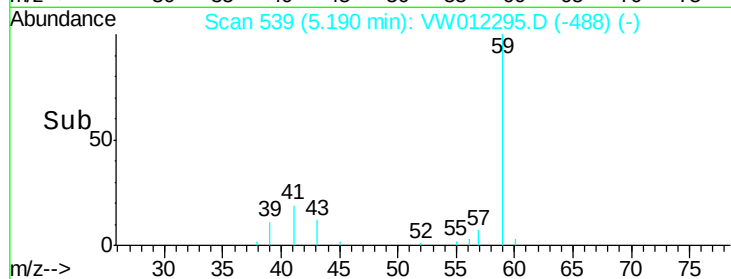
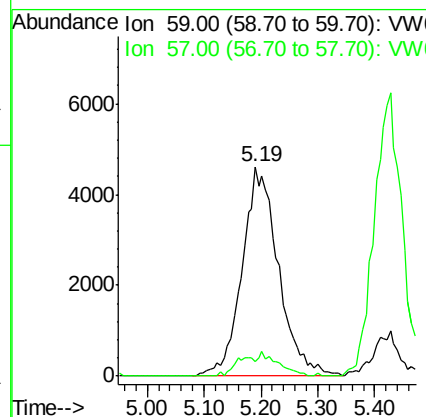
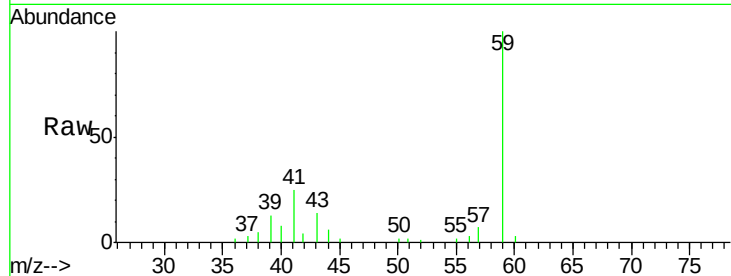
#11
Tert butyl alcohol
Concen: 123.504 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampled :
VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20368		
57	5.2	9.0	13.4#	

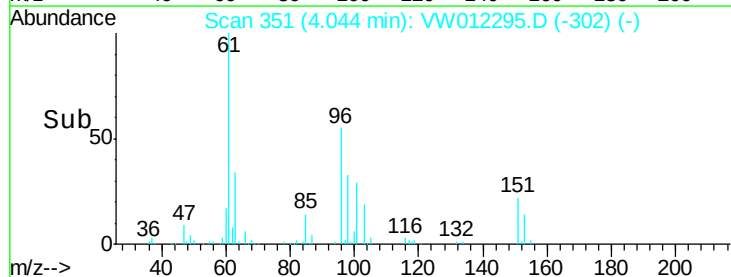
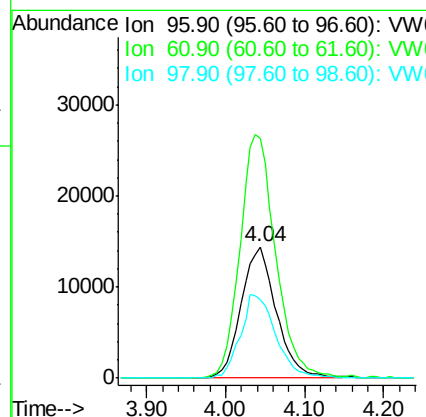
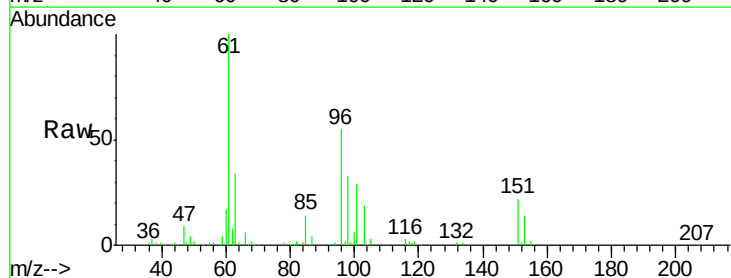
Manual Integrations
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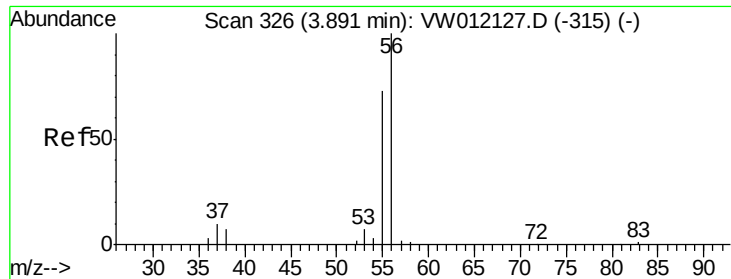
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.299 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44625		
61	182.6	149.1	223.7	
98	60.1	49.4	74.2	





#13

Acrolein

Concen: 99.420 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 56 Resp: 15434

Ion Ratio Lower Upper

56 100

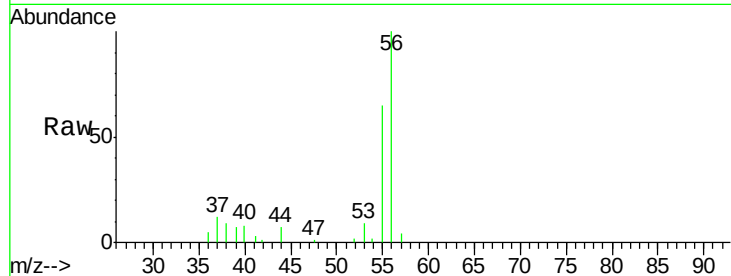
55 70.3 55.8 83.8

Manual Integrations

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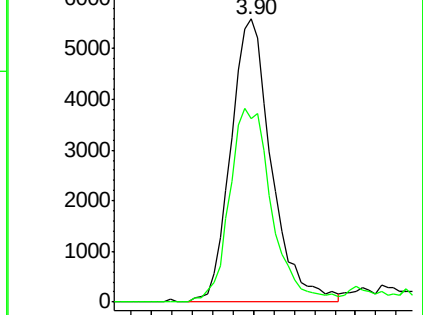
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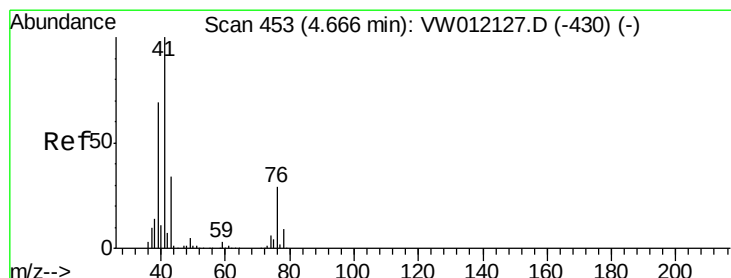
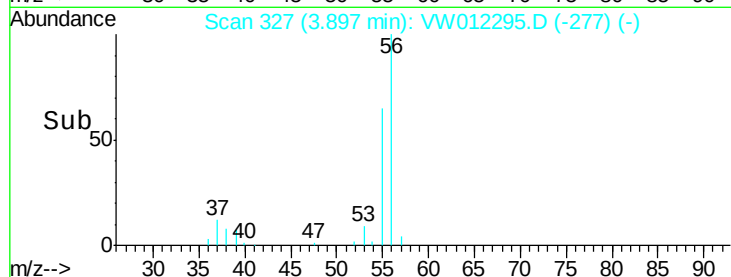


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 20.108 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

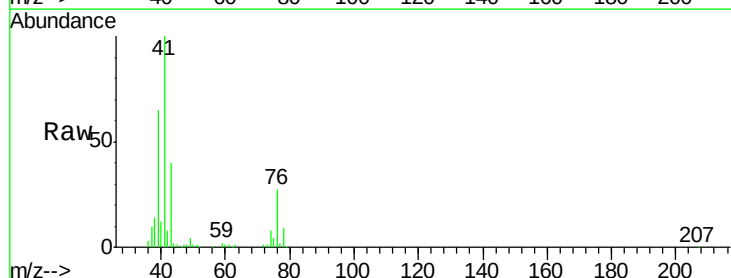
Tgt Ion: 41 Resp: 99400

Ion Ratio Lower Upper

41 100

39 65.3 53.4 80.2

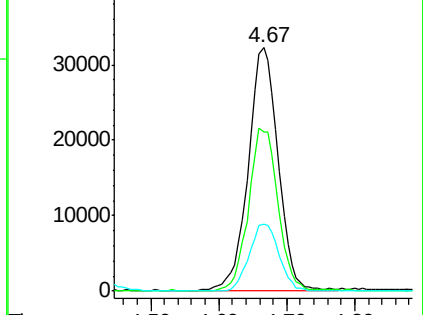
76 27.4 22.1 33.1



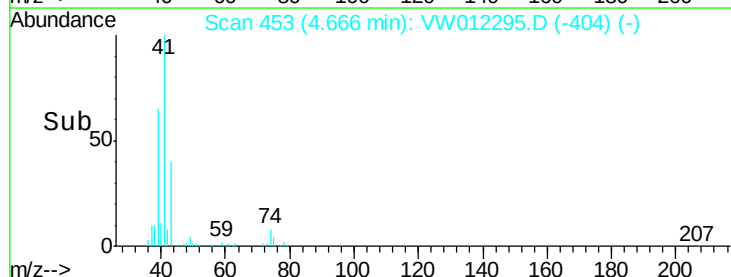
Abundance Ion 41.00 (40.70 to 41.70): VW

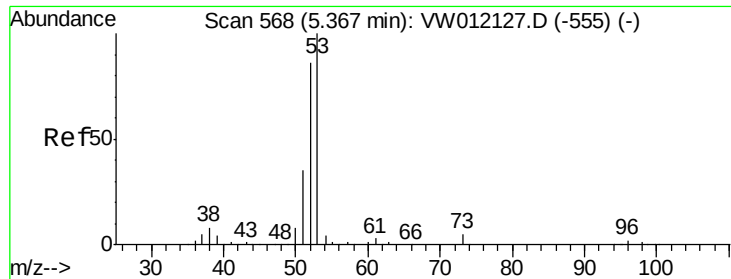
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 116.502 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

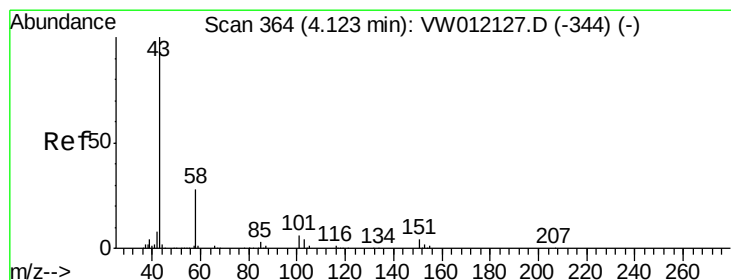
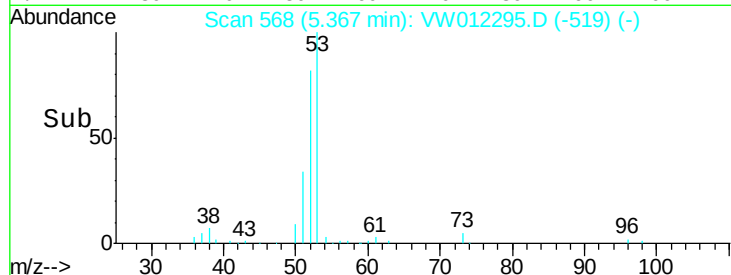
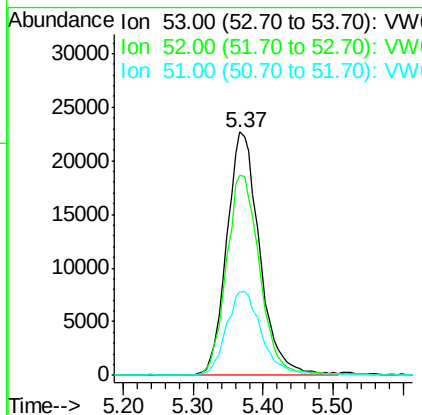
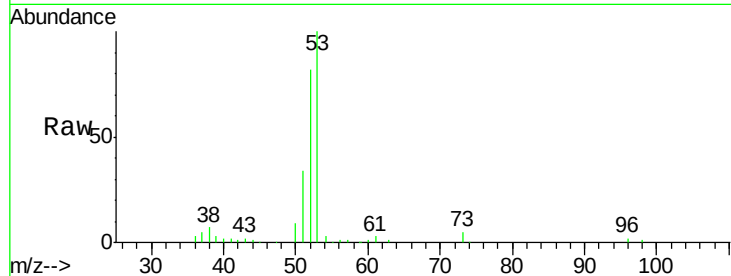
ClientSampleId :

VW0829SBS01

Tot Ion:	53	Resp:	74081
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.7	100.1
51	37.0	30.1	45.1

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#16

Acetone

Concen: 103.904 ug/l

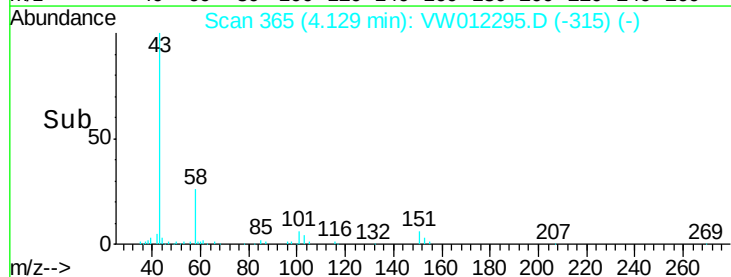
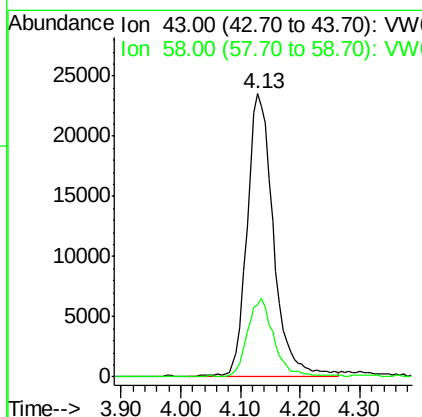
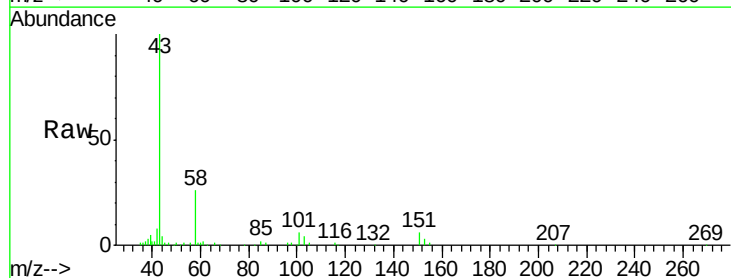
RT: 4.13 min Scan# 365

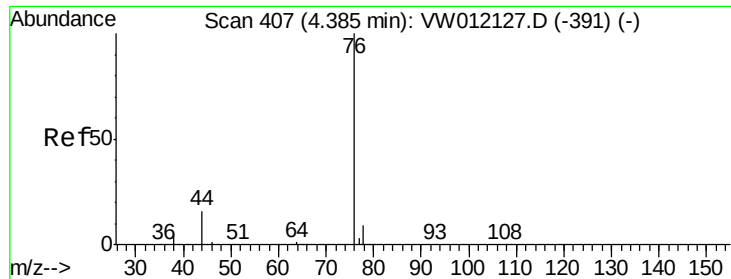
Delta R.T. 0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion:	43	Resp:	72786
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.4	33.6





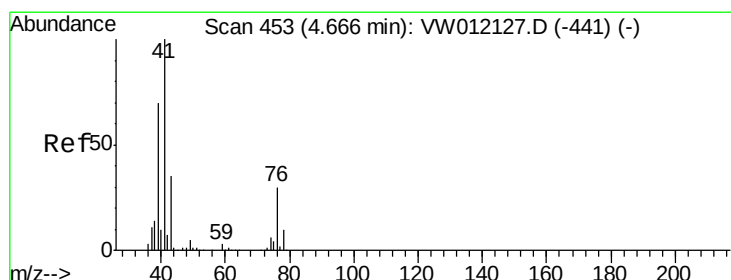
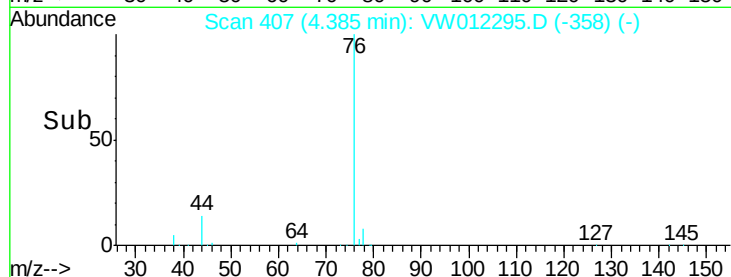
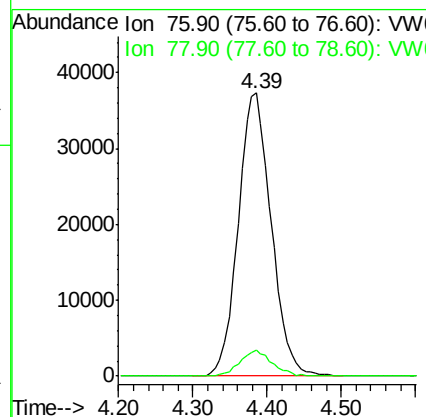
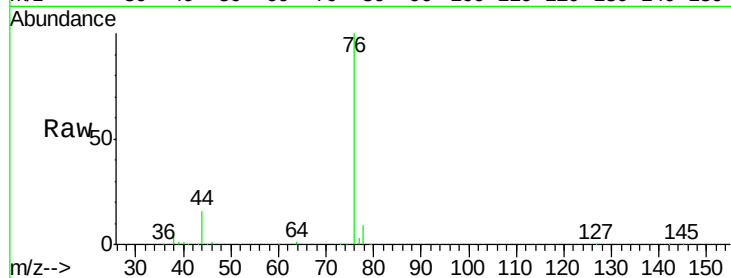
#17
Carbon Disulfide
Concen: 16.540 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	115588		
78	9.0		7.3	10.9

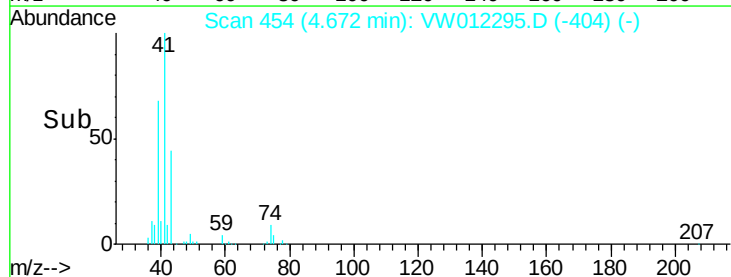
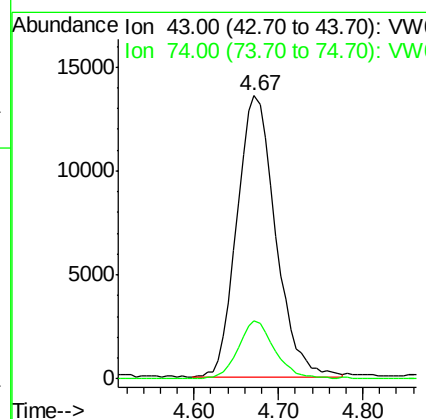
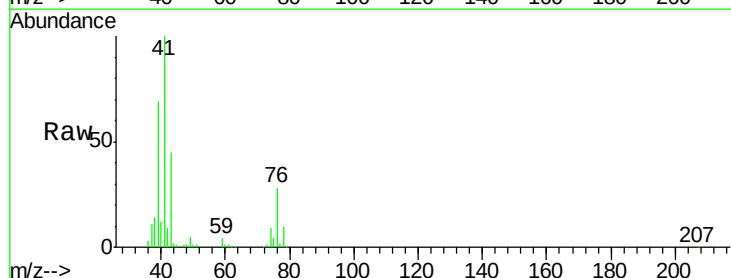
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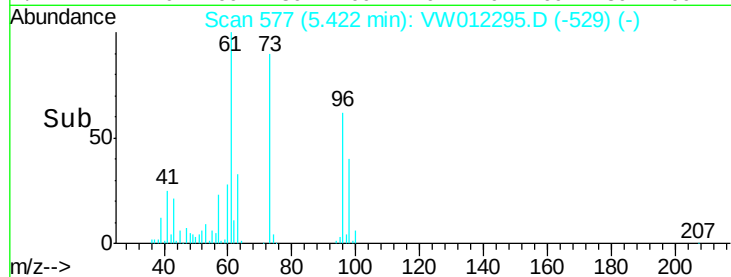
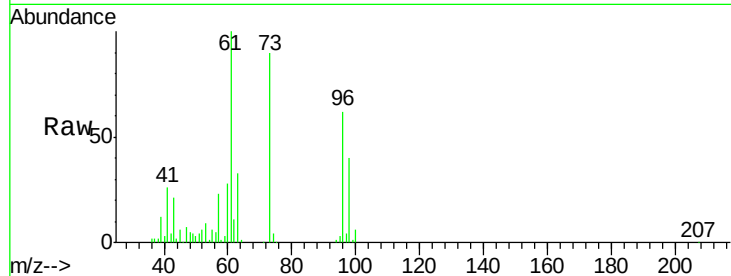
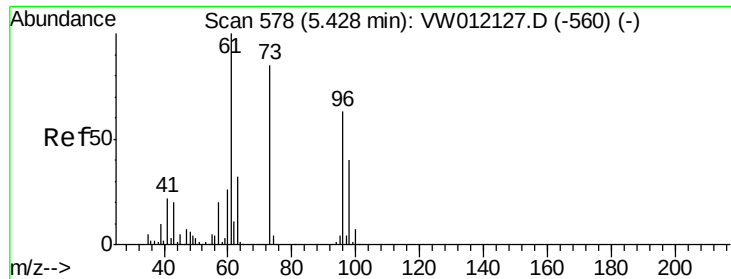
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#18
Methyl Acetate
Concen: 24.183 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41958		
74	19.5		15.7	23.5





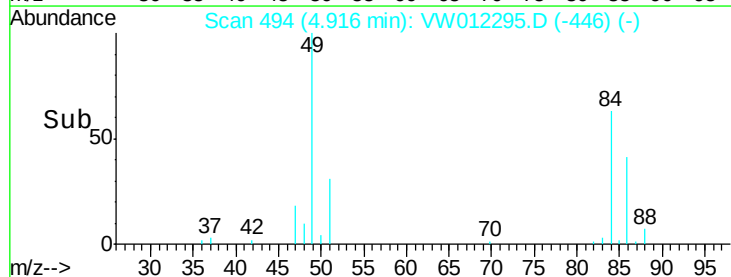
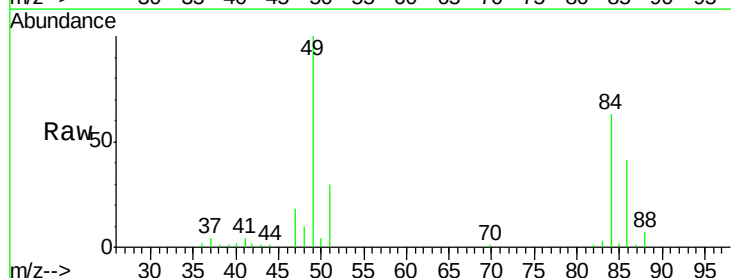
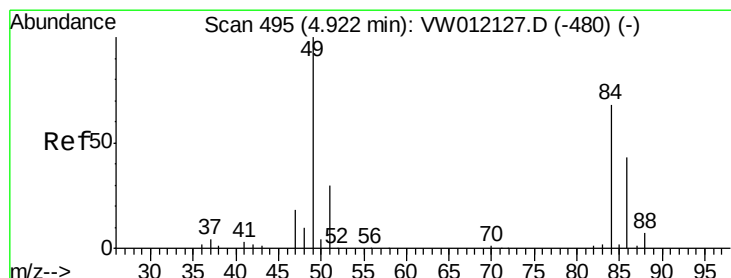
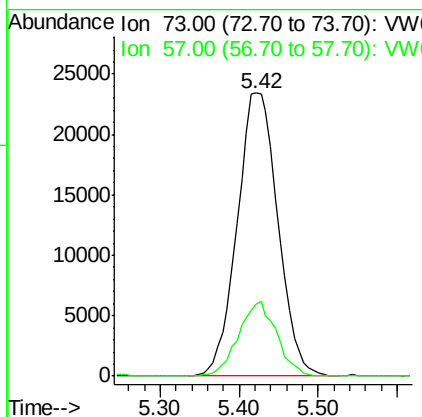
#19
Methyl tert-butyl Ether
Concen: 22.517 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tot Ion: 73 Resp: 84200
Ion Ratio Lower Upper
73 100
57 25.4 18.9 28.3

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

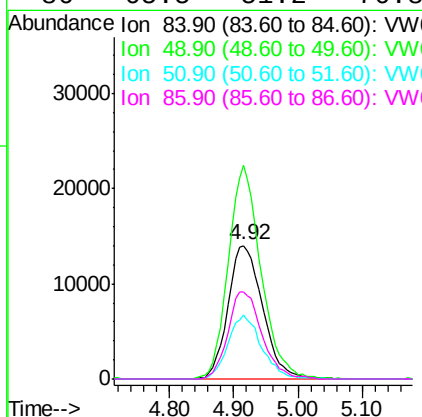
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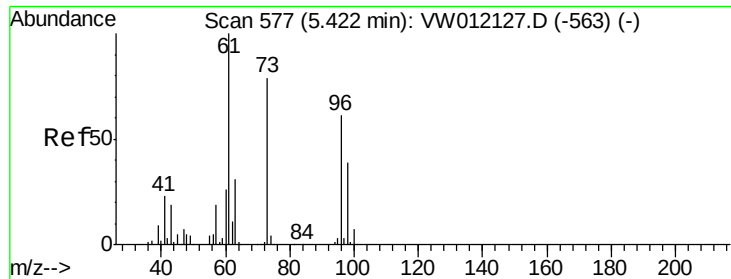
MMDadoda
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#20
Methylene Chloride
Concen: 19.844 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion: 84 Resp: 52552
Ion Ratio Lower Upper
84 100
49 160.0 117.8 176.8
51 48.3 35.6 53.4
86 65.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.370 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBSD01

Tot Ion: 96 Resp: 48029

Ion Ratio Lower Upper

96 100

61 161.3 131.4 197.0

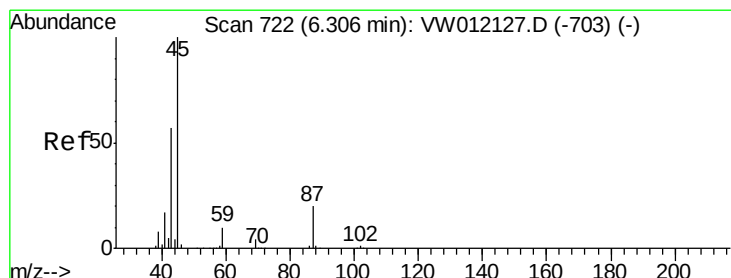
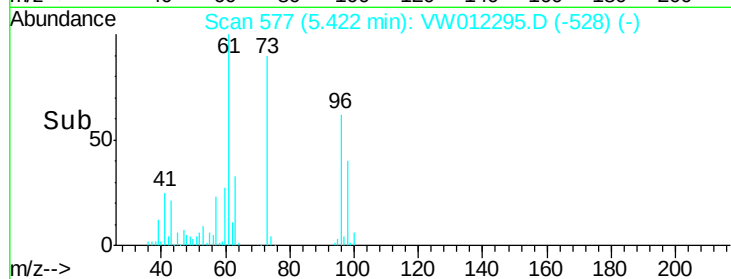
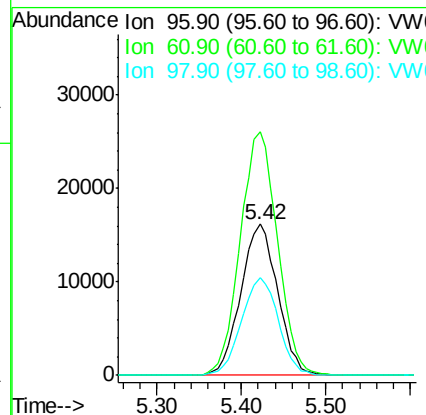
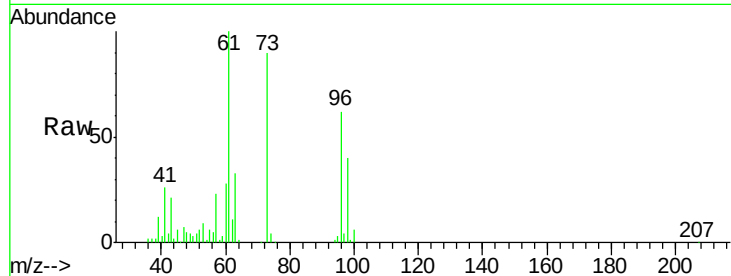
98 64.7 51.4 77.0

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#22

Diisopropyl ether

Concen: 21.224 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion: 45 Resp: 194475

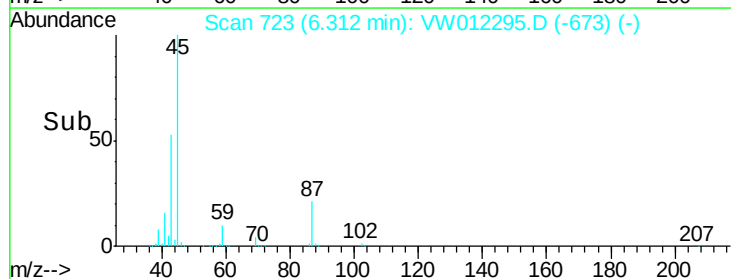
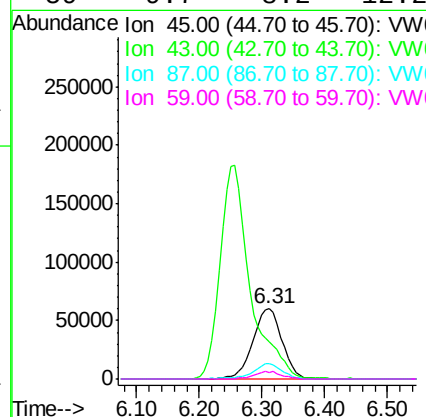
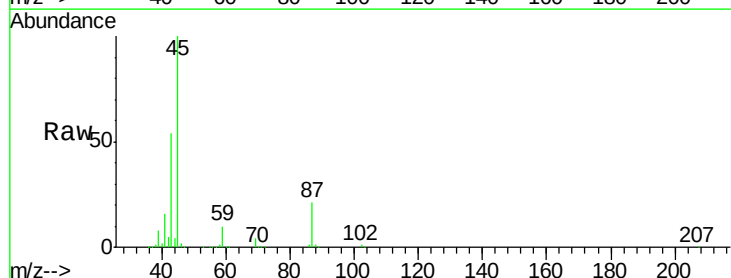
Ion Ratio Lower Upper

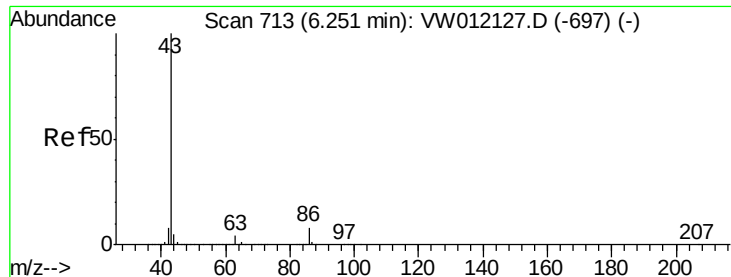
45 100

43 53.3 45.5 68.3

87 21.4 16.1 24.1

59 9.7 8.2 12.2





#23

Vinyl Acetate

Concen: 107.656 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 43 Resp: 607081

Ion Ratio Lower Upper

43 100

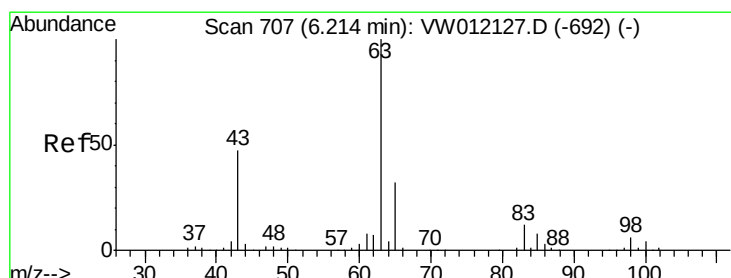
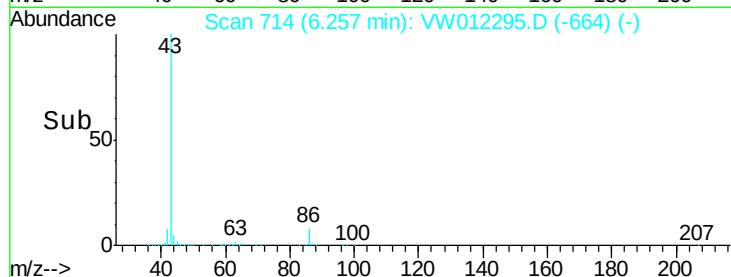
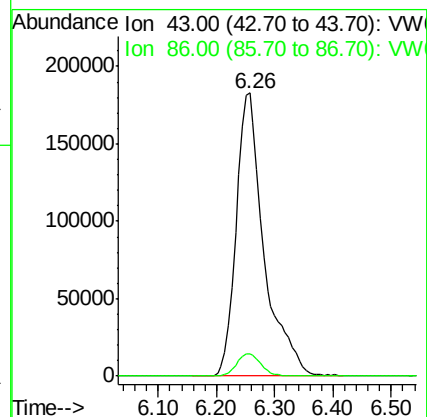
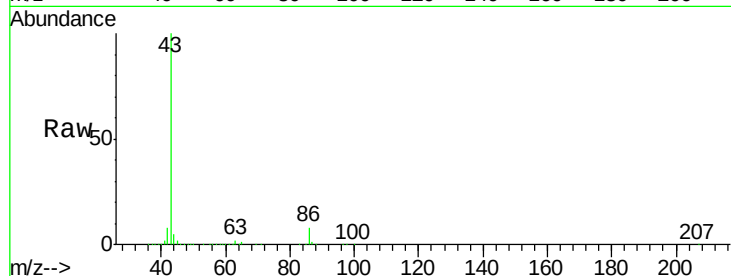
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.021 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

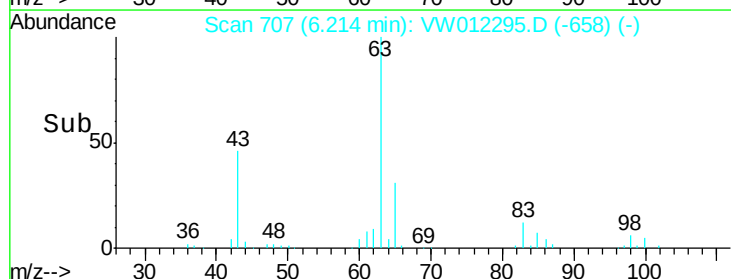
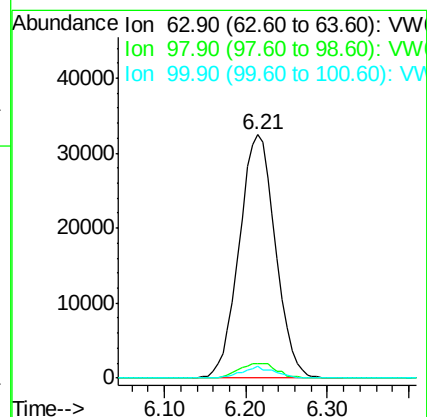
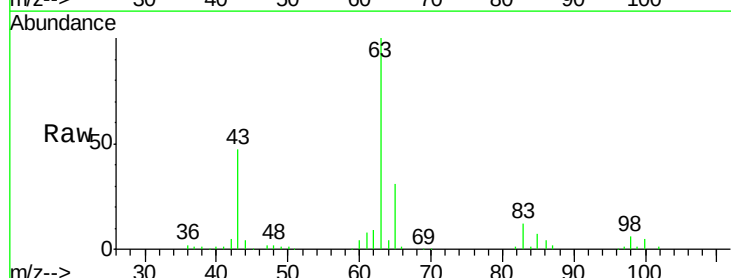
Tgt Ion: 63 Resp: 99885

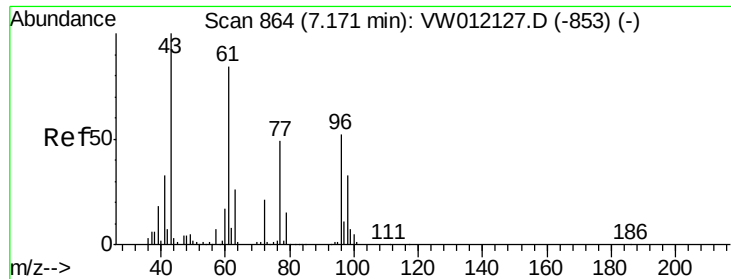
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 112.409 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 43 Resp: 107004

Ion Ratio Lower Upper

43 100

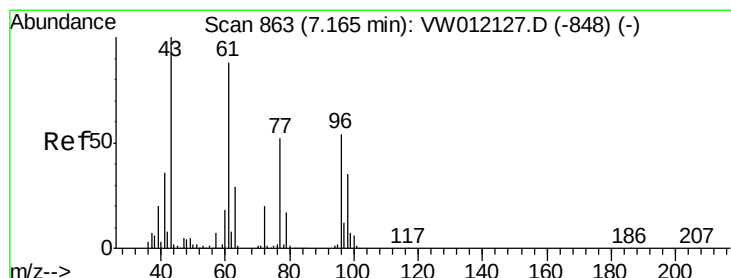
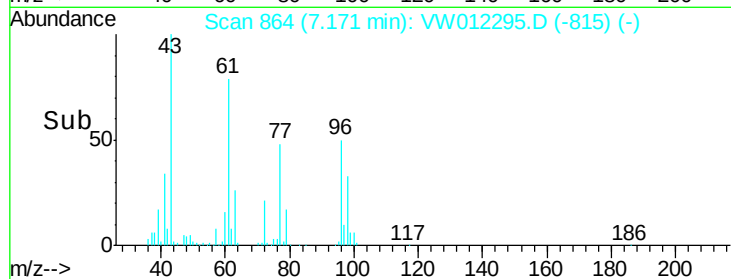
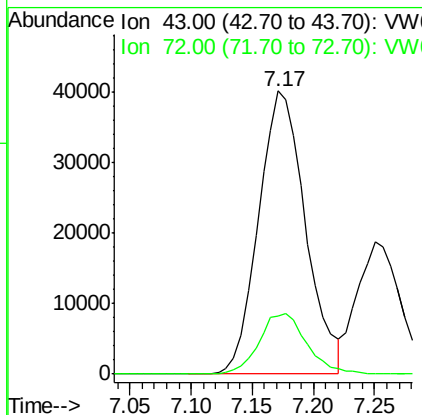
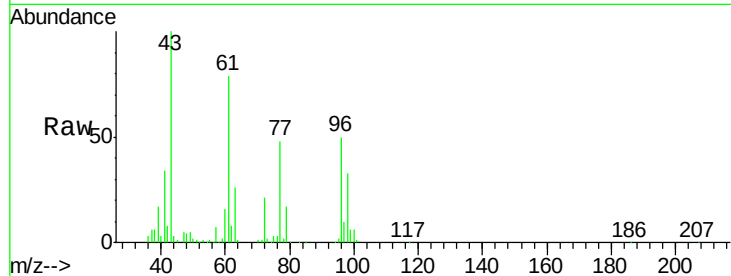
72 20.6 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.518 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012295.D

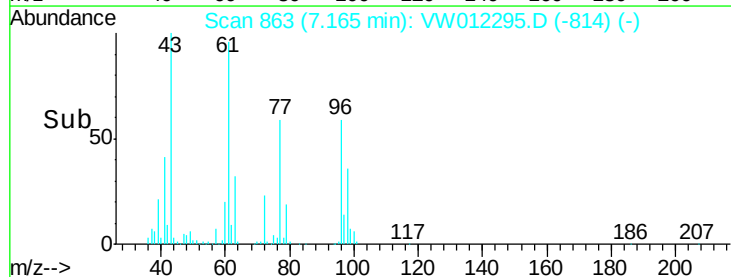
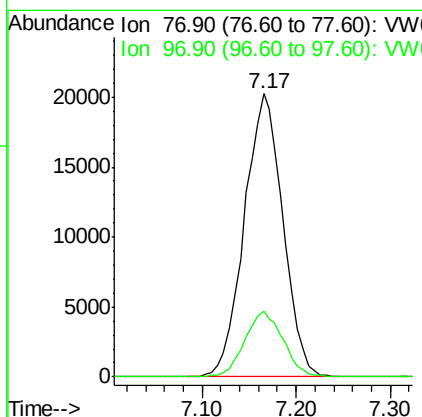
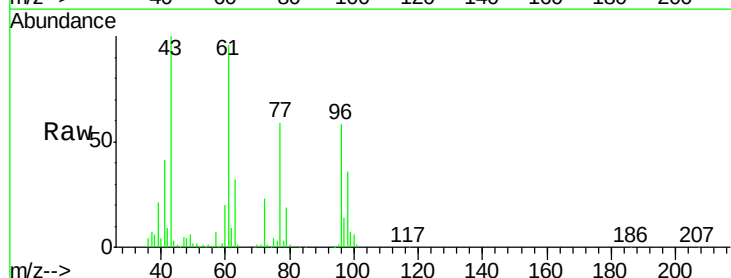
Acq: 29 Aug 2019 11:45

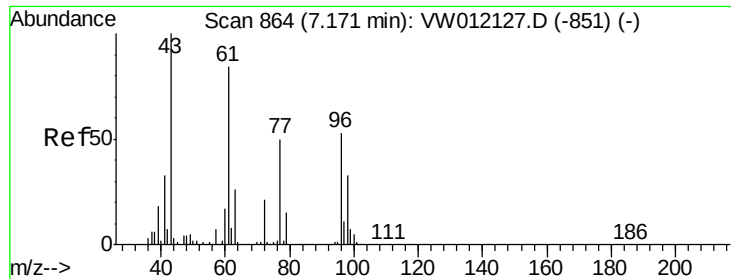
Tgt Ion: 77 Resp: 57940

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

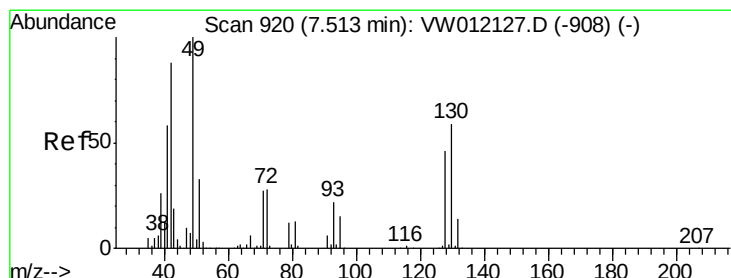
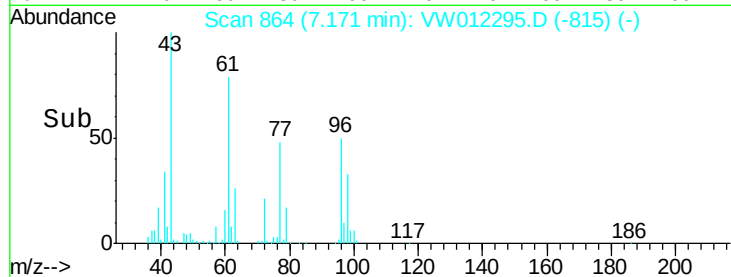
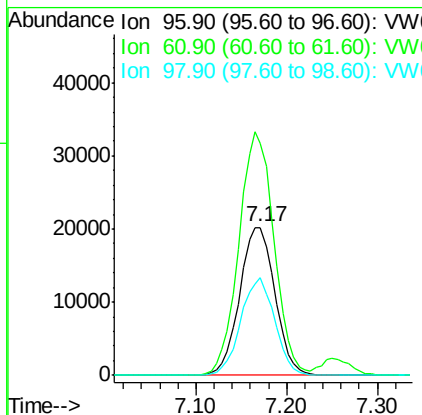
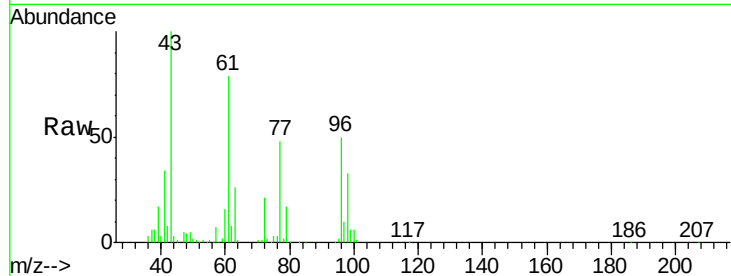
cis-1,2-Dichloroethene
Concen: 20.648 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	326.6
98	63.1	0.0	127.4

Manual Integrations
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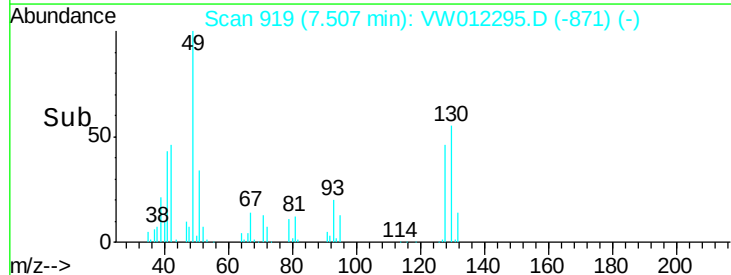
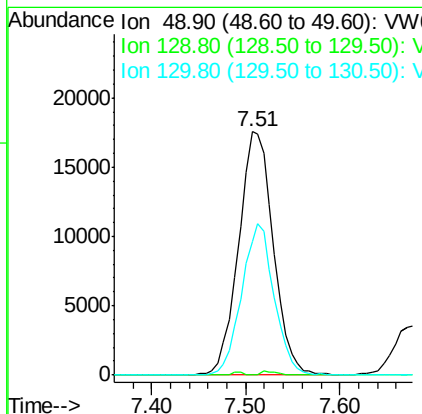
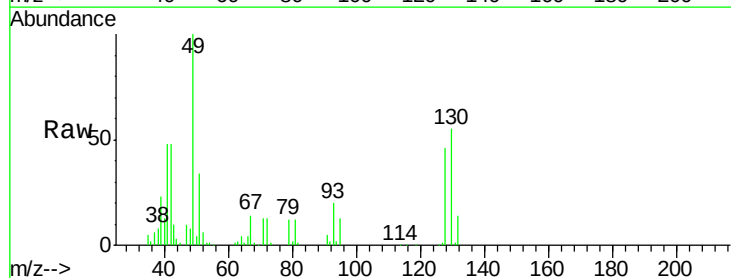
MMDadoda
8/30/2019 11:41:22 AM

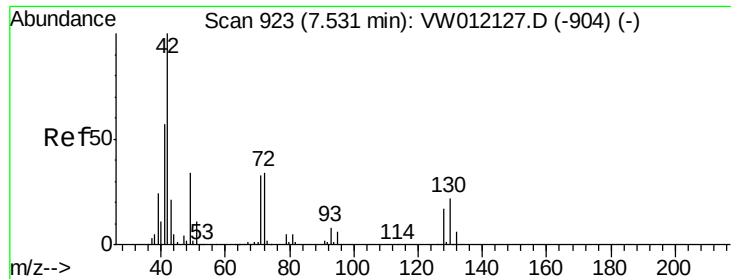


#28

Bromochloromethane
Concen: 20.745 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.4
130	58.1	45.5	68.3





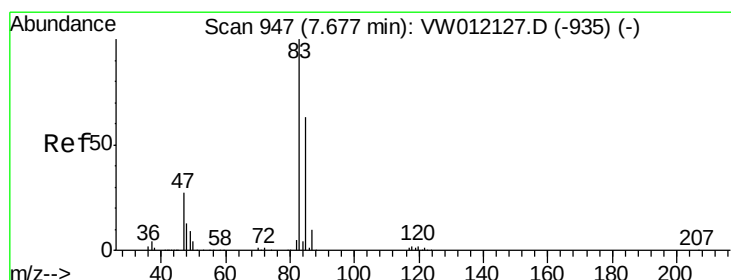
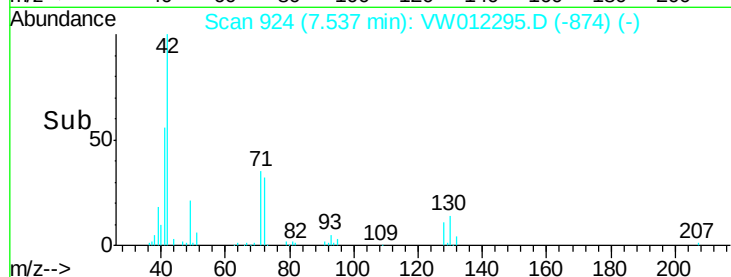
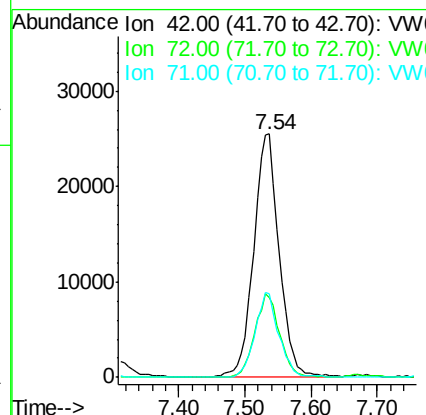
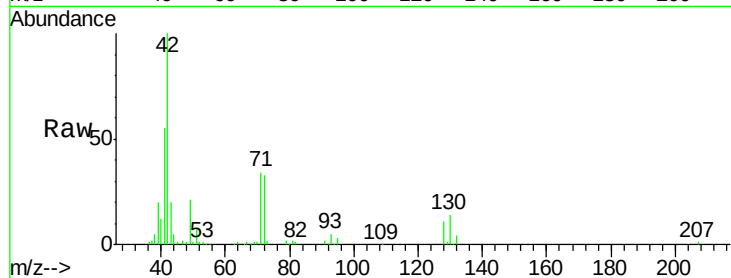
#29
Tetrahydrofuran
Concen: 120.634 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	27.3	40.9
71	32.4	25.5	38.3

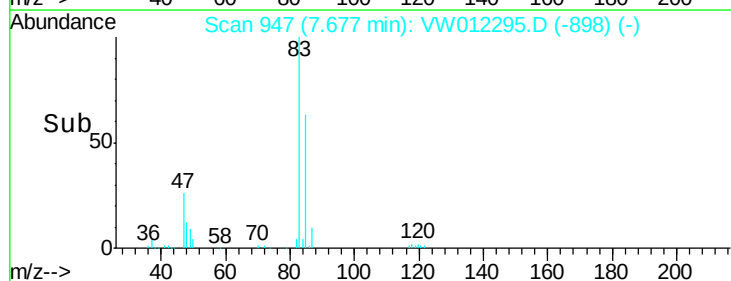
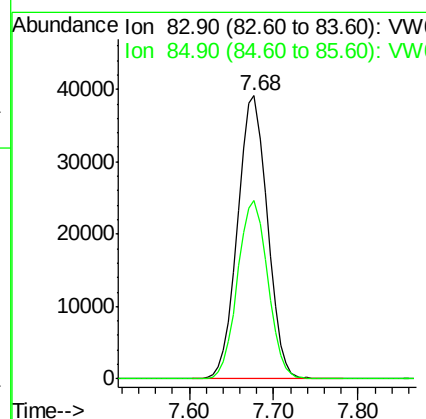
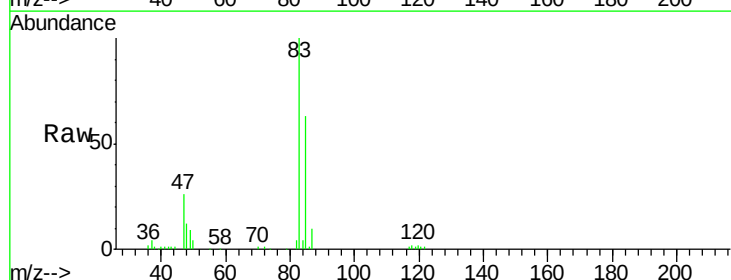
Manual Integrations
APPROVED

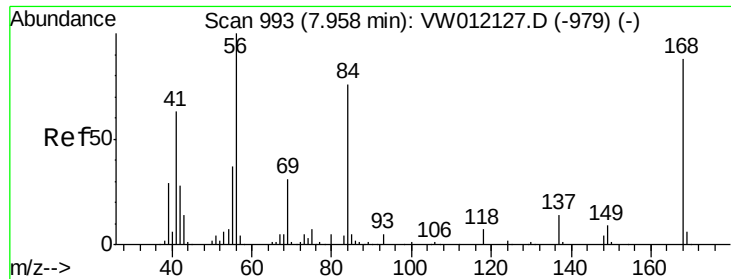
MMDadoda
8/30/2019 11:41:22 AM



#30
Chloroform
Concen: 20.532 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	76.0





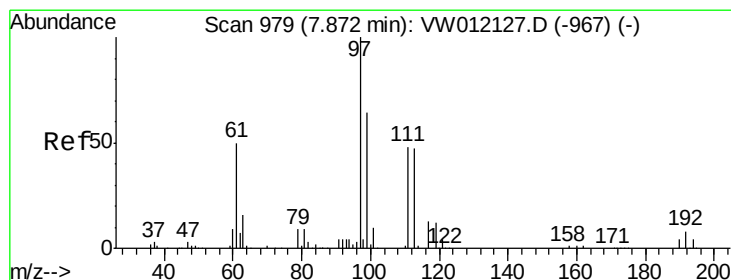
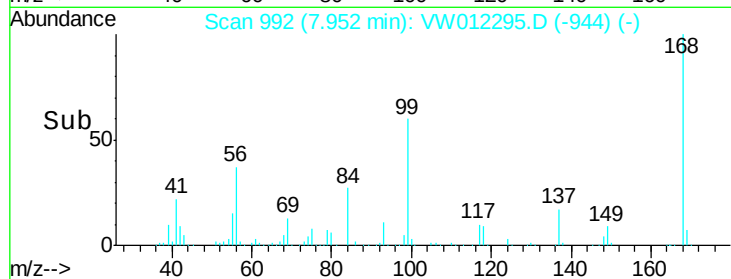
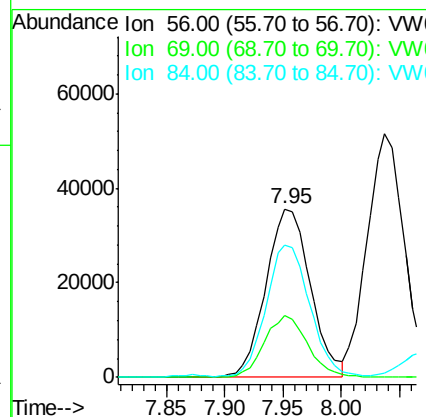
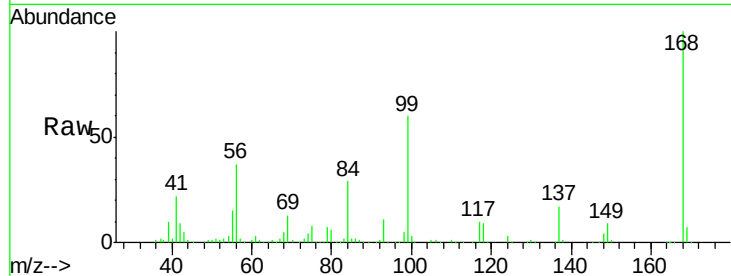
#31
Cyclohexane
Concen: 19.137 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	94463		
69	36.8		24.9	37.3
84	76.8		60.6	90.8

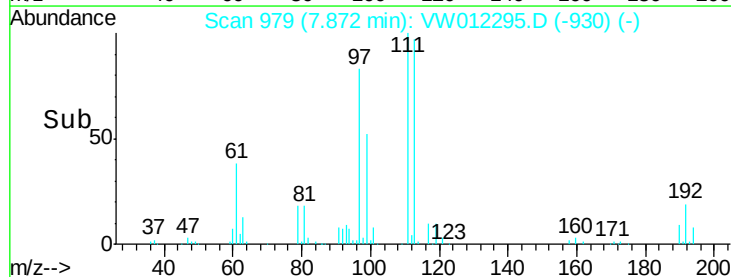
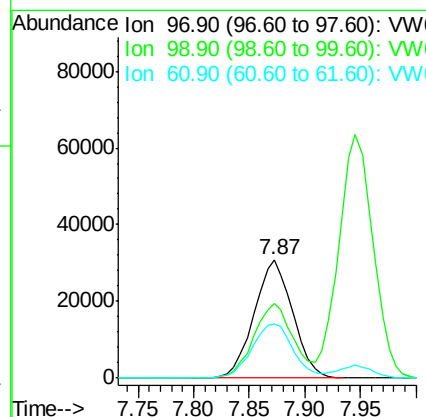
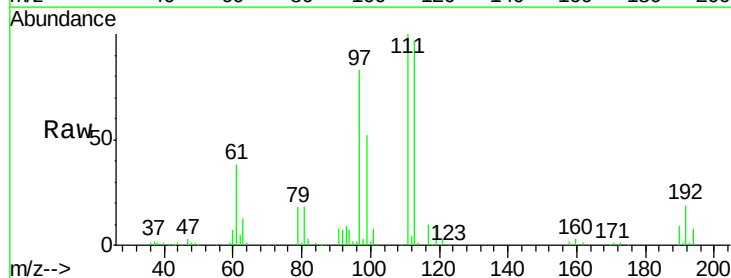
Manual Integrations
APPROVED

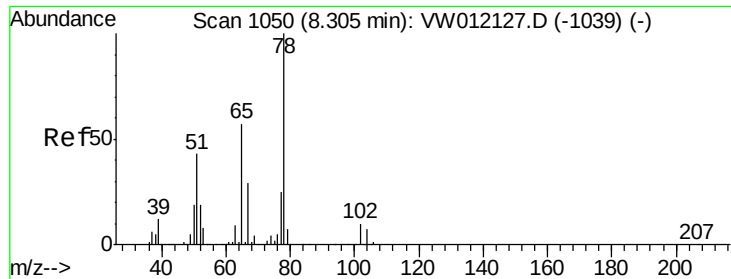
MMDadoda
8/30/2019 11:41:22 AM



#32
1,1,1-Trichloroethane
Concen: 20.594 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	74362		
99	65.4		51.4	77.0
61	48.6		39.5	59.3





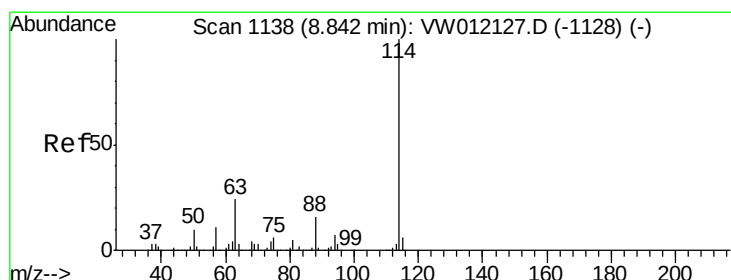
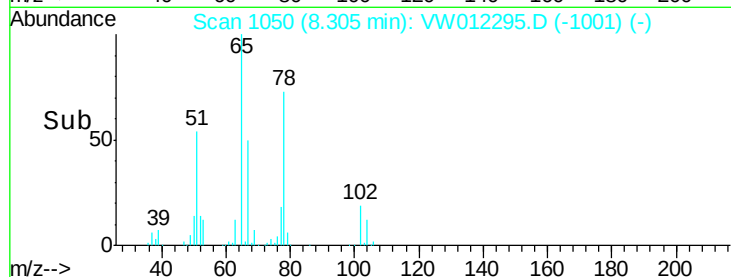
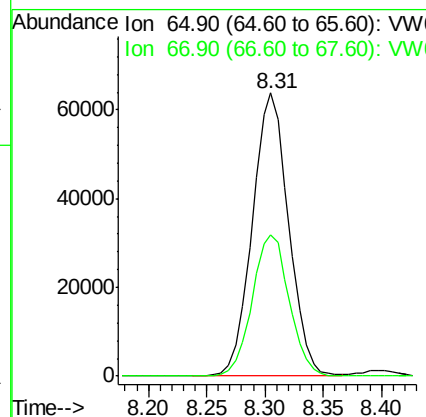
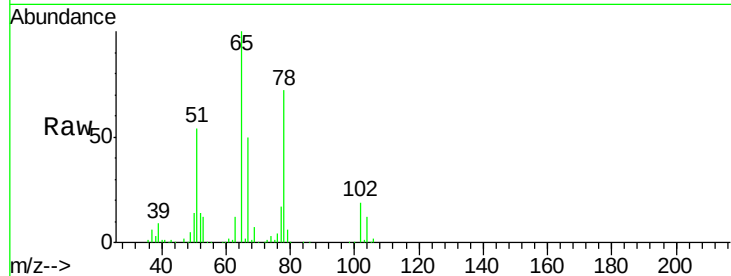
#33
 1,2-Dichloroethane-d4
 Concen: 50.370 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.0	0.0	102.6	

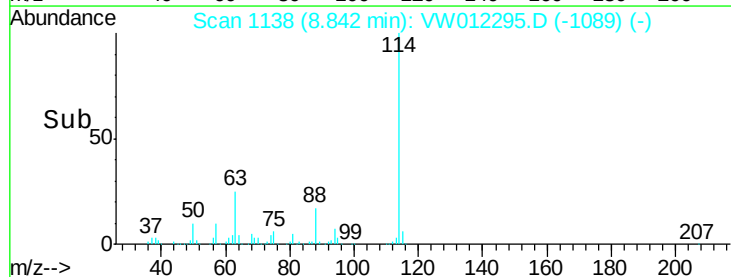
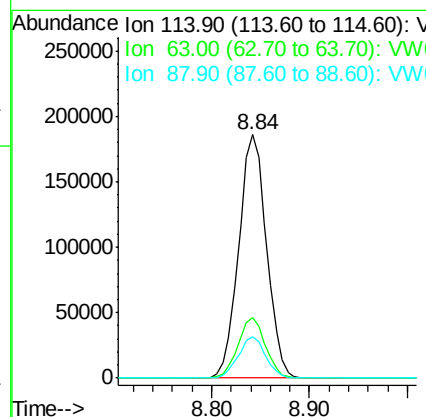
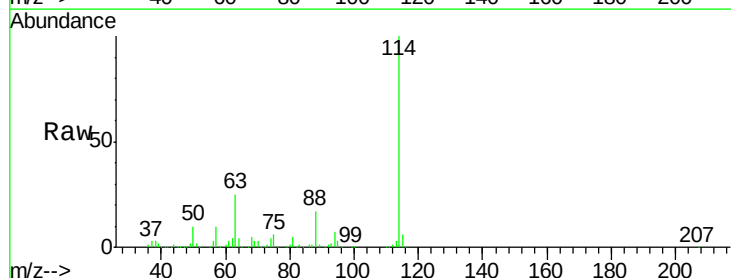
Manual Integrations
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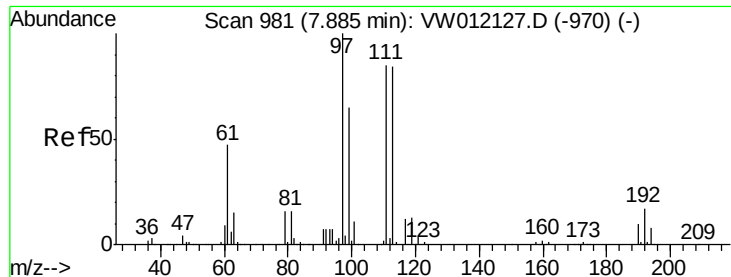
MMDadoda
 8/30/2019 11:41:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.1	0.0	48.6	
88	16.9	0.0	32.2	





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

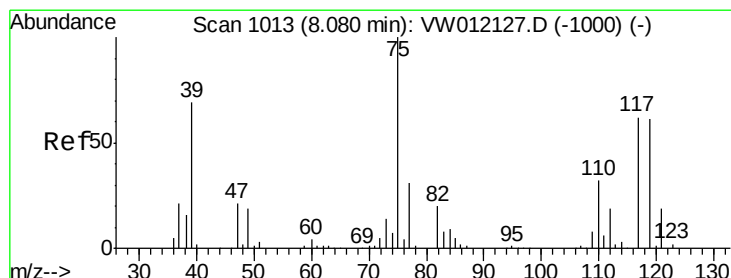
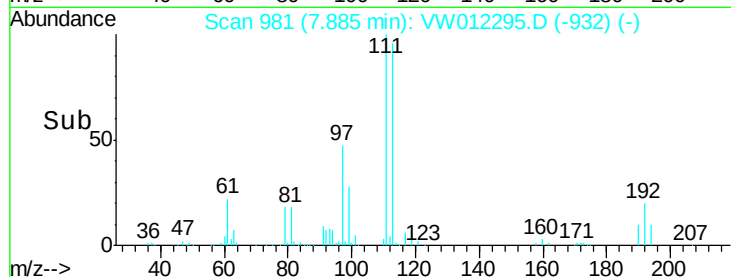
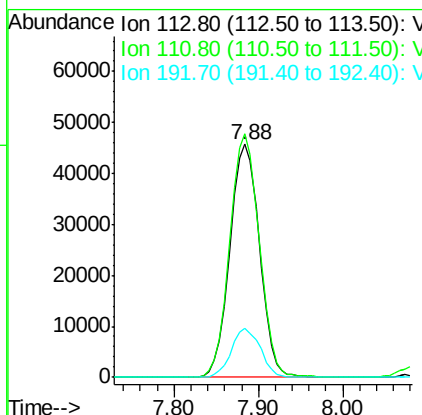
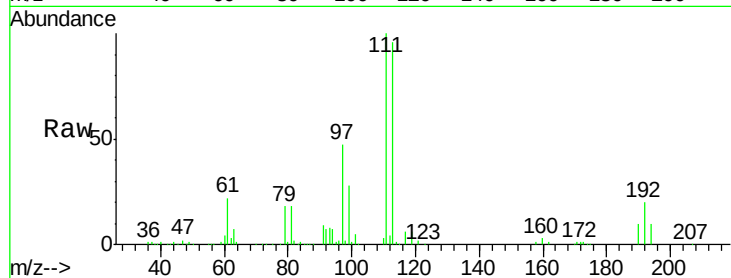
ClientSampleId :

VW0829SBS01

Tot Ion:	113	Resp:	108700
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.7	124.1
192	20.8	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:22 AM



#36

1,1-Dichloropropene

Concen: 19.913 ug/l

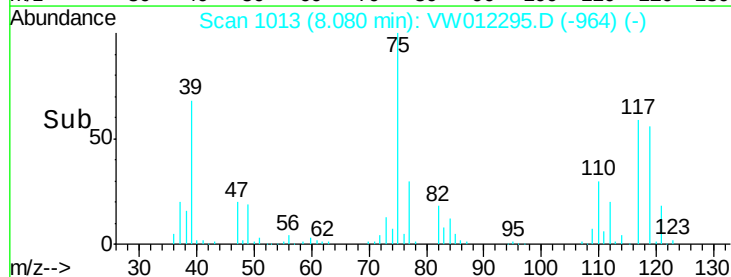
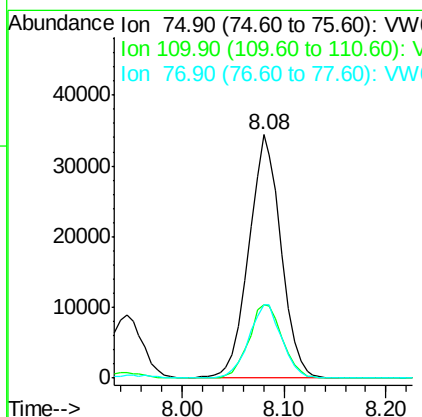
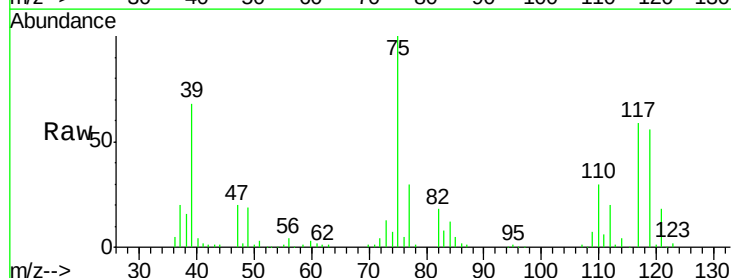
RT: 8.08 min Scan# 1013

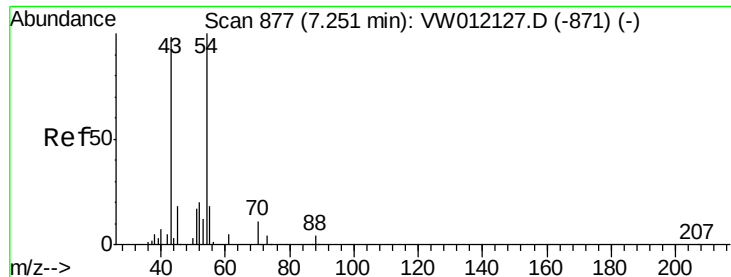
Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion:	75	Resp:	75502
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.6	46.8
77	30.9	24.6	36.8





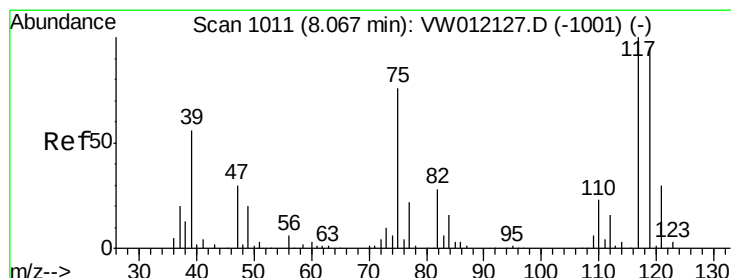
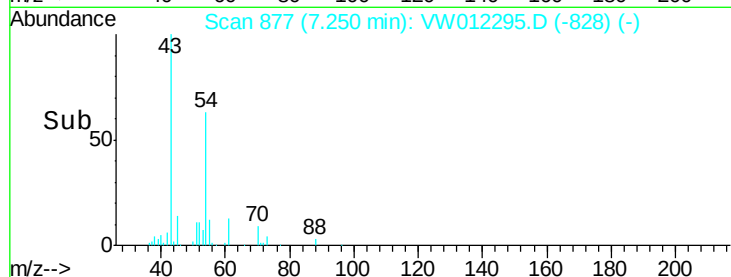
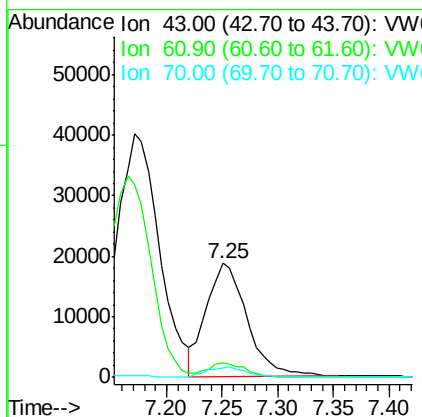
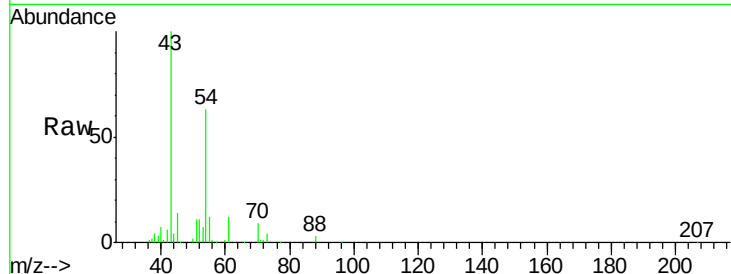
#37
Ethyl Acetate
Concen: 22.931 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampled :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	9.2	6.9	10.3

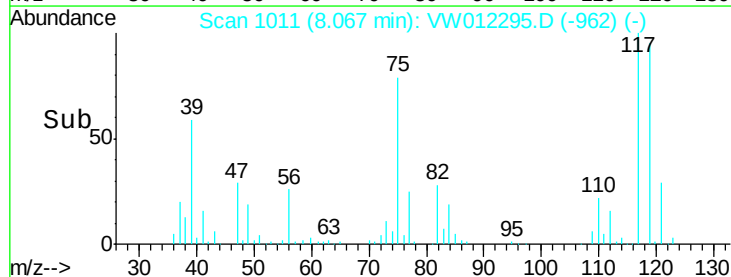
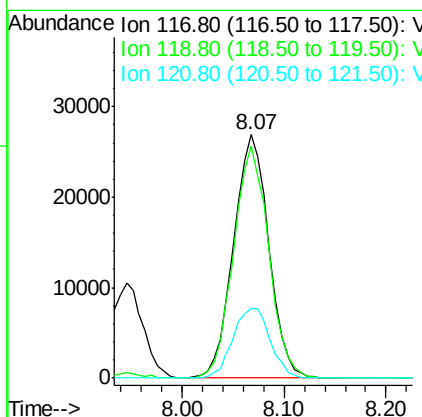
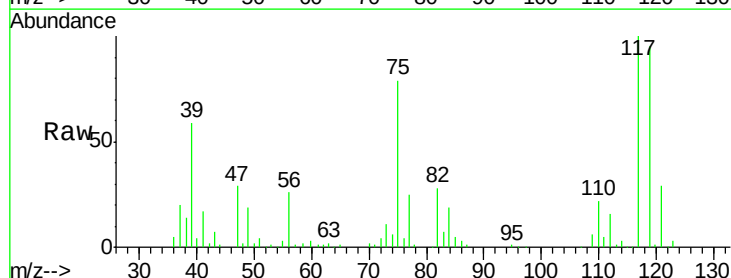
Manual Integrations
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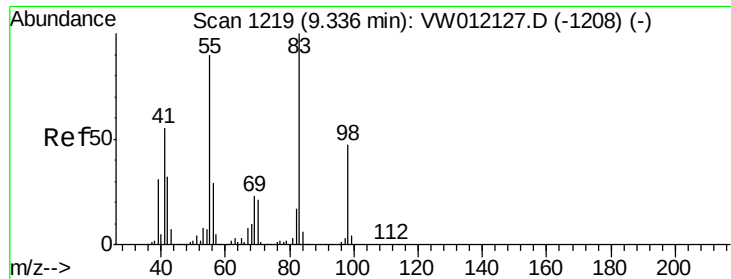
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8/30/2019 11:41:22 AM



#38
Carbon Tetrachloride
Concen: 19.670 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.2
121	28.7	23.8	35.8





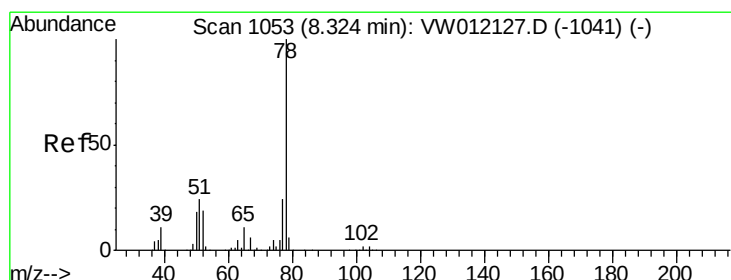
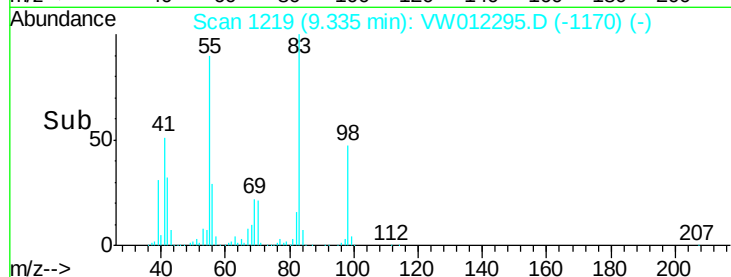
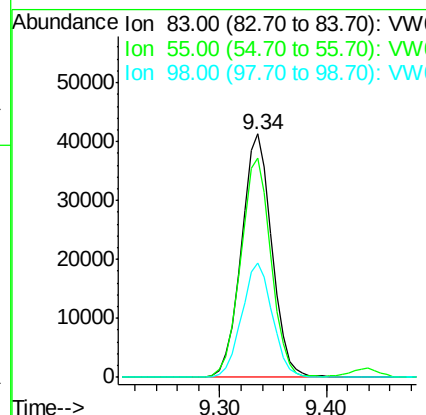
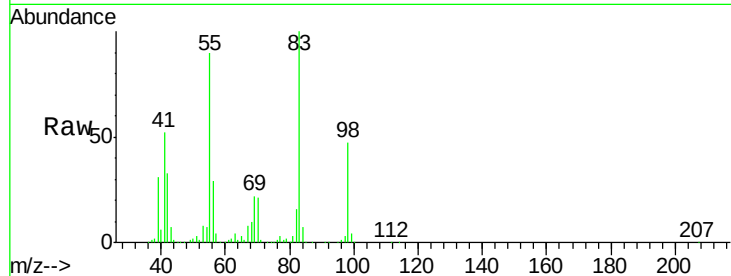
#39
Methylvlcyclohexane
Concen: 19.444 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	71.8	107.8
98	46.8	37.8	56.8

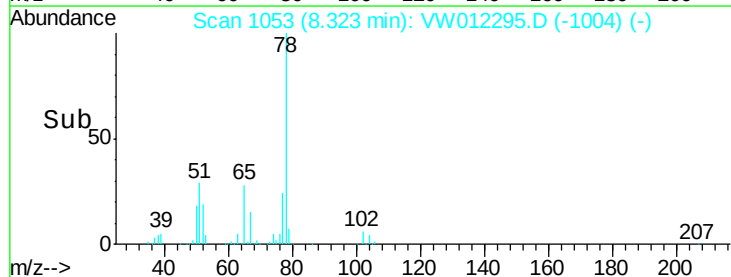
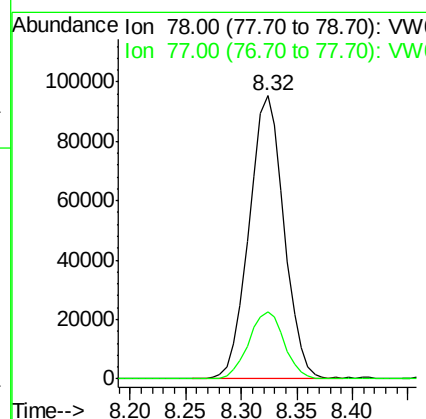
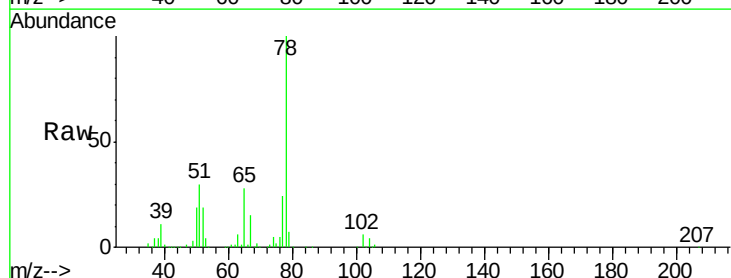
Manual Integrations
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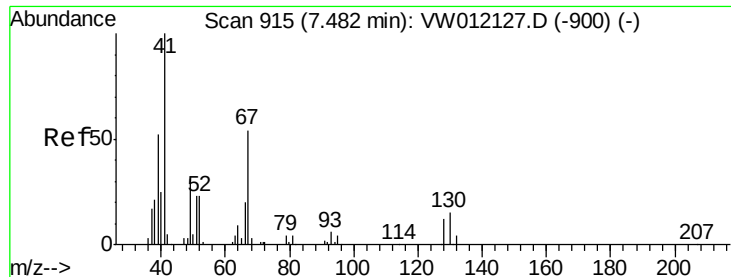
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8/30/2019 11:41:22 AM



#40
Benzene
Concen: 20.166 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.5	29.3





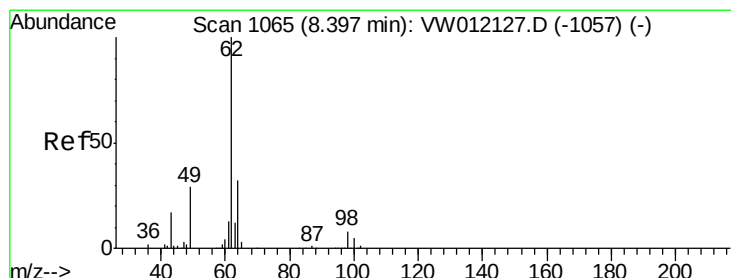
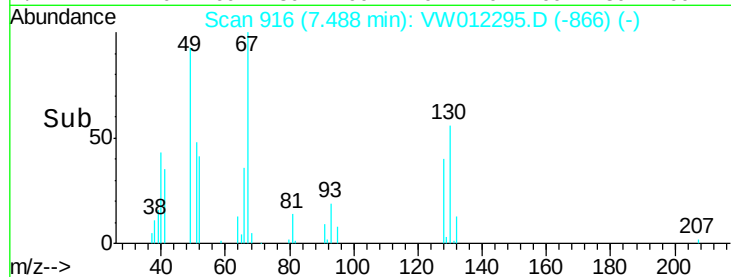
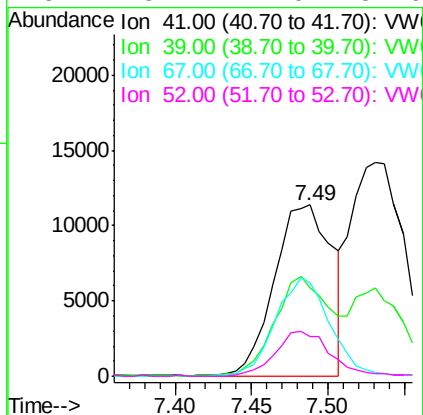
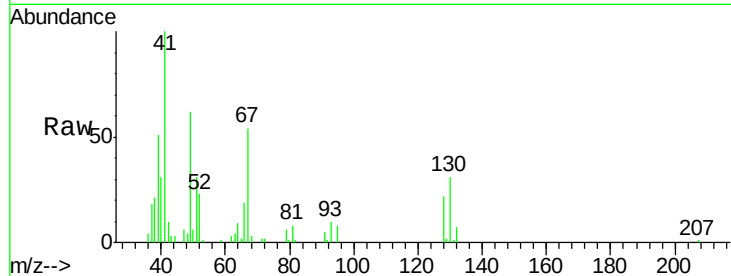
#41
Methacrylonitrile
Concen: 24.604 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		30046		
39	54.7	45.8	68.8		
67	54.4	46.2	69.4		
52	25.4	21.0	31.6		

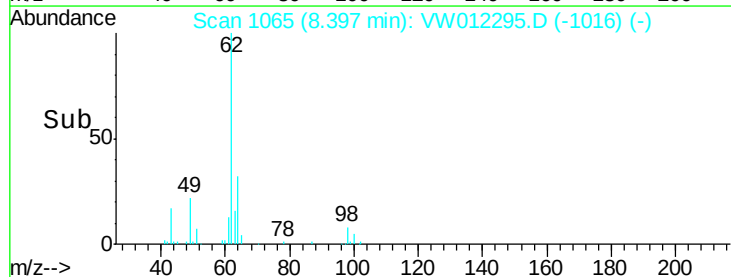
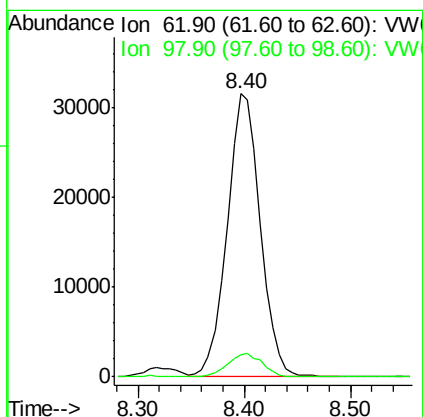
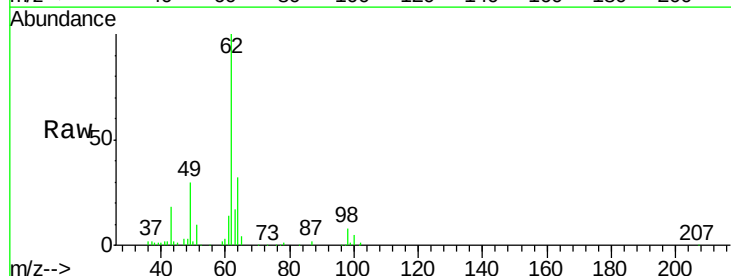
Manual Integrations
APPROVED

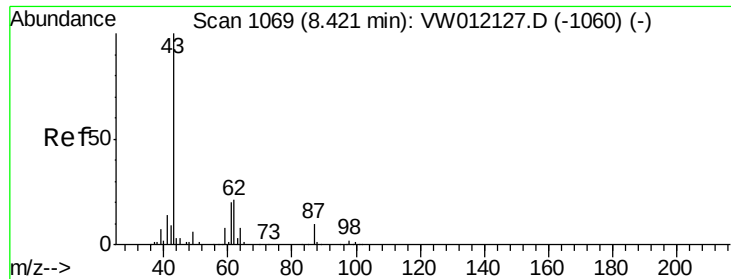
MMDadoda
8/30/2019 11:41:22 AM



#42
1,2-Dichloroethane
Concen: 21.203 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		68801		
98	8.7	0.0	16.6		





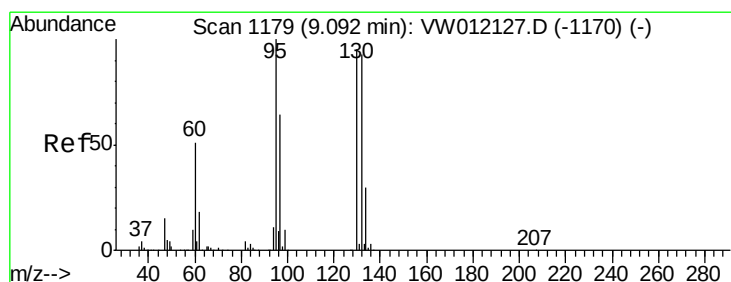
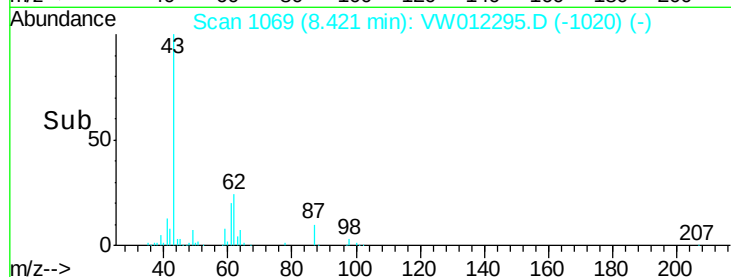
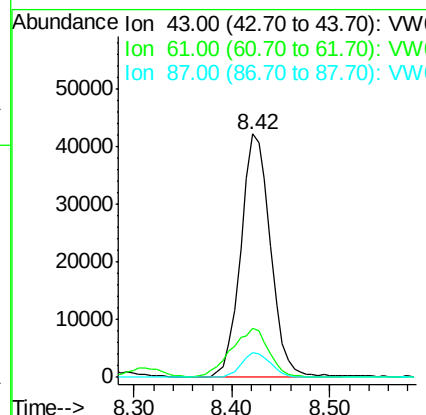
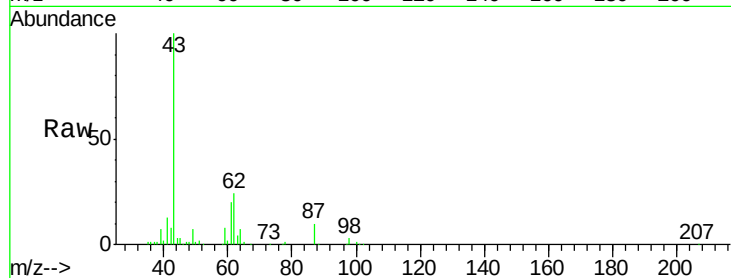
#43
Isopropyl Acetate
Concen: 22.985 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.1	31.7
87	10.0	8.2	12.2

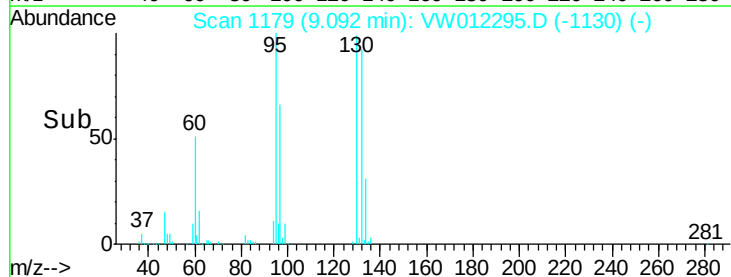
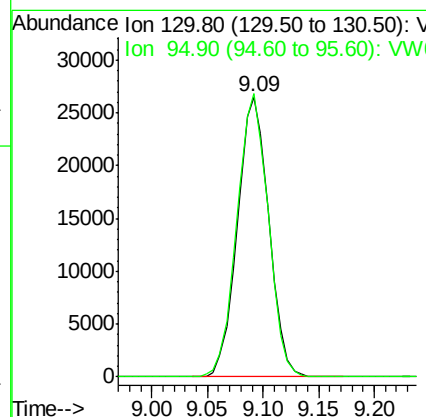
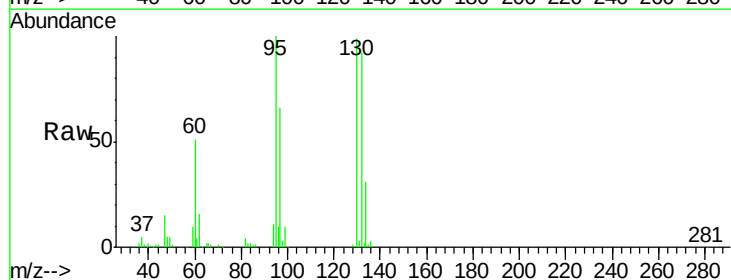
Manual Integrations
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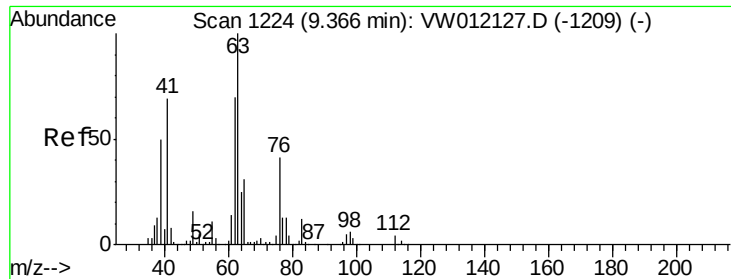
MMDadoda
8/30/2019 11:41:22 AM



#44
Trichloroethene
Concen: 20.490 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.6





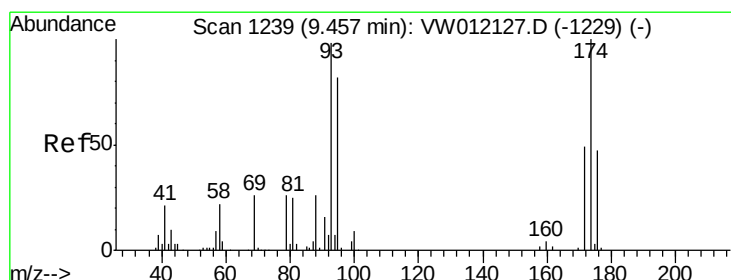
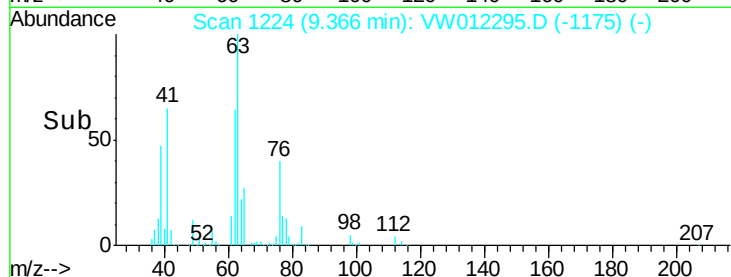
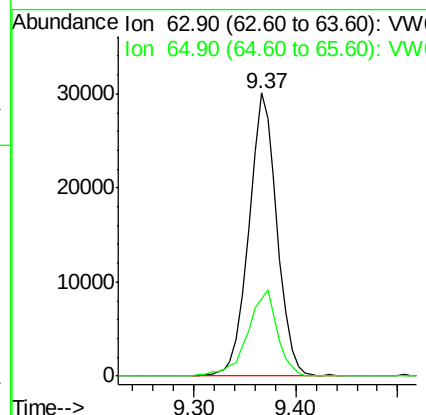
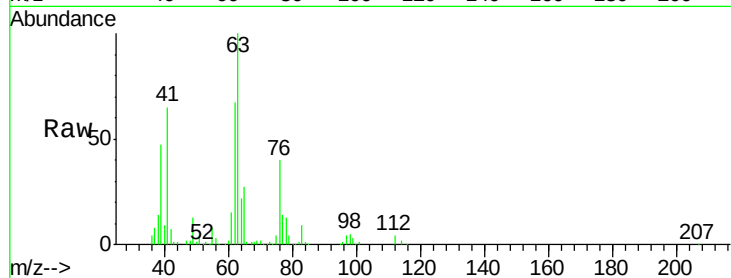
#45
 1,2-Dichloropropane
 Concen: 20.659 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampled :
 VW0829SBS01

Tot Ion: 63 Resp: 57566
 Ion Ratio Lower Upper
 63 100
 65 27.3 25.0 37.4

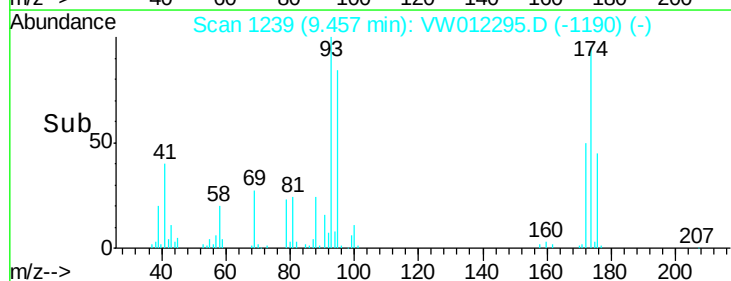
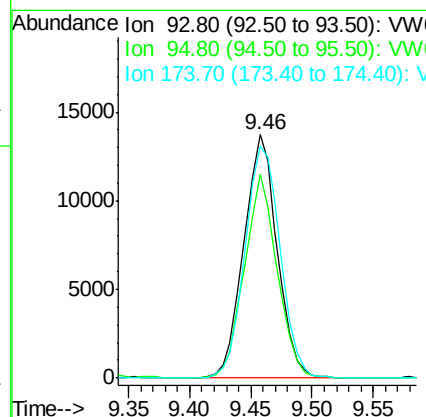
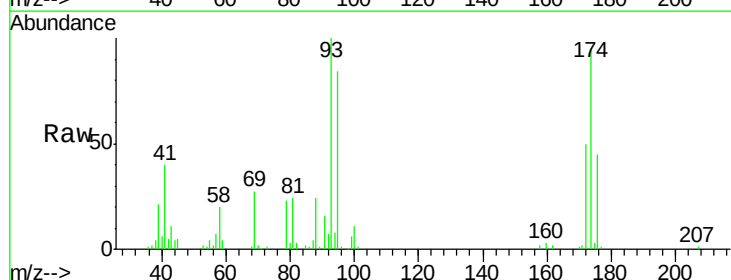
Manual Integrations
 APPROVED

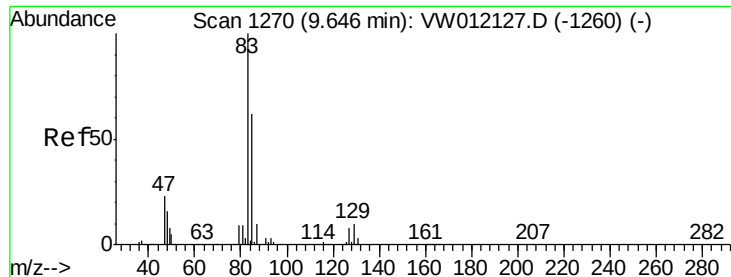
MMDadoda
 8/30/2019 11:41:22 AM



#46
 Dibromomethane
 Concen: 20.916 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion: 93 Resp: 25931
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 100.9 79.0 118.6





#47

Bromodichloromethane

Concen: 20.286 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

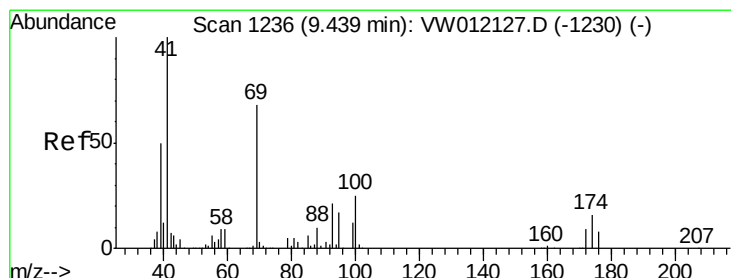
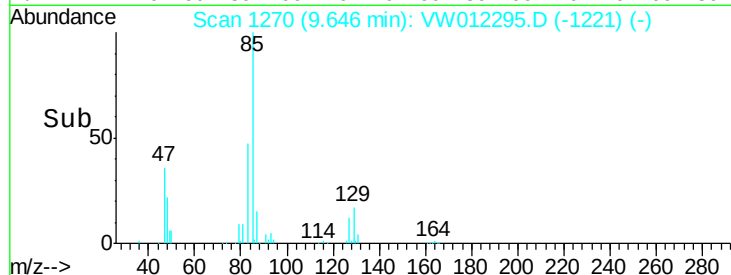
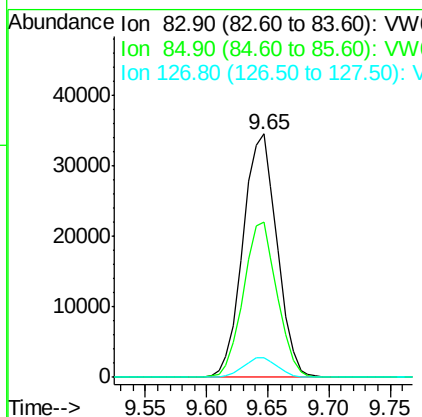
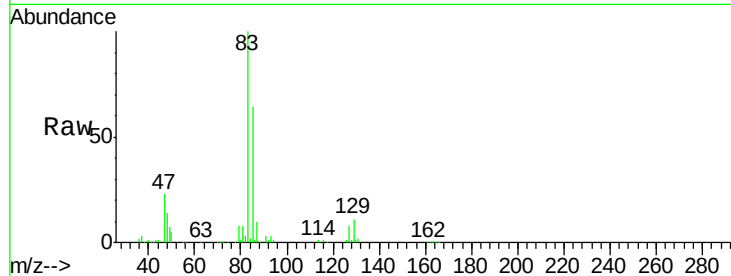
ClientSampleId :

VW0829SBS01

Tot Ion:	83	Resp:	66935
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.4	74.2
127	7.8	6.1	9.1

Manual Integrations
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MMDadoda
8/30/2019 11:41:22 AM



#48

Methyl methacrylate

Concen: 22.202 ug/l

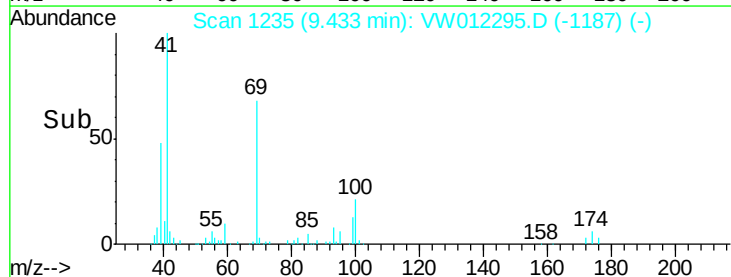
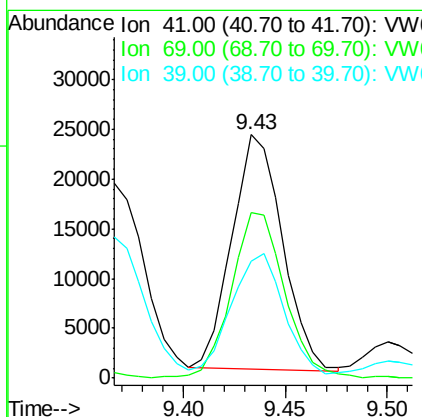
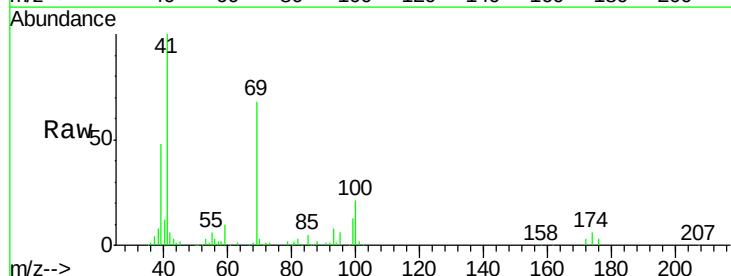
RT: 9.43 min Scan# 1235

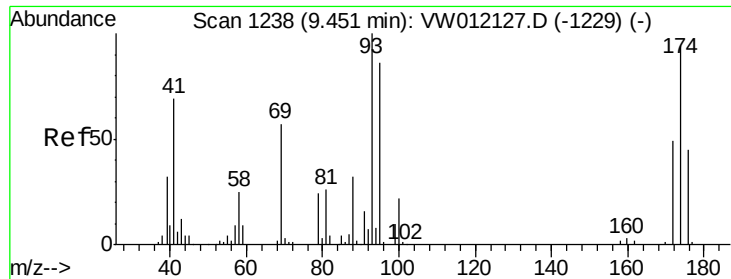
Delta R.T. -0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion:	41	Resp:	40670
Ion	Ratio	Lower	Upper
41	100		
69	74.7	56.7	85.1
39	56.5	42.0	63.0





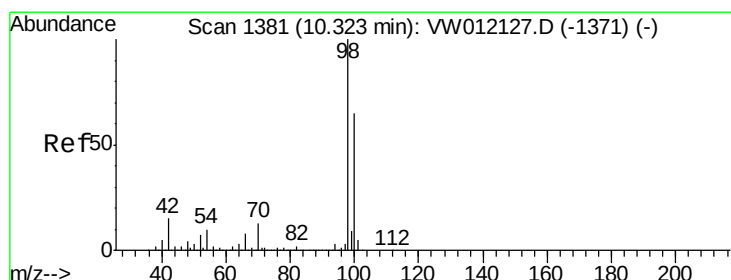
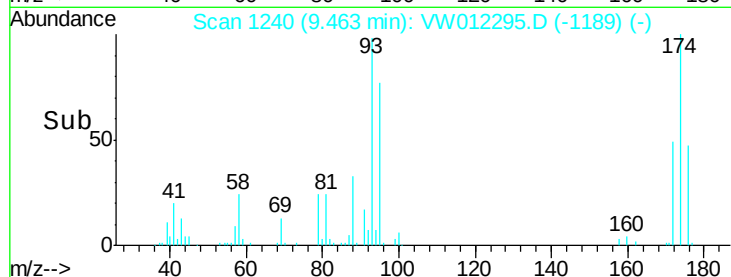
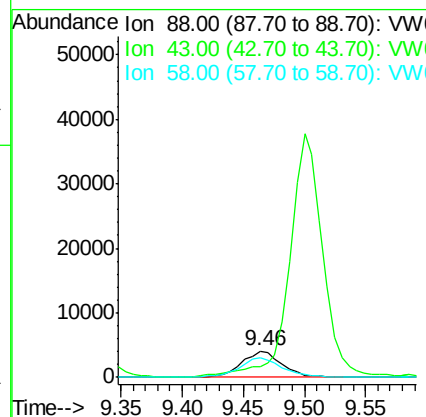
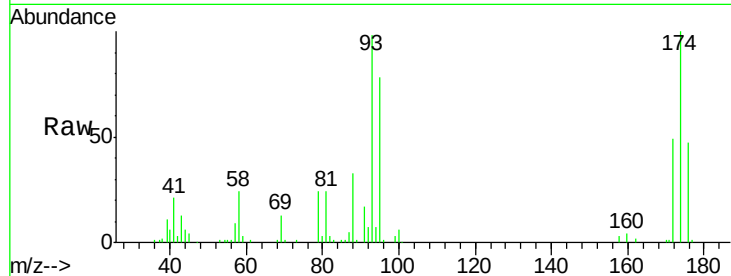
#49
 1,4-Dioxane
 Concen: 480.047 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	88	Resp	9111
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	83.3	71.0	106.4

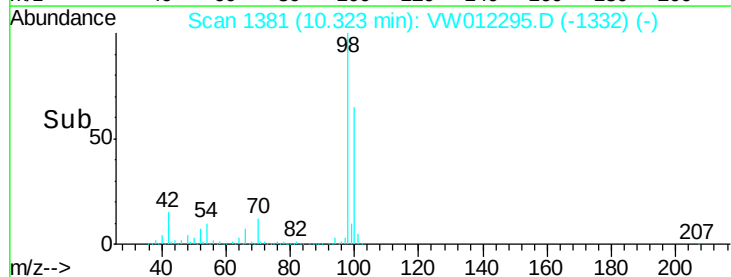
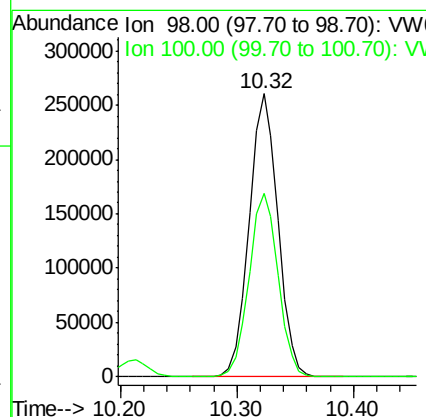
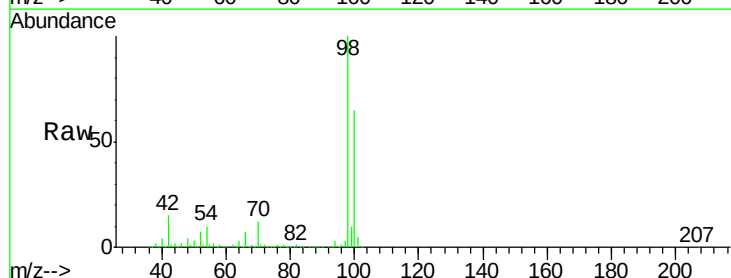
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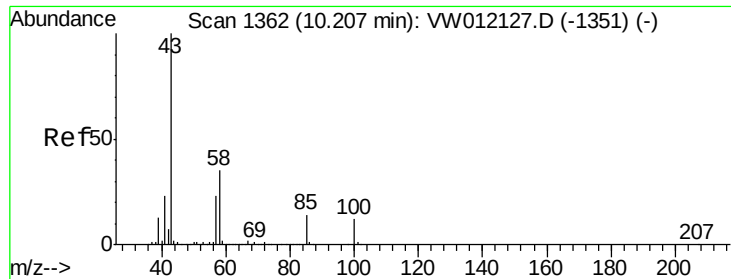
MMDadoda
 8/30/2019 11:41:22 AM



#50
 Toluene-d8
 Concen: 50.434 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion	98	Resp	447875
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 117.206 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 43 Resp: 229440

Ion Ratio Lower Upper

43 100

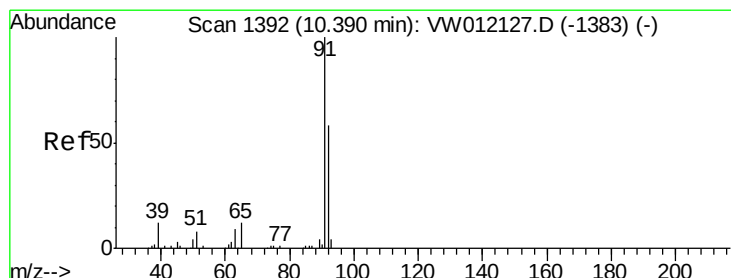
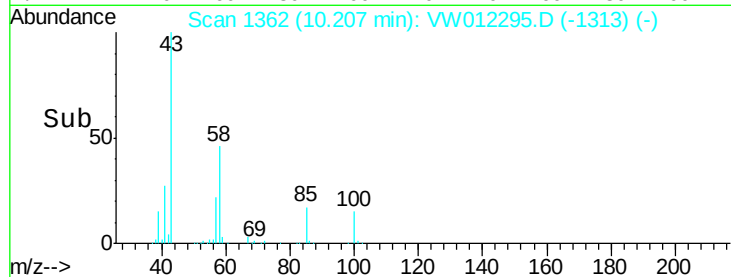
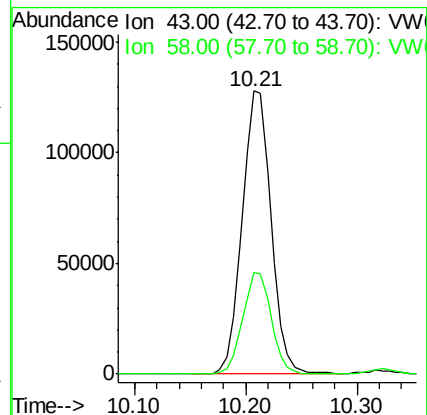
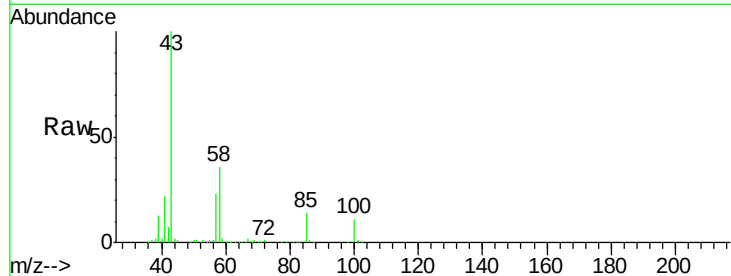
58 35.6 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 20.474 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012295.D

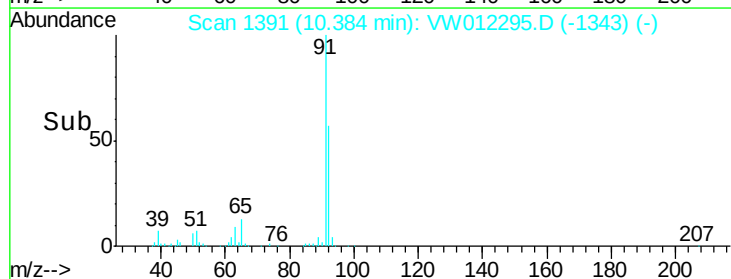
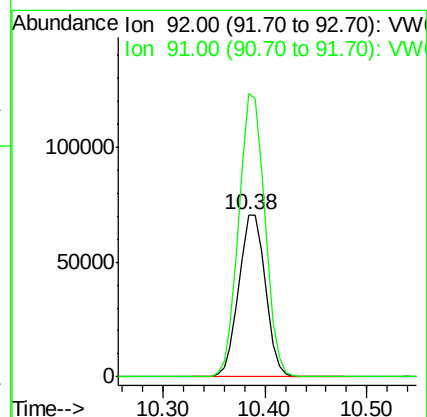
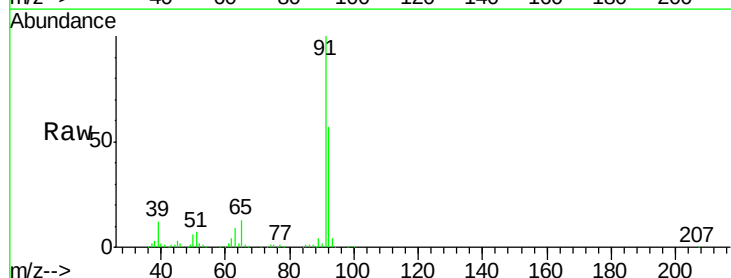
Acq: 29 Aug 2019 11:45

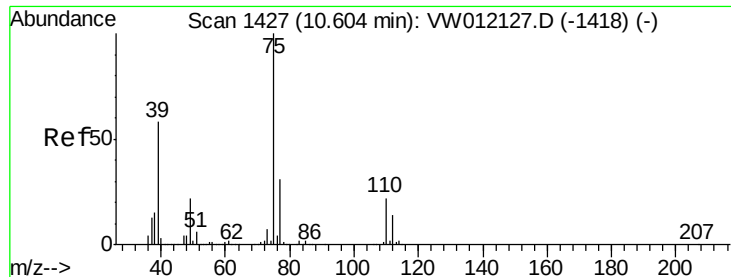
Tgt Ion: 92 Resp: 127343

Ion Ratio Lower Upper

92 100

91 171.2 136.6 204.8





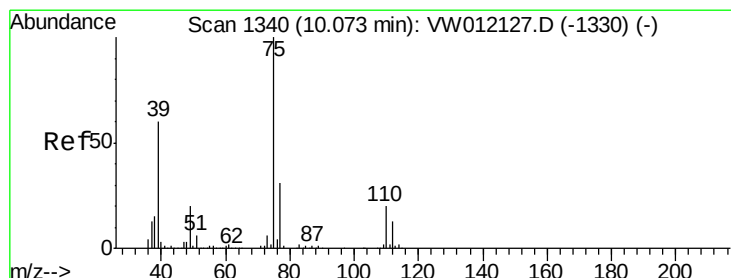
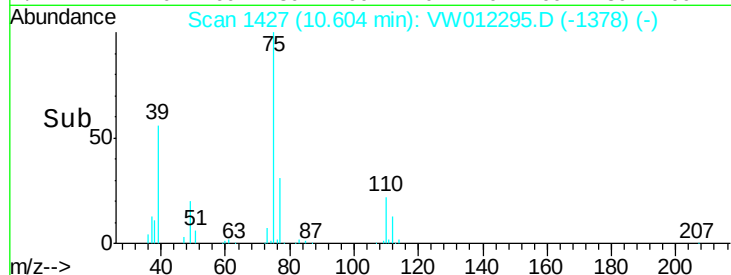
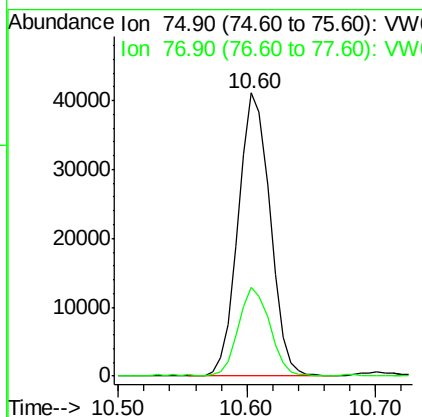
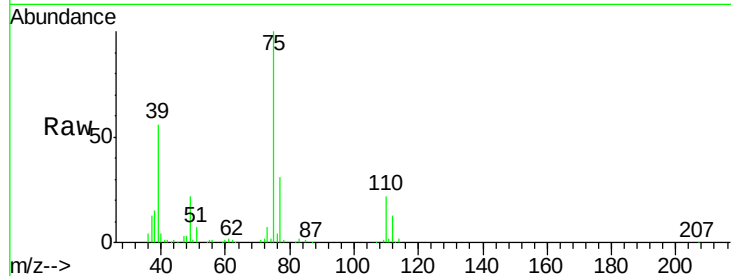
#53
t-1,3-Dichloropropene
Concen: 20.987 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion: 75 Resp: 70536
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

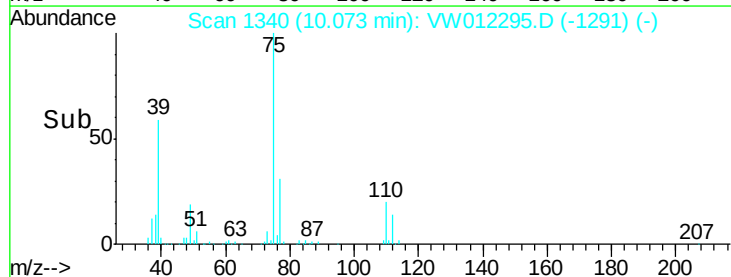
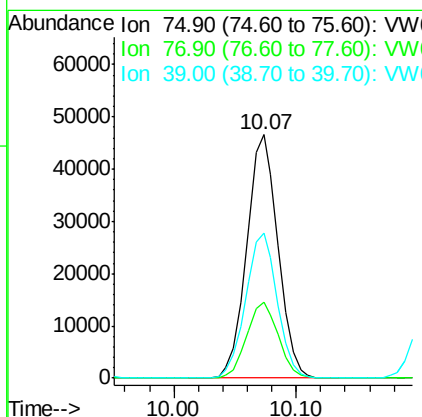
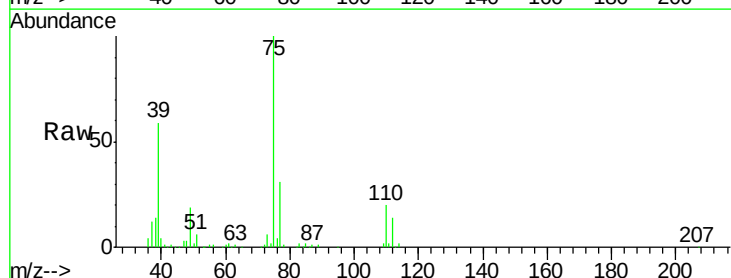
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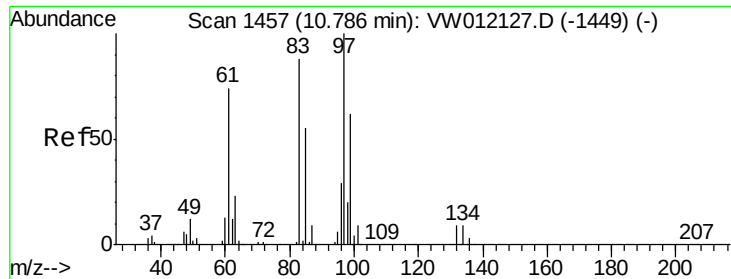
MMDadoda
8/30/2019 11:41:22 AM



#54
cis-1,3-Dichloropropene
Concen: 20.378 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion: 75 Resp: 82698
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7
39 59.2 48.3 72.5





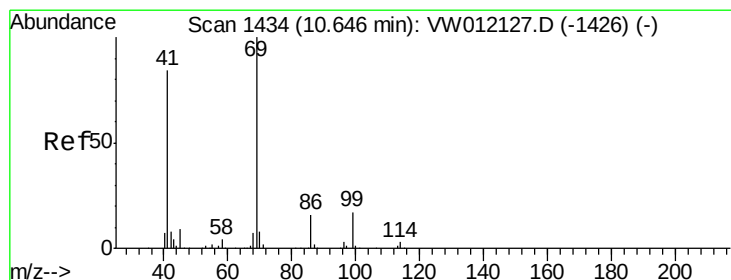
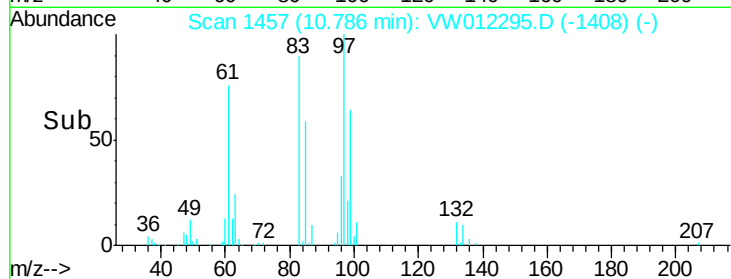
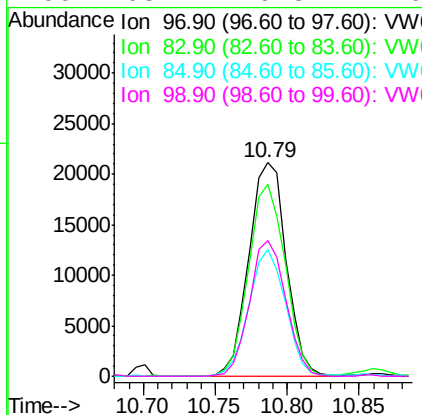
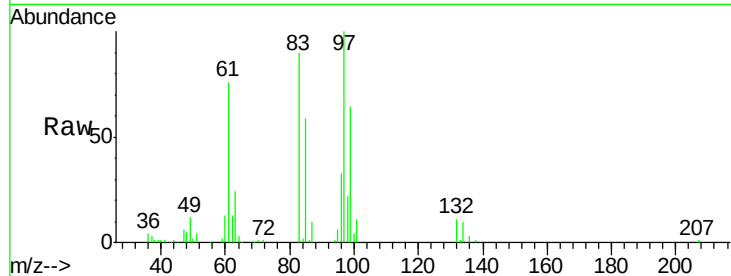
#55
 1,1,2-Trichloroethane
 Concen: 21.664 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion:	97	Resp:	38001
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.8	106.2
85	59.3	43.8	65.8
99	63.7	49.8	74.6

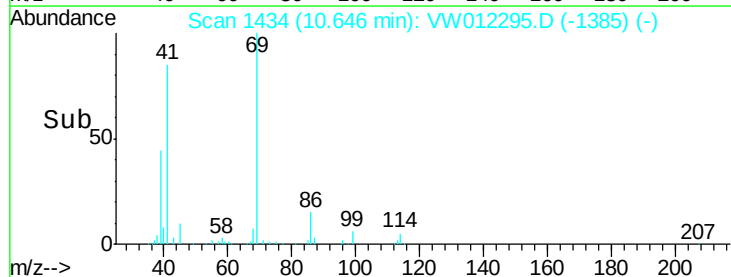
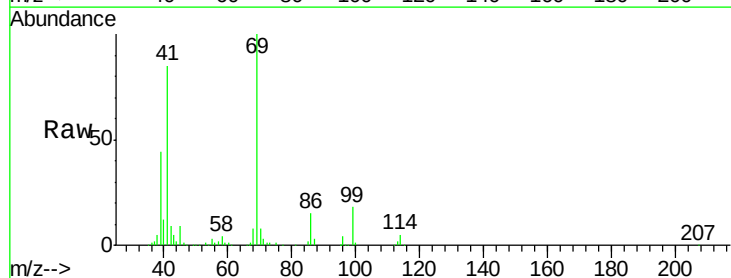
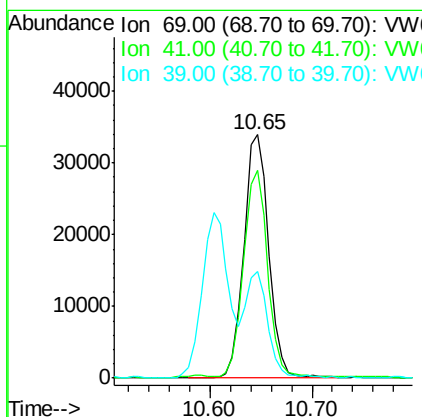
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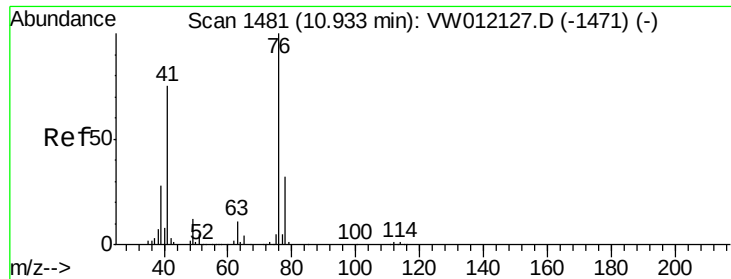
MMDadoda
 8/30/2019 11:41:22 AM



#56
 Ethyl methacrylate
 Concen: 22.576 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion:	69	Resp:	57635
Ion	Ratio	Lower	Upper
69	100		
41	81.4	66.5	99.7
39	38.8	31.0	46.4





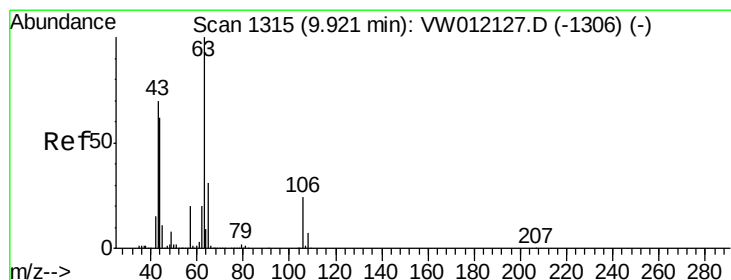
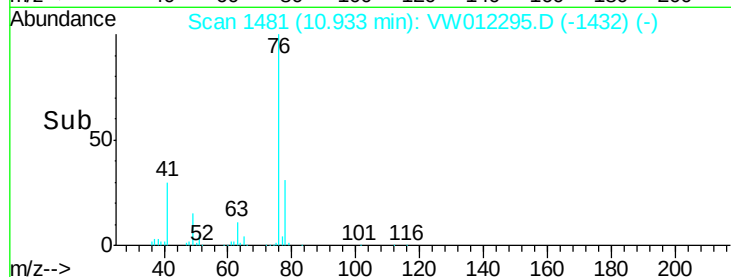
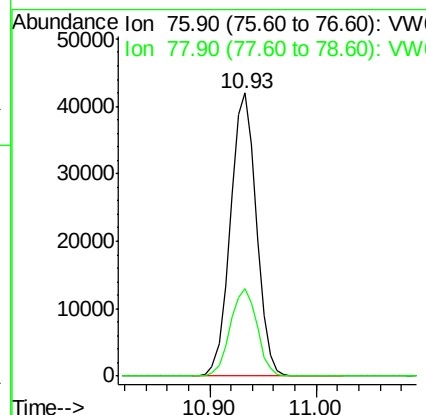
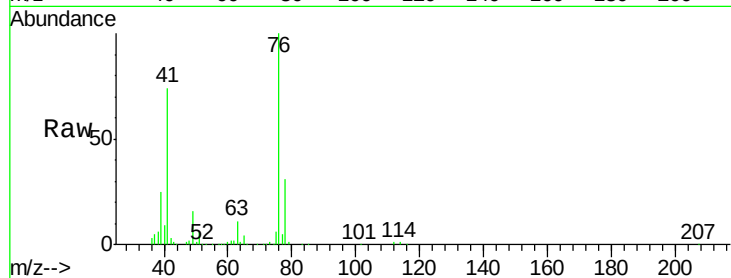
#57
 1,3-Dichloropropane
 Concen: 21.672 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion: 76 Resp: 71838
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

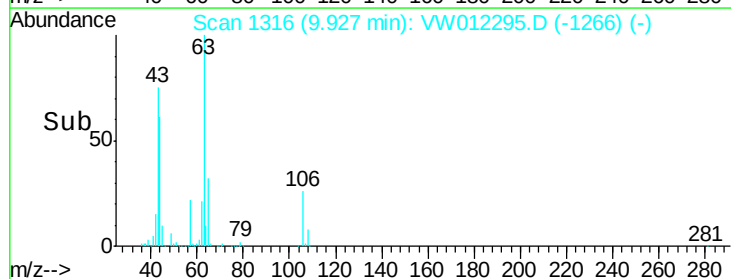
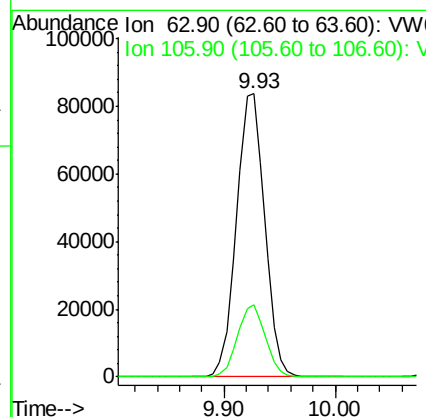
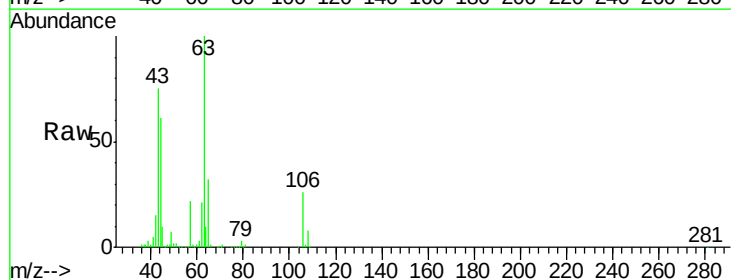
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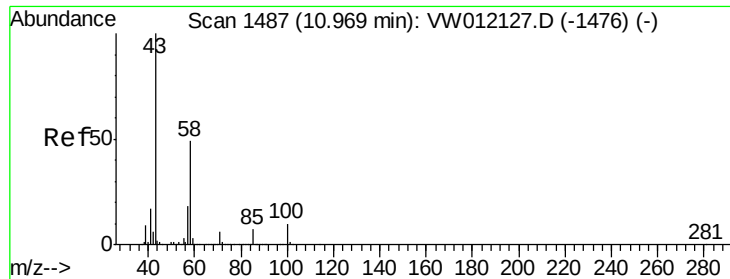
MMDadoda
 8/30/2019 11:41:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.375 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion: 63 Resp: 147237
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





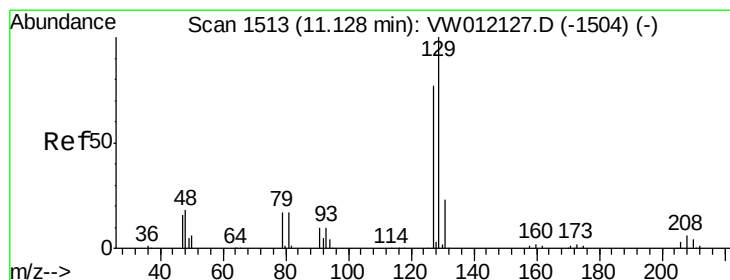
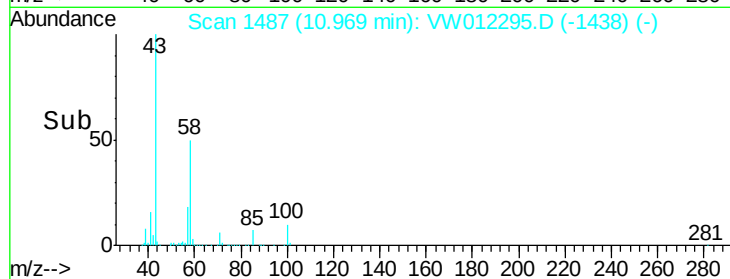
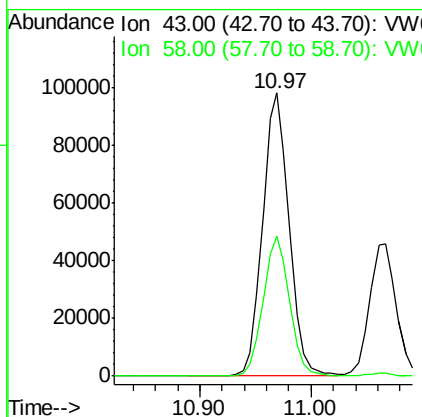
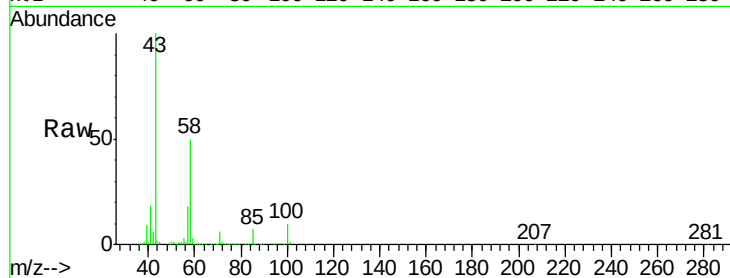
#59
2-Hexanone
Concen: 117.551 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.3	72.9

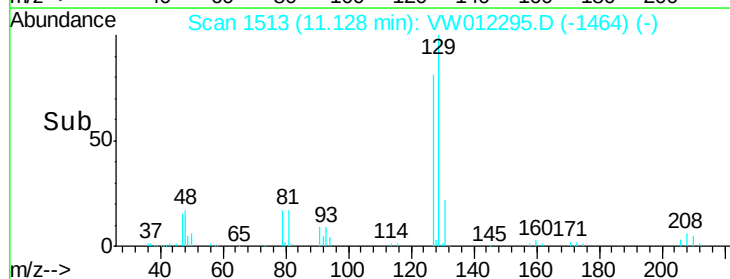
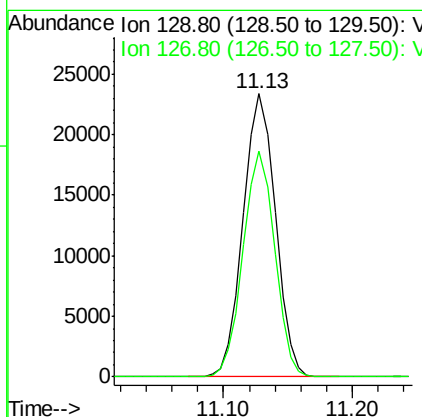
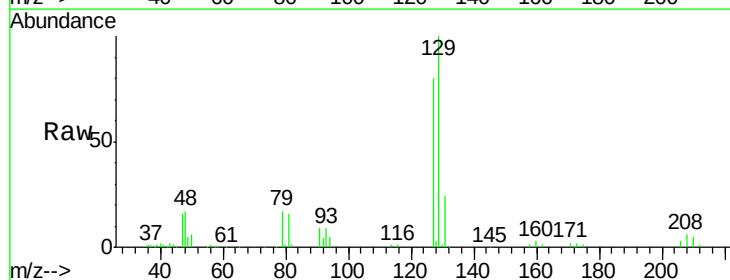
Manual Integrations
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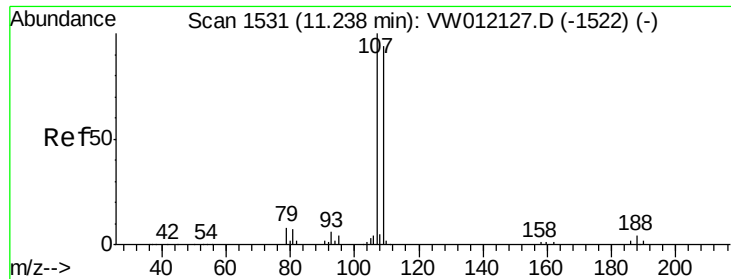
MMDadoda
8/30/2019 11:41:22 AM



#60
Dibromochloromethane
Concen: 20.866 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 21.901 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 107 Resp: 35790

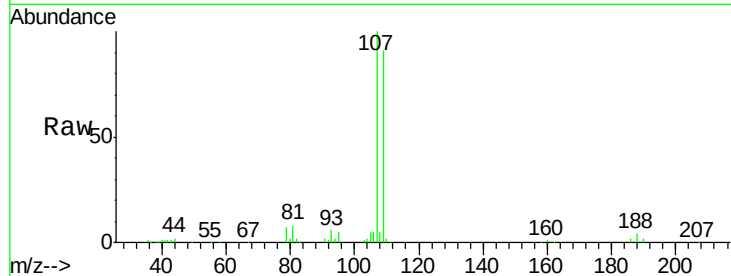
Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

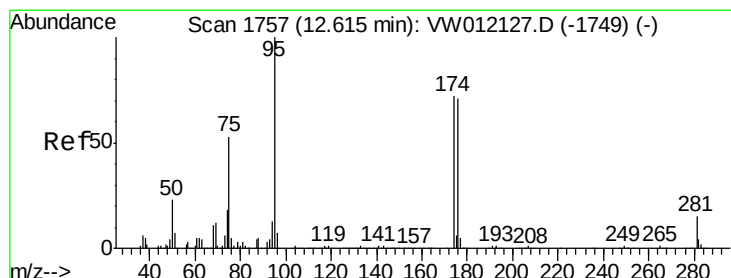
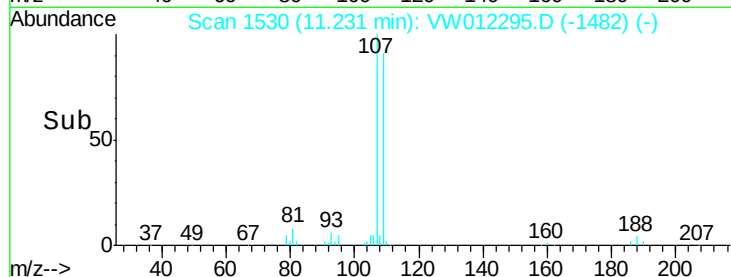
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 50.664 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

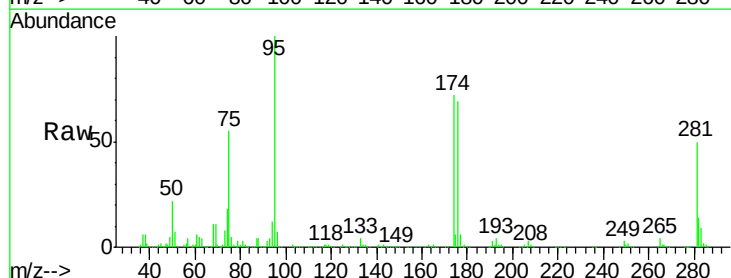
Tgt Ion: 95 Resp: 158597

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.8

176 73.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

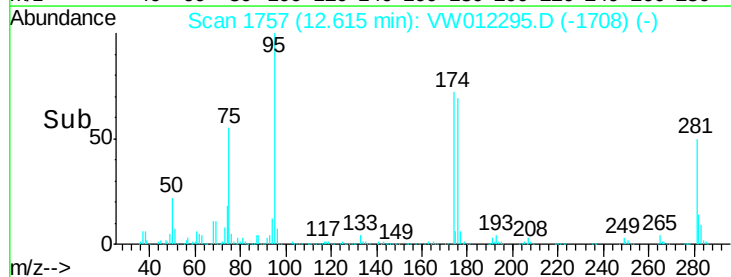
60000

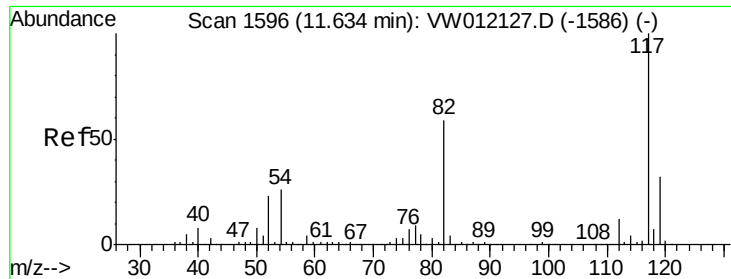
40000

20000

0

Time--> 12.55 12.60 12.65 12.70





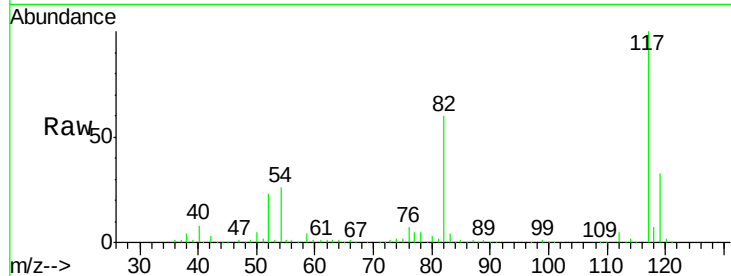
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.4	71.2
119	32.8	25.4	38.2

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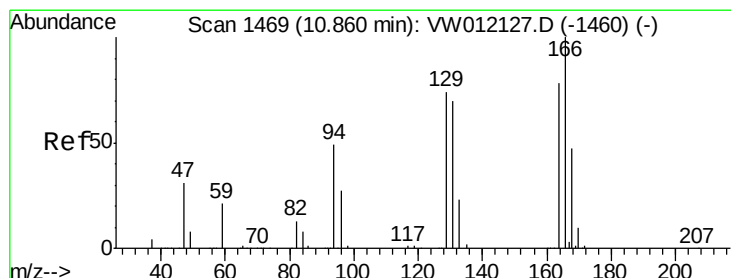
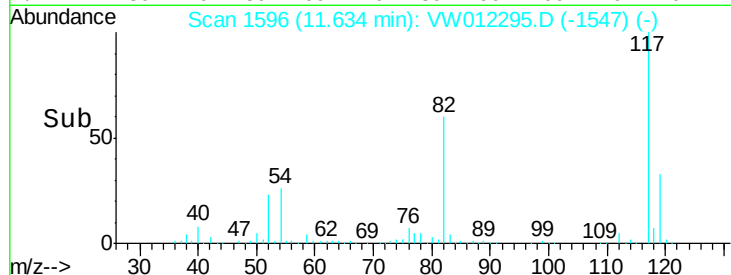
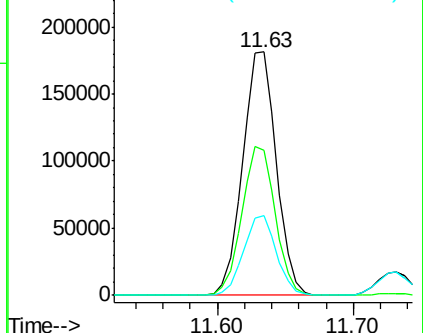


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.245 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.4	153.6
129	95.6	75.8	113.6
131	88.5	71.4	107.2

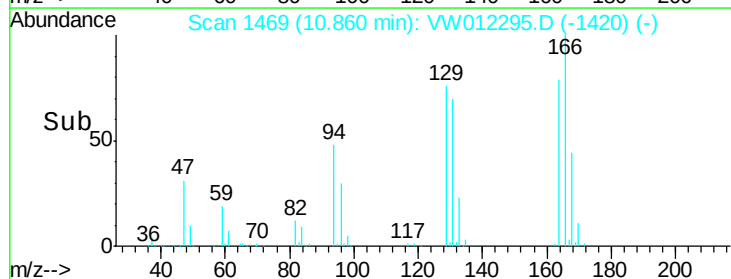
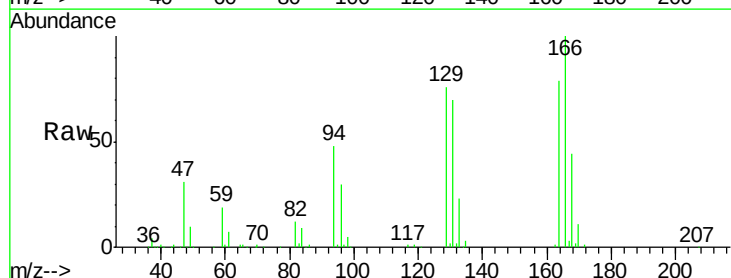
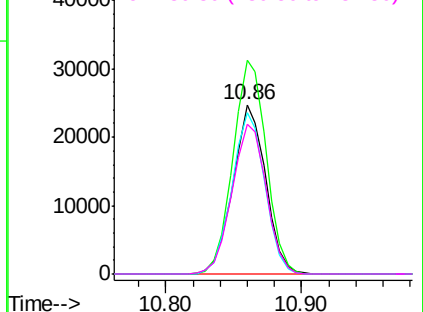
Abundance

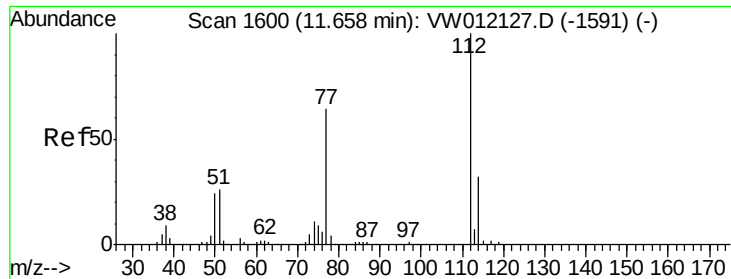
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





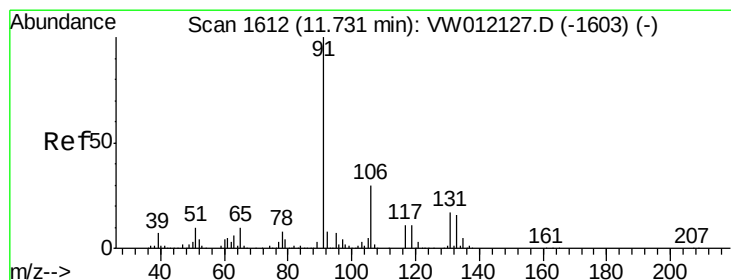
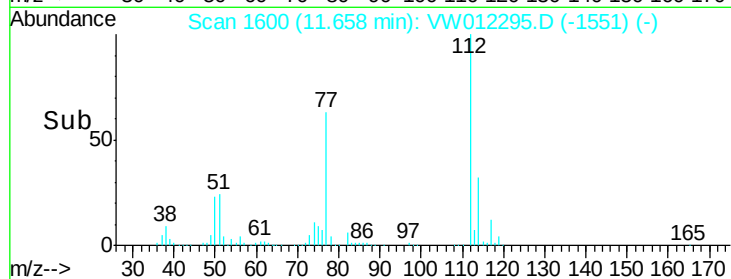
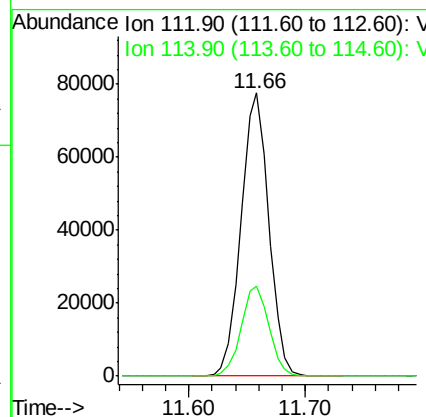
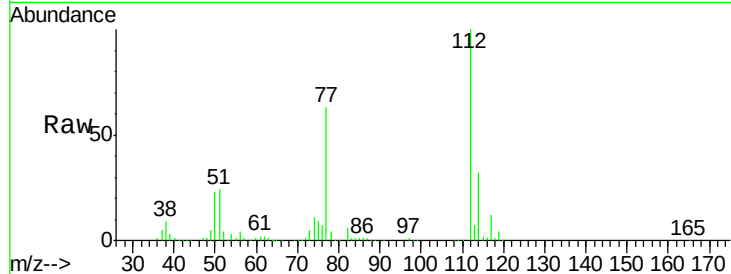
#65
Chlorobenzene
Concen: 20.881 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBSD01

Tot Ion:112 Resp: 129140
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

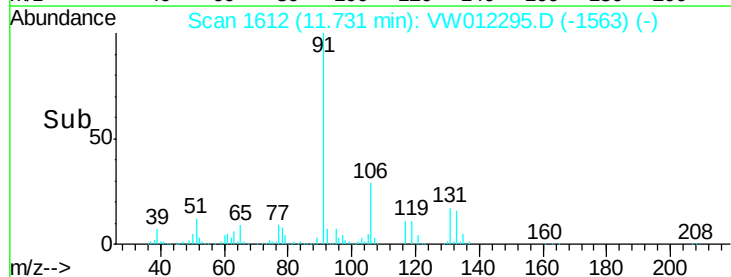
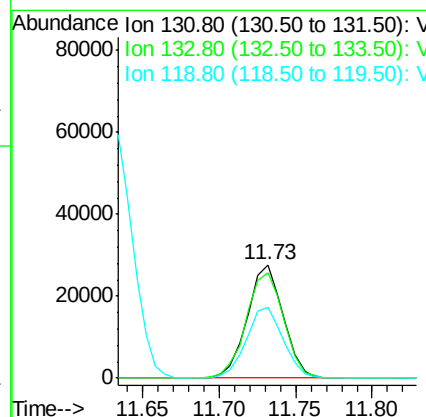
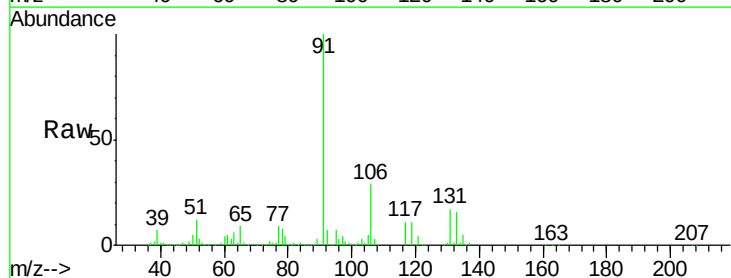
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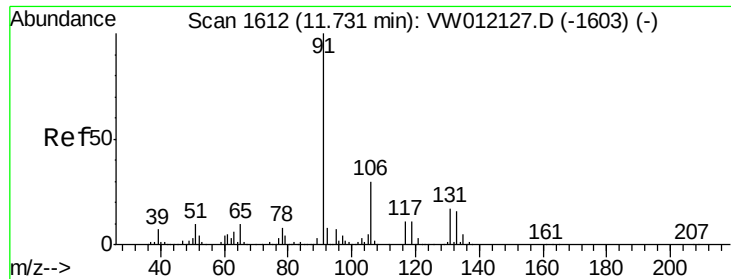
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.815 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion:131 Resp: 44909
Ion Ratio Lower Upper
131 100
133 97.7 47.1 141.3
119 64.9 31.8 95.3





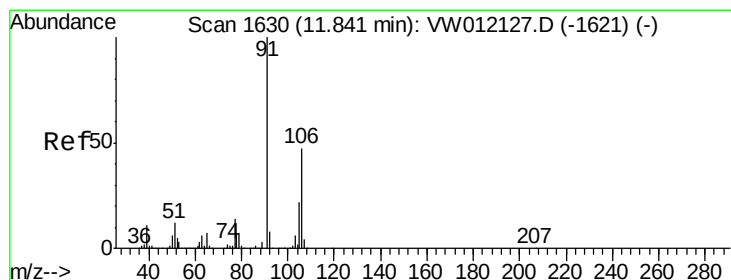
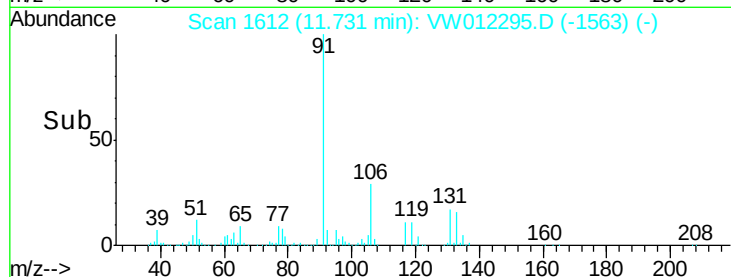
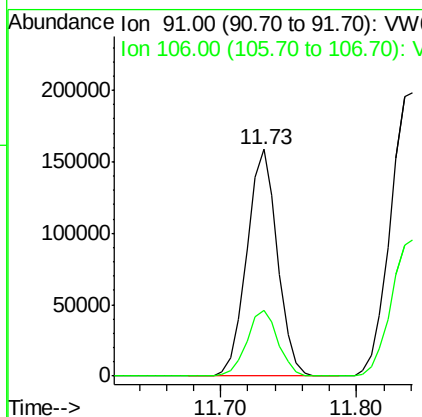
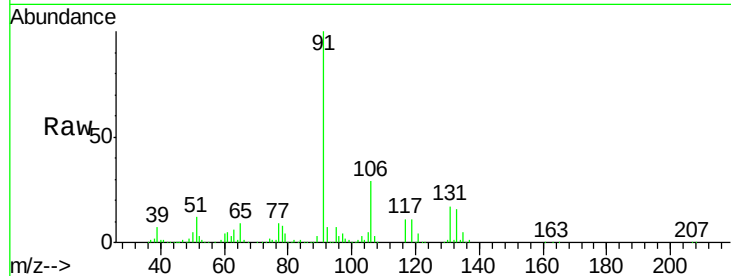
#67
Ethyl Benzene
Concen: 20.932 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

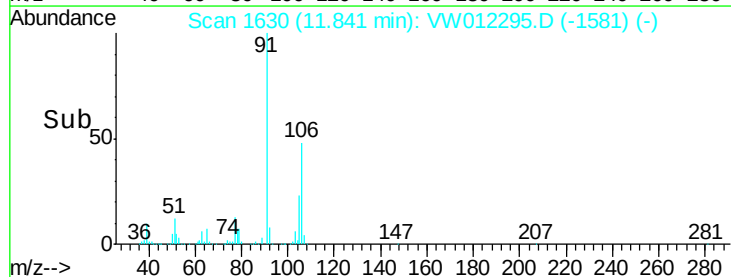
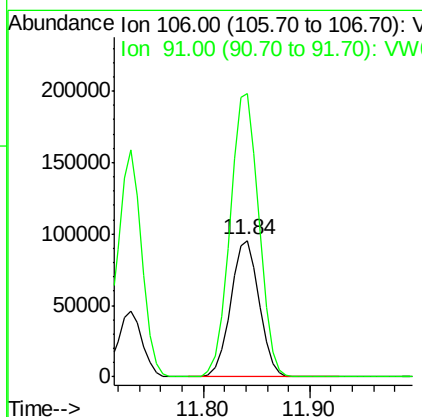
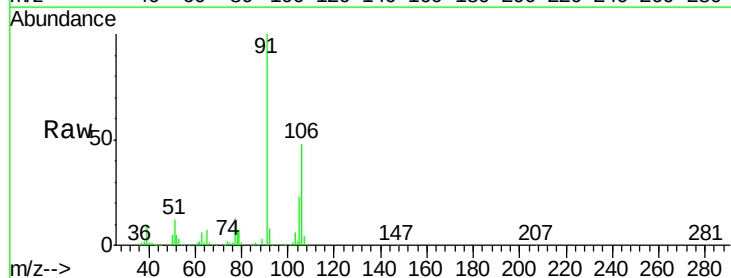
Manual Integrations
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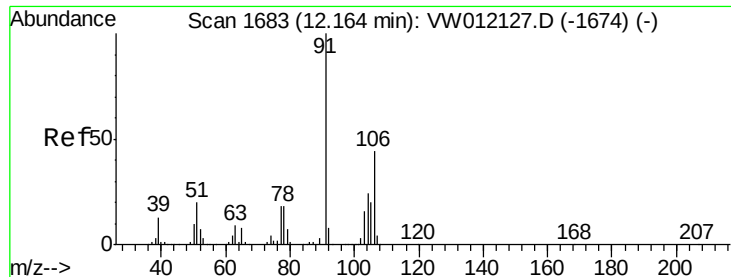
MMDadoda
8/30/2019 11:41:22 AM



#68
m/p-Xylenes
Concen: 41.824 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.8	169.5	254.3





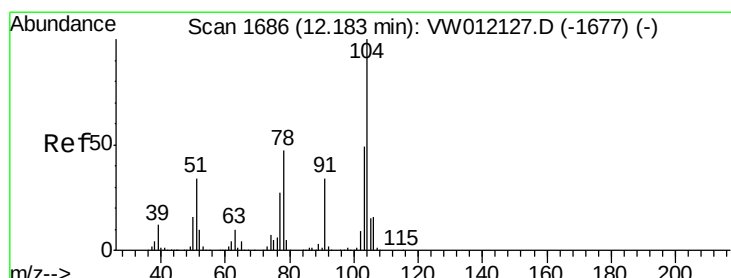
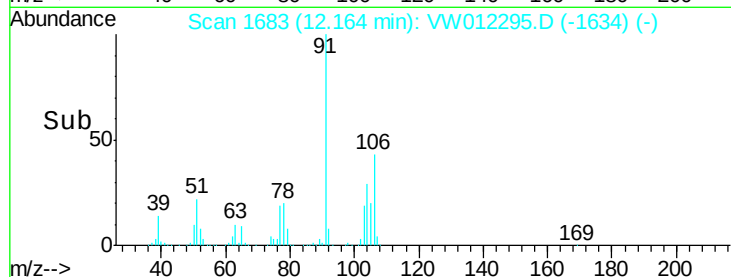
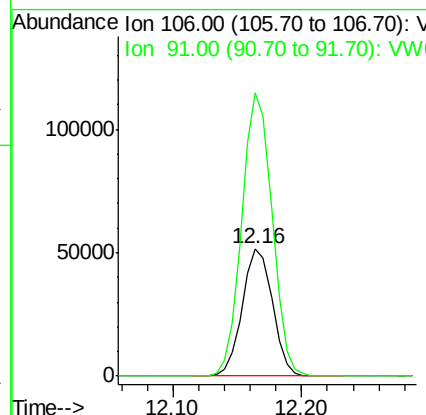
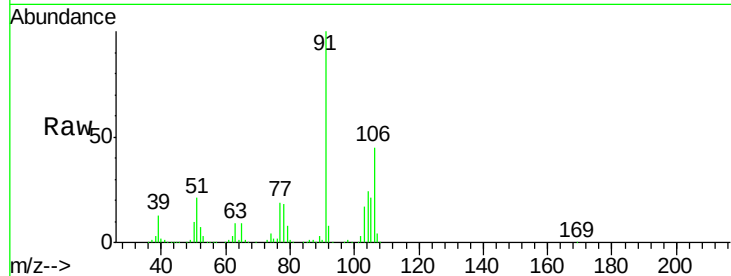
#69
o-Xylene
Concen: 21.068 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampled :
VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.8	111.6	334.6

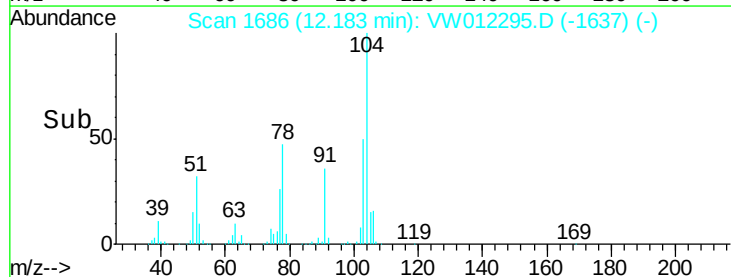
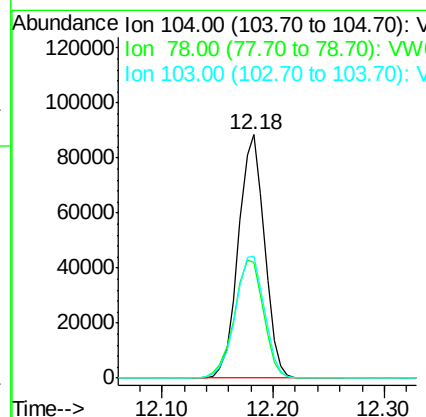
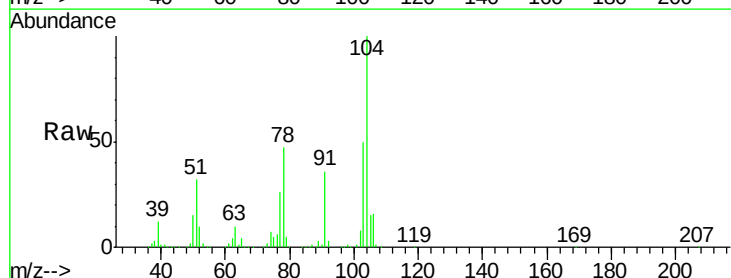
Manual Integrations
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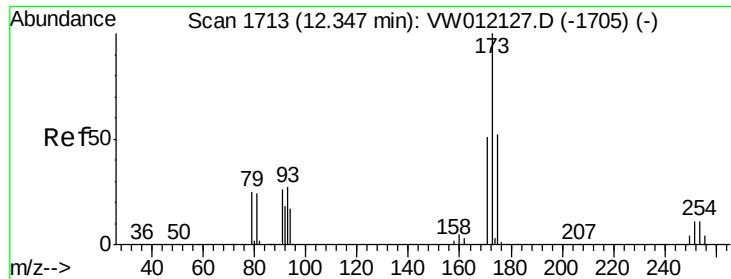
MMDadoda
8/30/2019 11:41:22 AM



#70
Styrene
Concen: 20.937 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.1	64.7
103	55.8	43.5	65.3





#71

Bromoform

Concen: 21.542 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

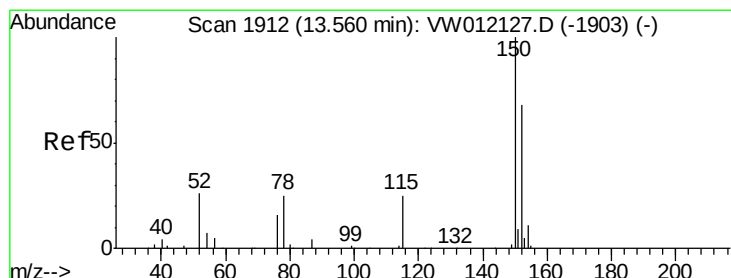
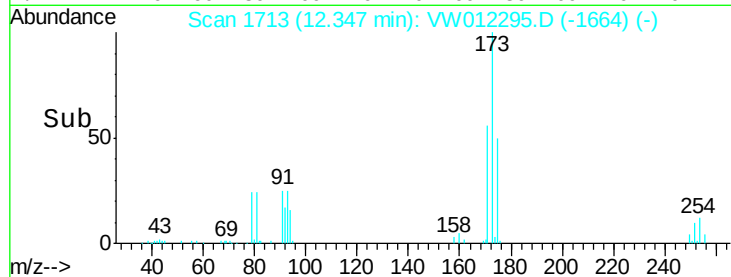
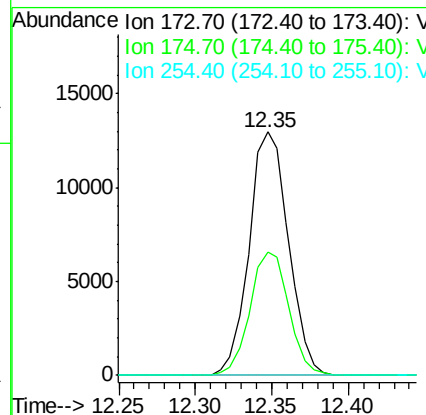
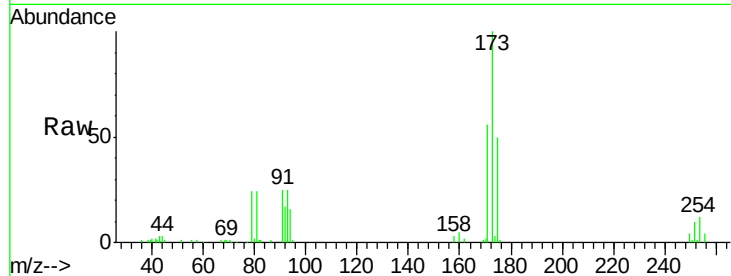
ClientSampleId :

VW0829SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	74.0
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

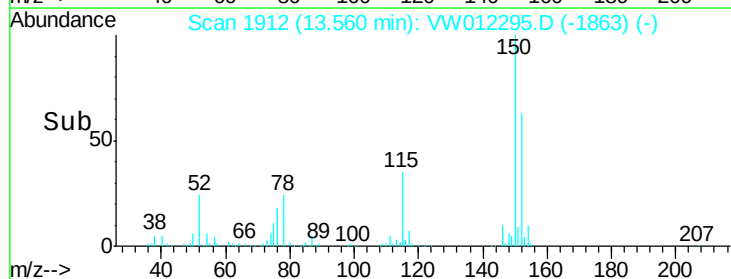
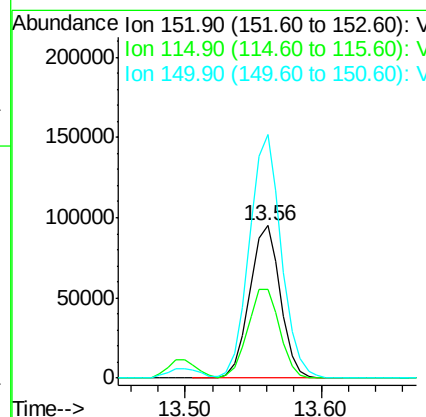
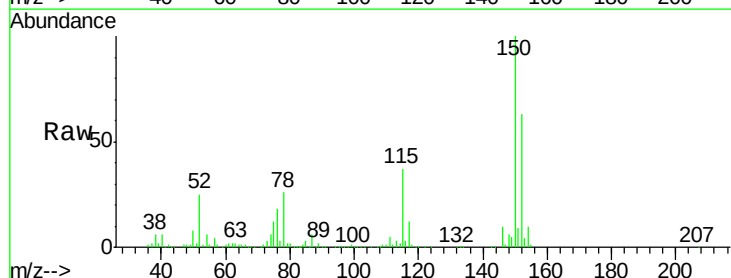
RT: 13.56 min Scan# 1912

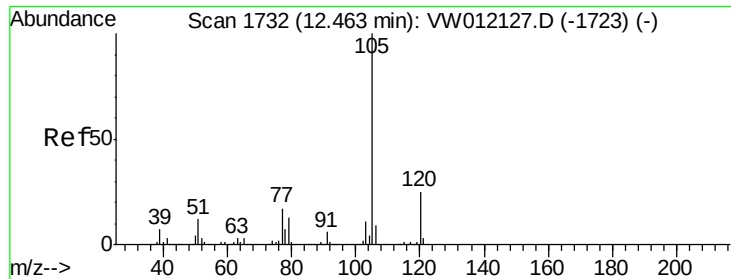
Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	165.2	0.0	345.8





#73

Isopropylbenzene

Concen: 21.077 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampled :

VW0829SBS01

Tot Ion:105 Resp: 237529

Ion Ratio Lower Upper

105 100

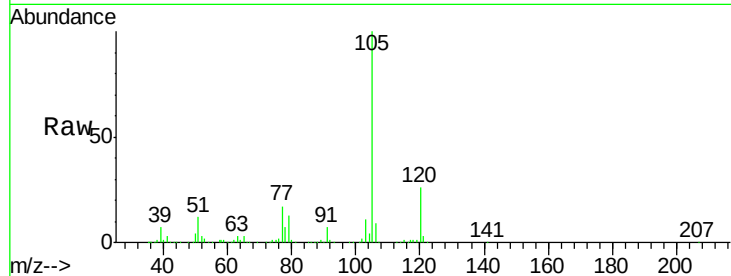
120 25.5 12.5 37.5

Manual Integrations

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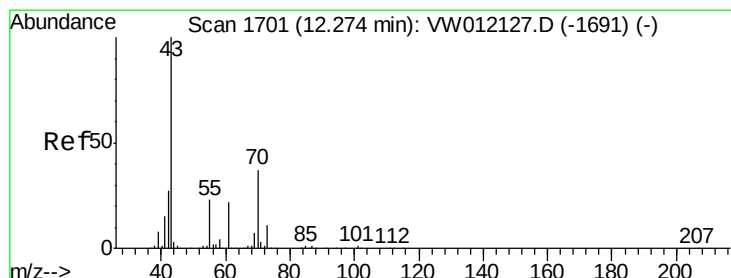
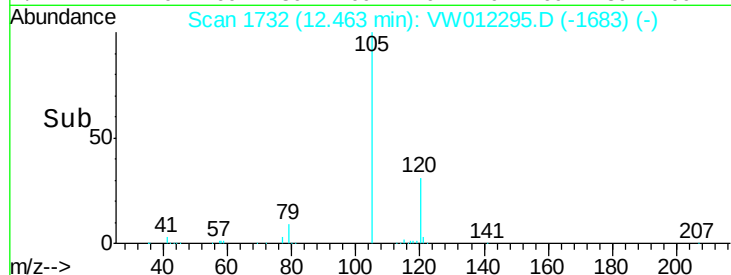
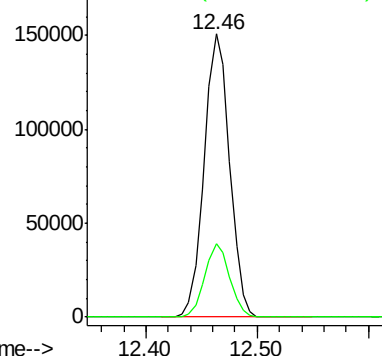
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.525 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion: 43 Resp: 80097

Ion Ratio Lower Upper

43 100

70 35.7 28.6 43.0

55 22.5 17.8 26.6

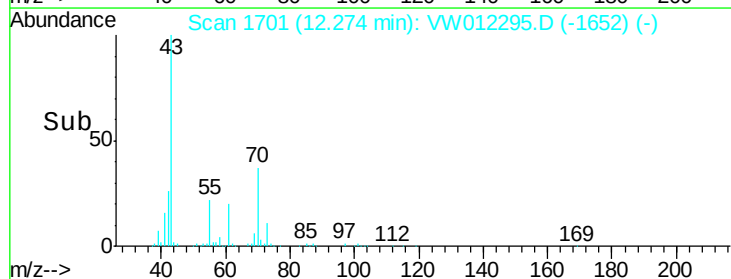
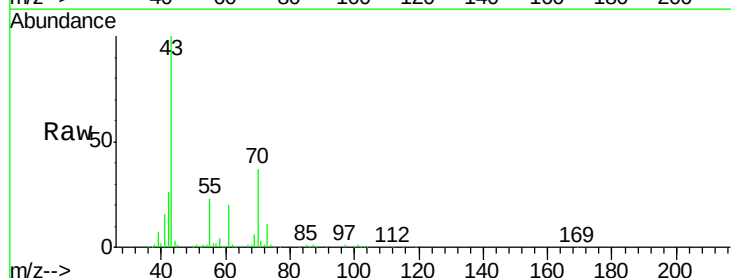
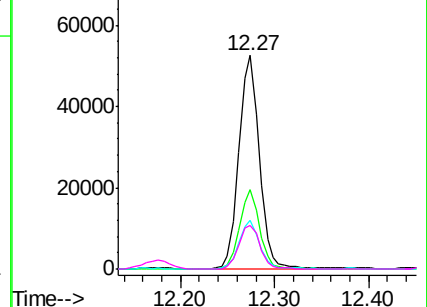
61 21.0 17.3 25.9

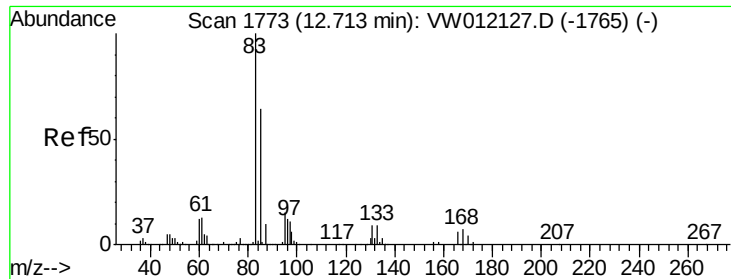
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 22.554 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

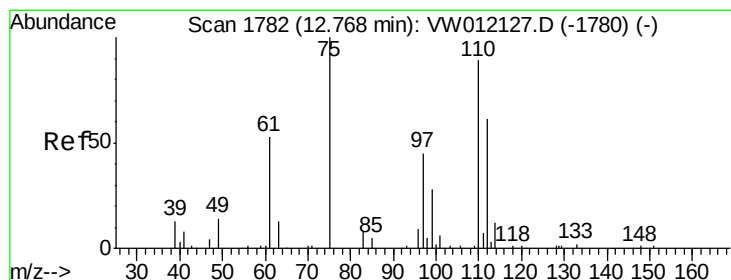
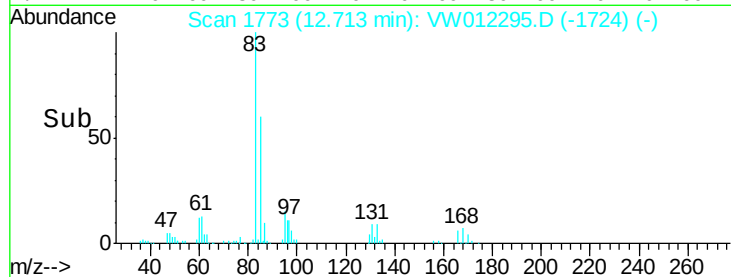
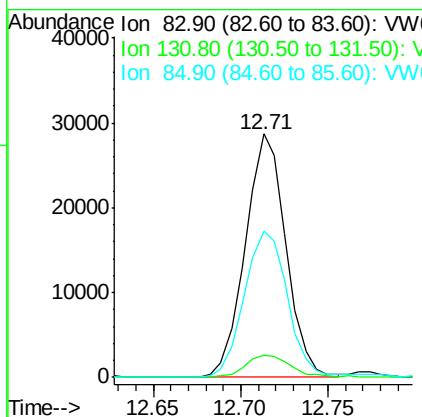
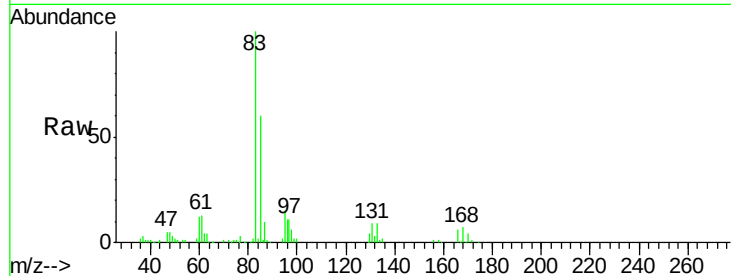
ClientSampleId :

VW0829SBSD01

Tot Ion:	83	Resp:	46598
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	63.8	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.993 ug/l m

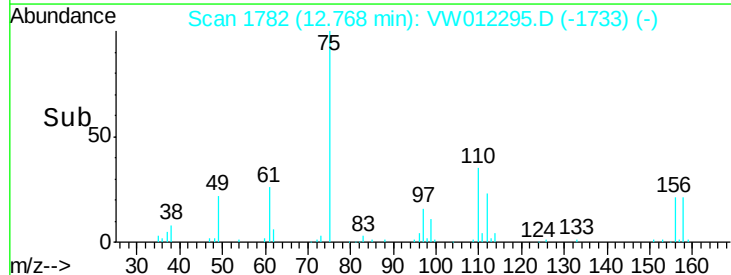
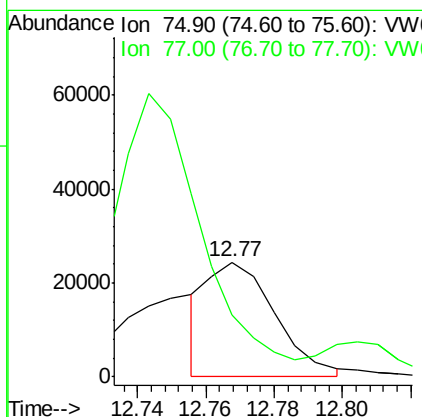
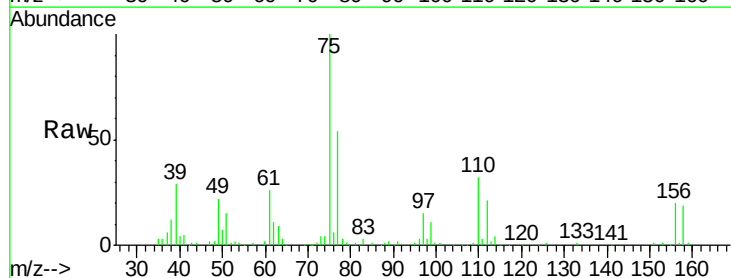
RT: 12.77 min Scan# 1782

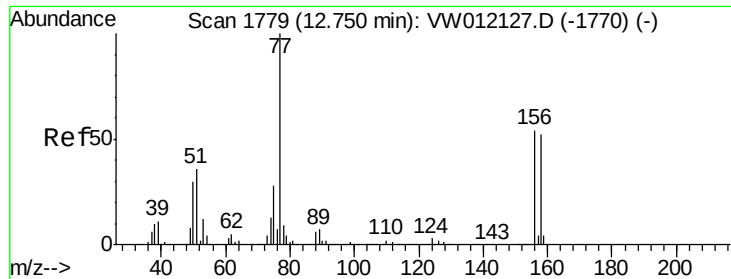
Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion:	75	Resp:	33679
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.301 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

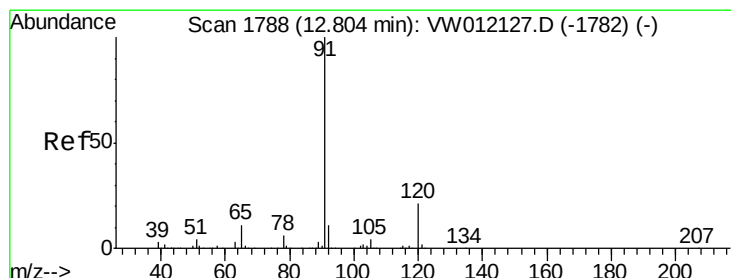
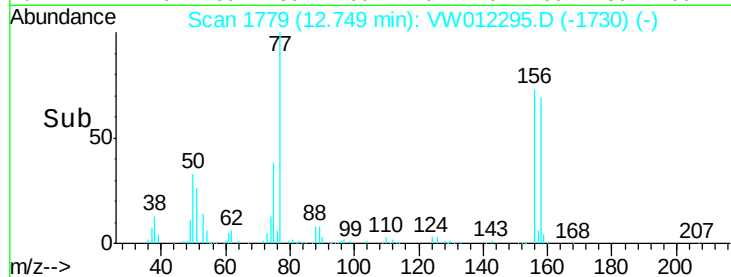
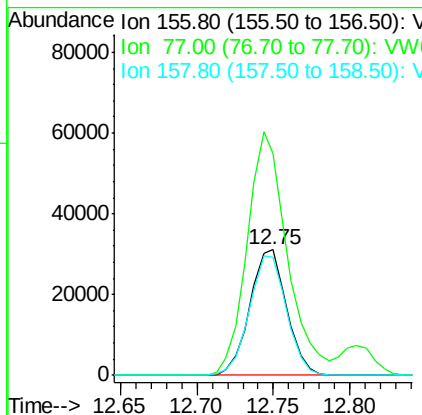
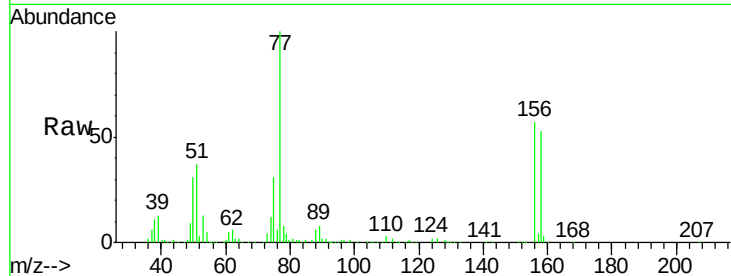
ClientSampleId :

VW0829SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.0	107.3	321.8
158	96.3	49.0	147.0

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#78

n-propylbenzene

Concen: 20.925 ug/l

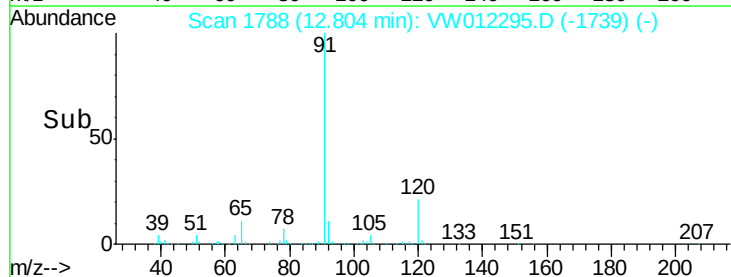
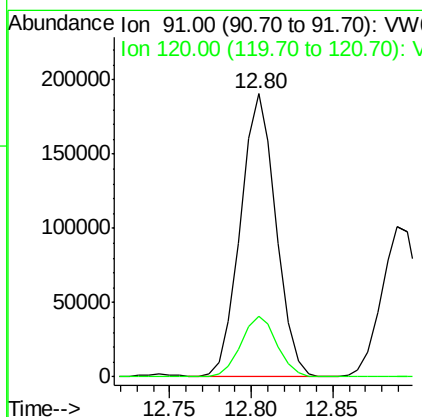
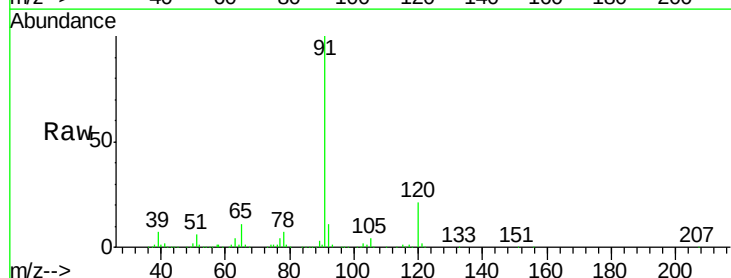
RT: 12.80 min Scan# 1788

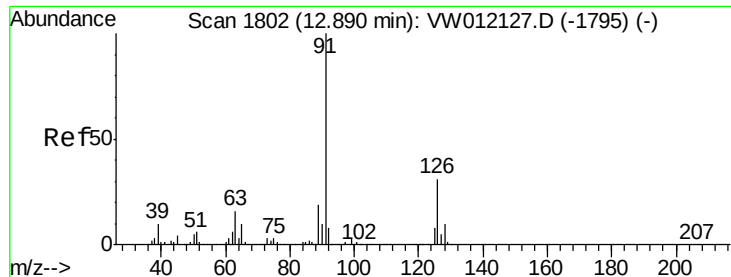
Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





#79

2-Chlorotoluene

Concen: 21.031 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS01

Tot Ion: 91 Resp: 164270

Ion Ratio Lower Upper

91 100

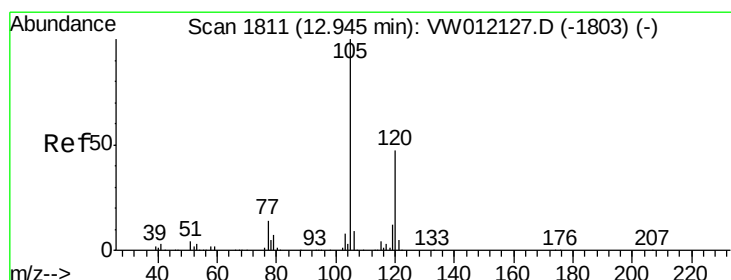
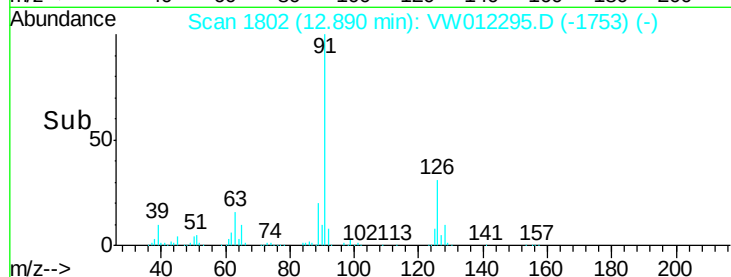
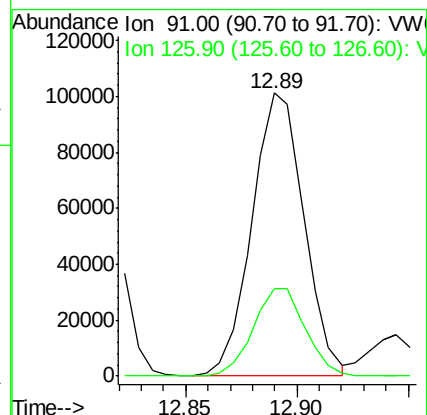
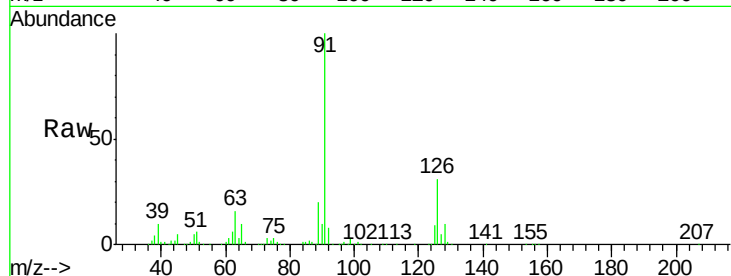
126 31.2 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.058 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012295.D

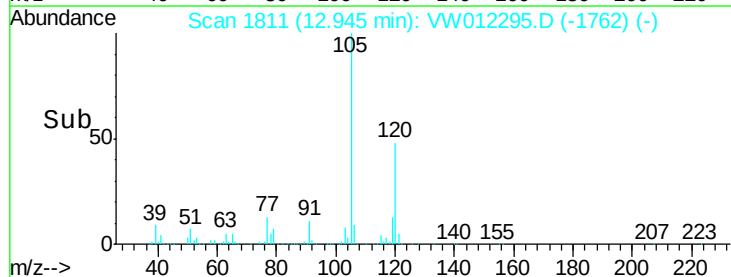
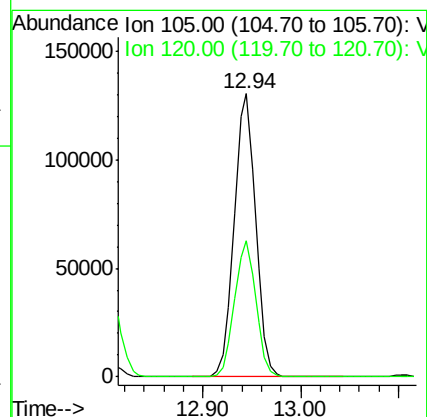
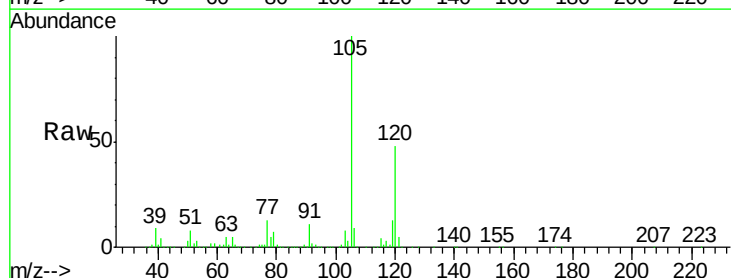
Acq: 29 Aug 2019 11:45

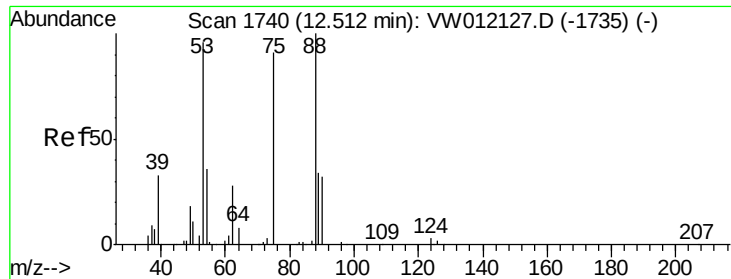
Tgt Ion: 105 Resp: 198302

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





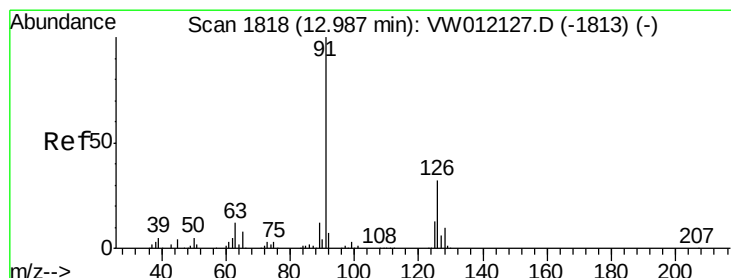
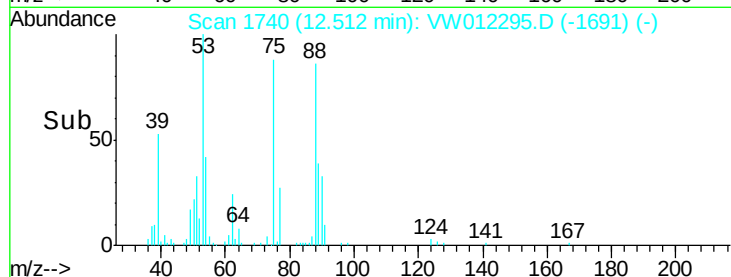
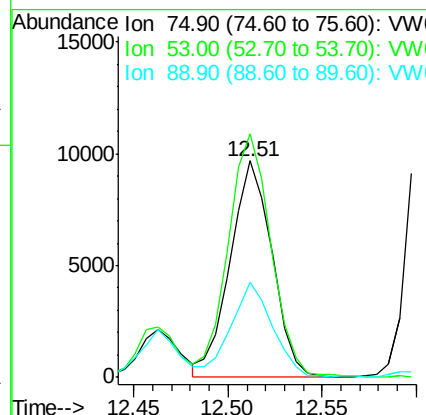
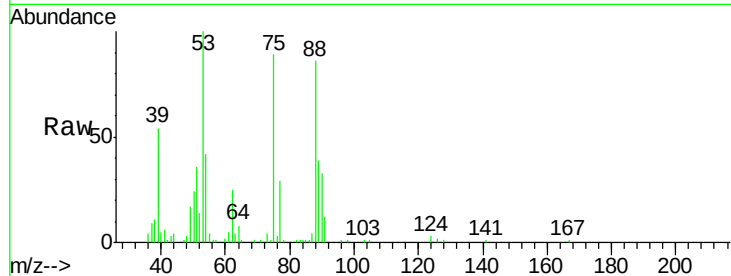
#81
trans-1,4-Dichloro-2-butene
Concen: 22.397 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.3	89.4	134.0
89	44.1	34.5	51.7

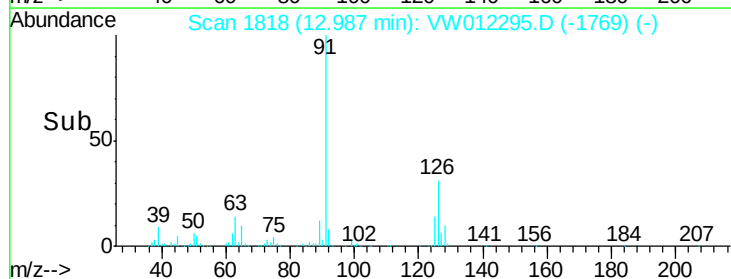
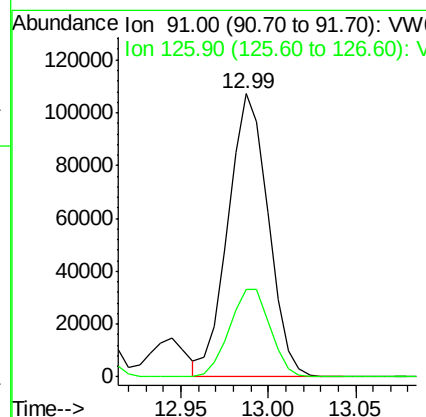
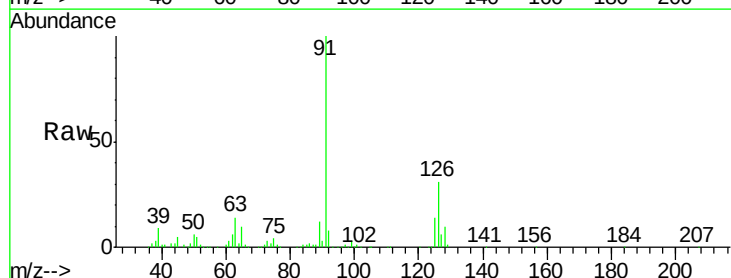
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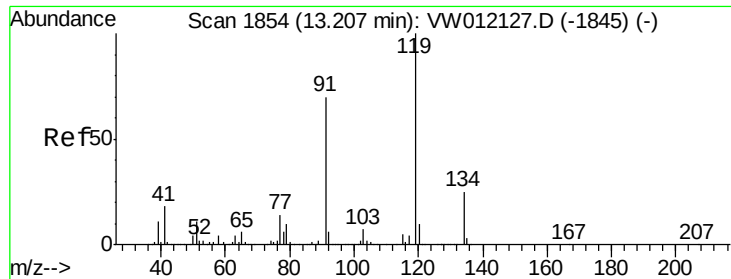
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.853 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





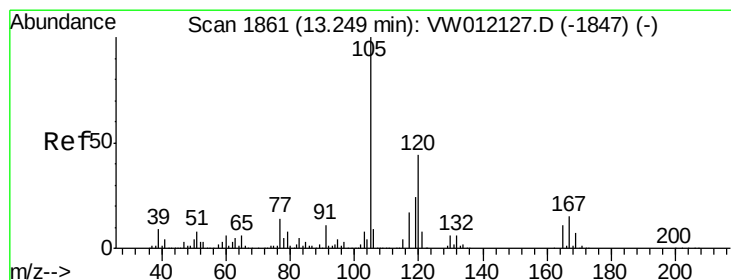
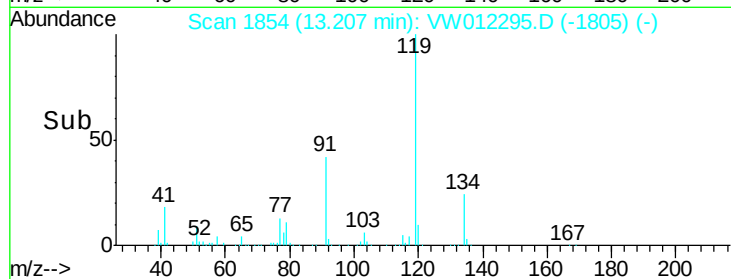
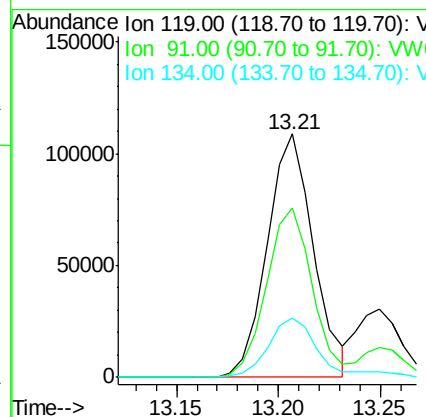
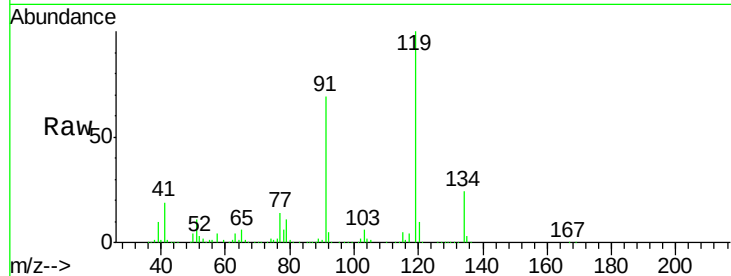
#83
tert-Butylbenzene
Concen: 21.482 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	26.6	13.3	39.8

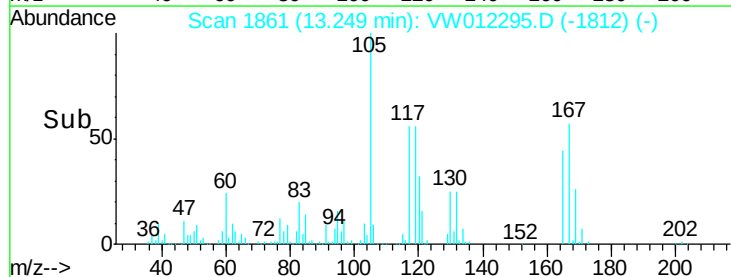
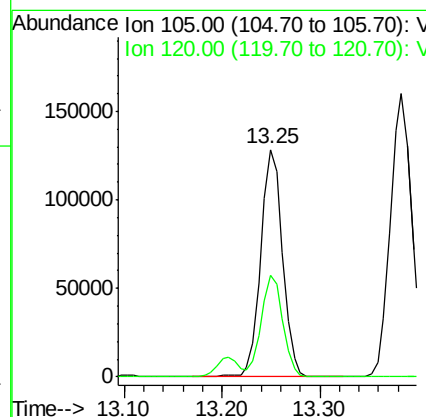
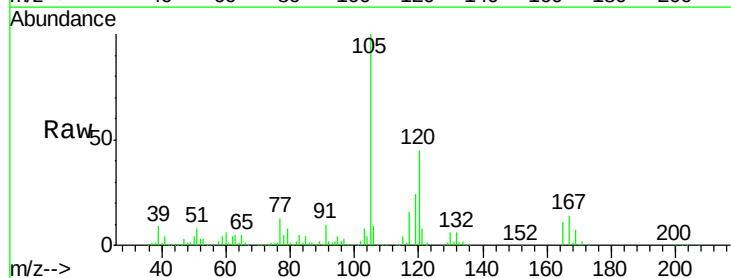
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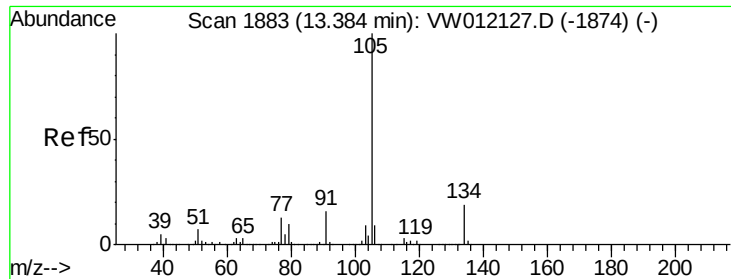
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#84
1,2,4-Trimethylbenzene
Concen: 21.101 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 21.349 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

ClientSampled :

VW0829SBS01

Tot Ion:105 Resp: 243980

Ion Ratio Lower Upper

105 100

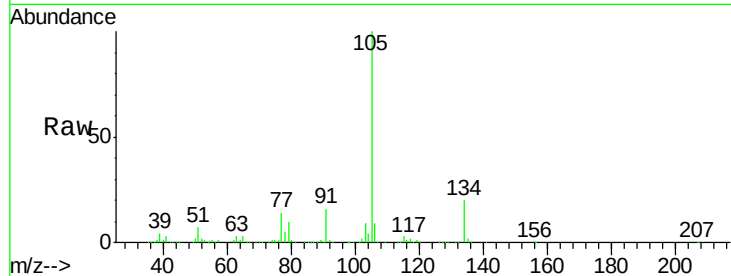
134 19.0 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

150000

100000

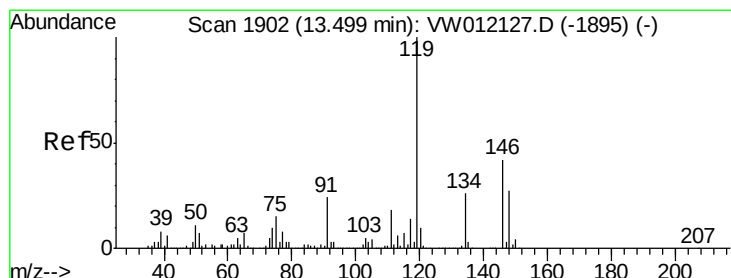
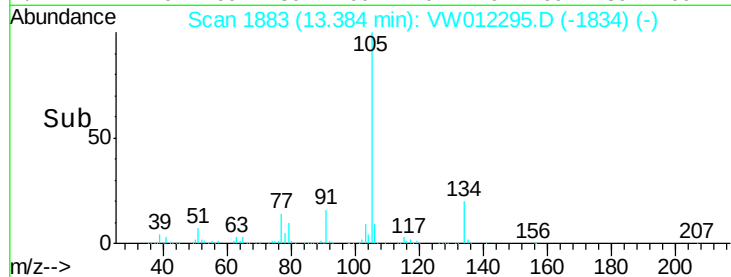
50000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 21.353 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

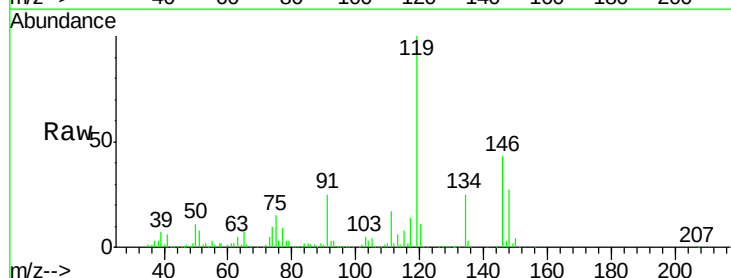
Tgt Ion:119 Resp: 217929

Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.3

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

13.50

200000

150000

100000

50000

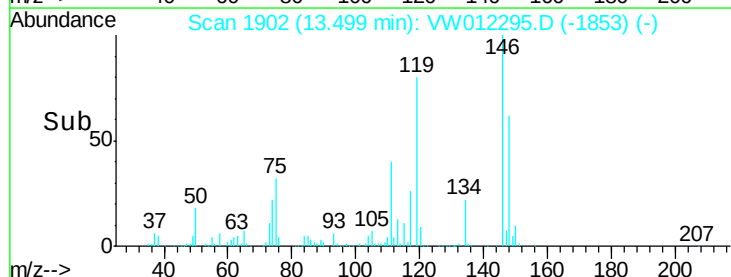
0

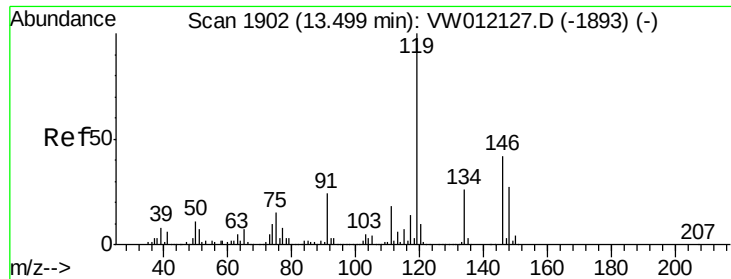
Time-->

13.45

13.50

13.55





#87

1,3-Dichlorobenzene

Concen: 20.999 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Instrument :

MSVOA_W

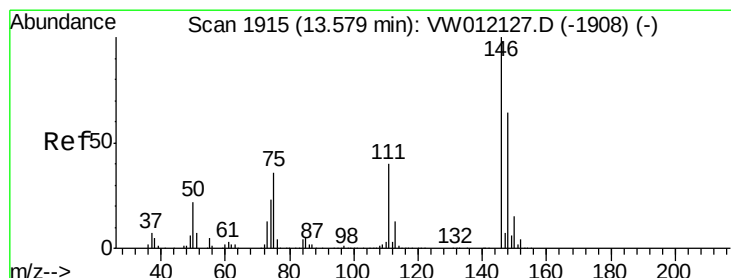
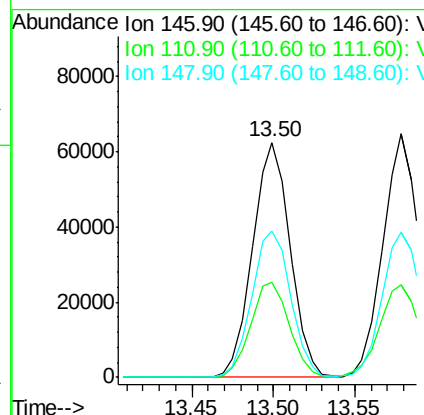
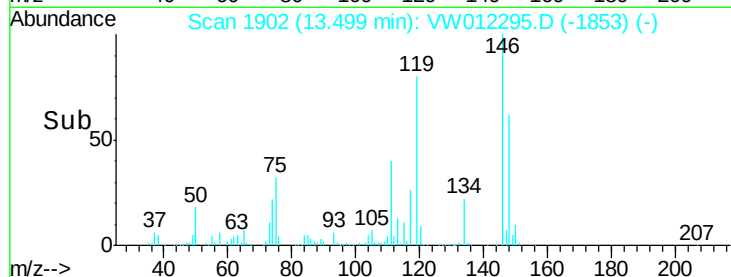
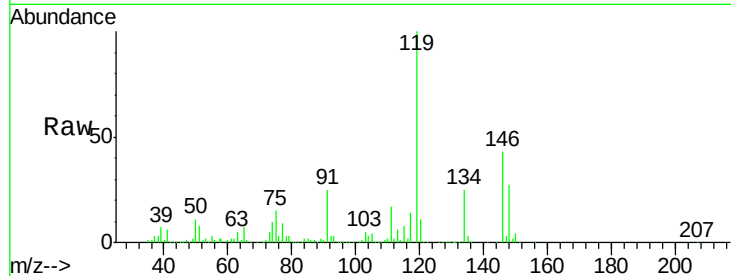
ClientSampleId :

VW0829SBSD01

Tot Ion:	146	Resp:	100136
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.9	62.7
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.200 ug/l

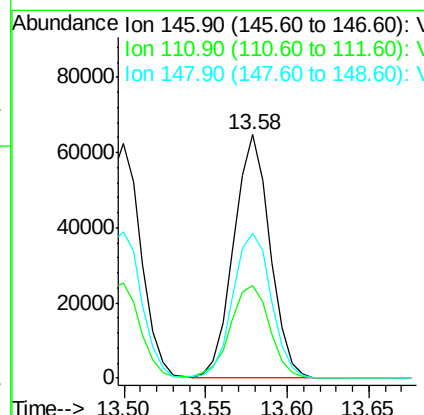
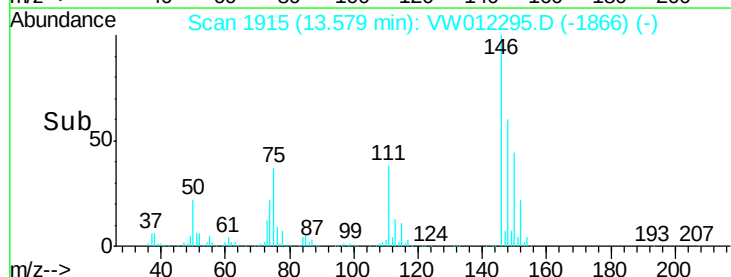
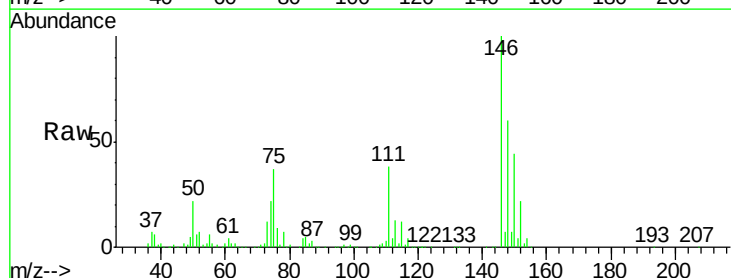
RT: 13.58 min Scan# 1915

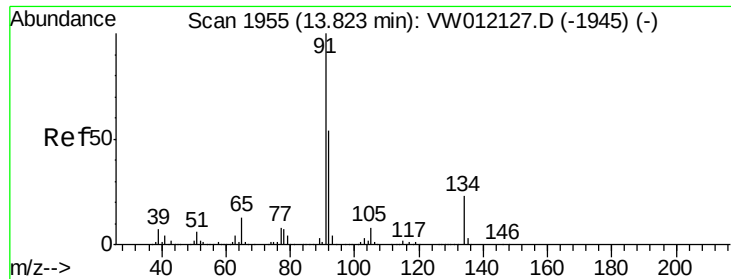
Delta R.T. -0.00 min

Lab File: VW012295.D

Acq: 29 Aug 2019 11:45

Tgt Ion:	146	Resp:	100381
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.0	60.0
148	63.3	32.1	96.3





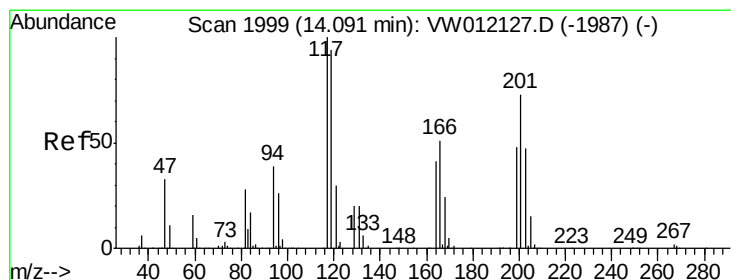
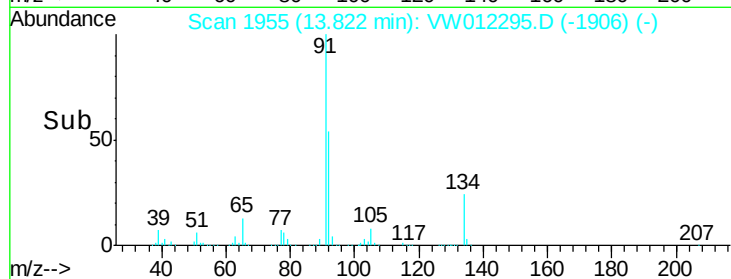
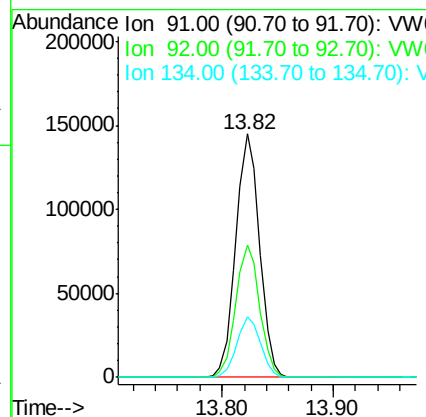
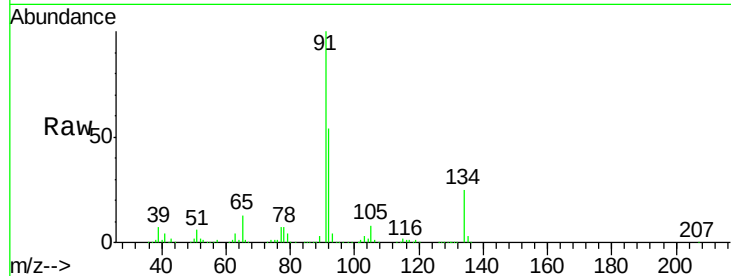
#89
n-Butylbenzene
Concen: 21.183 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	214992		
92	54.2		27.1	81.2
134	24.6		12.2	36.4

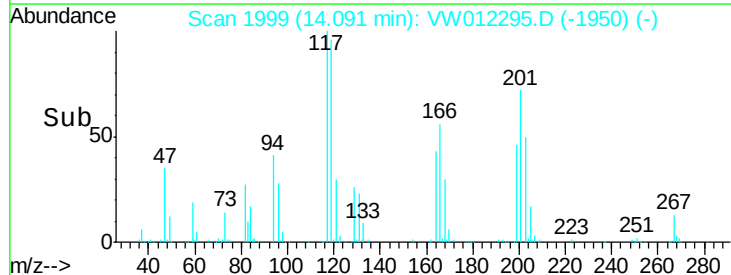
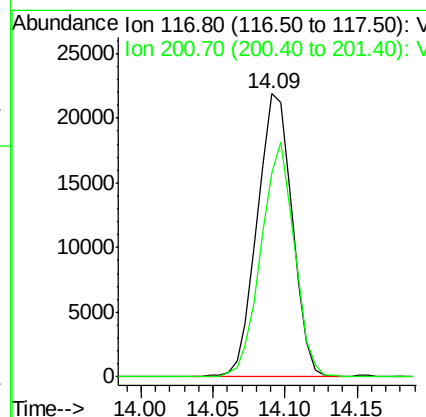
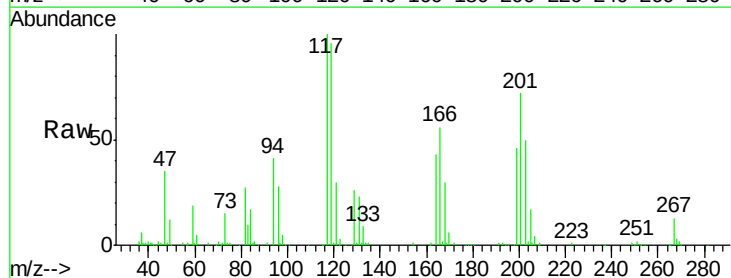
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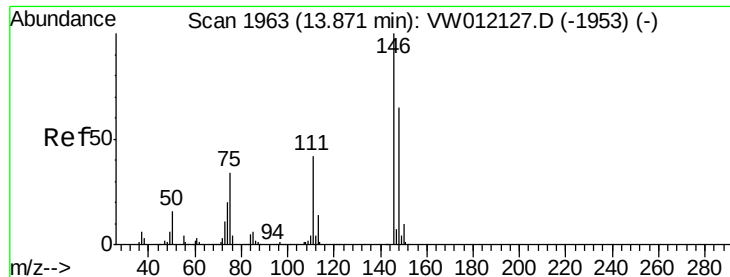
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#90
Hexachloroethane
Concen: 20.514 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36732		
201	78.6		38.6	115.7





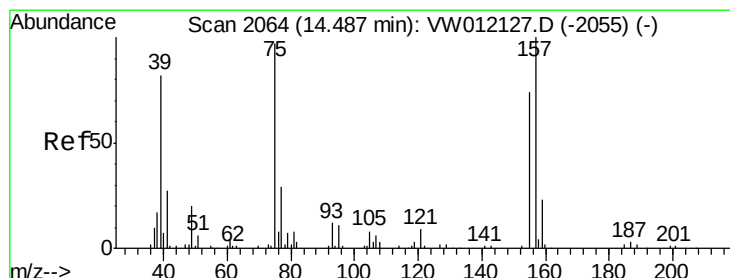
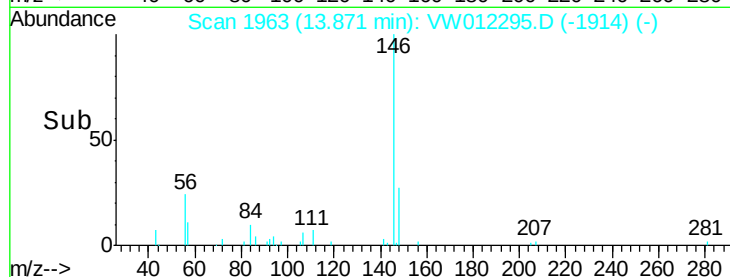
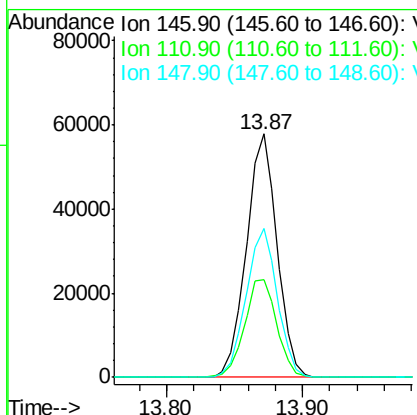
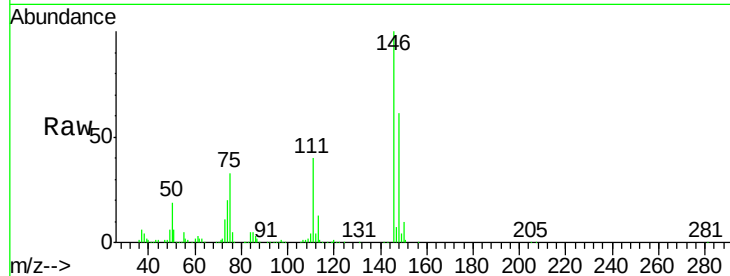
#91
 1,2-Dichlorobenzene
 Concen: 21.847 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	62.2	32.5	97.4

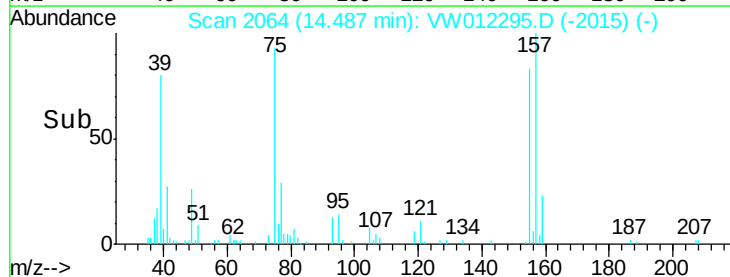
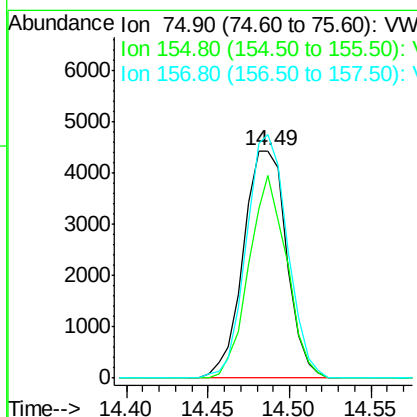
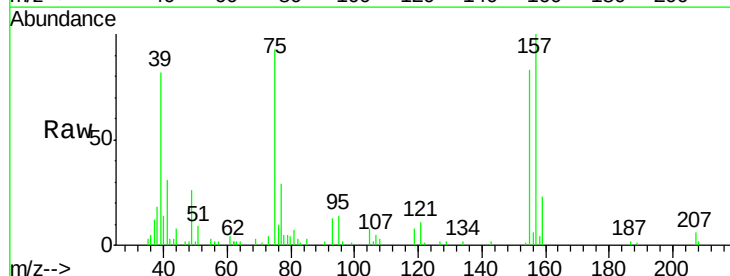
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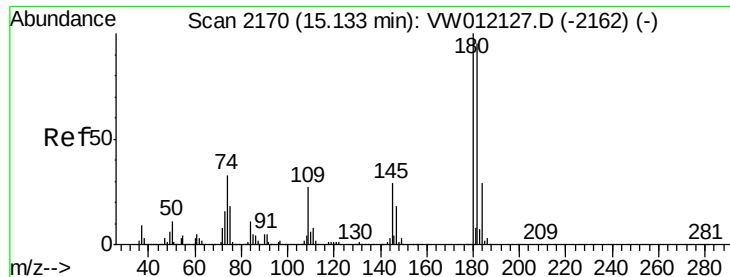
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 8/30/2019 11:41:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.552 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	37.5	112.3
157	101.5	50.5	151.5





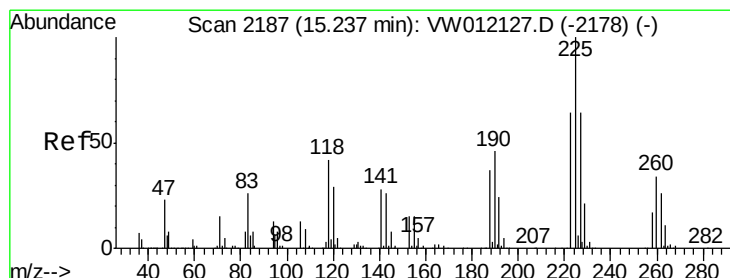
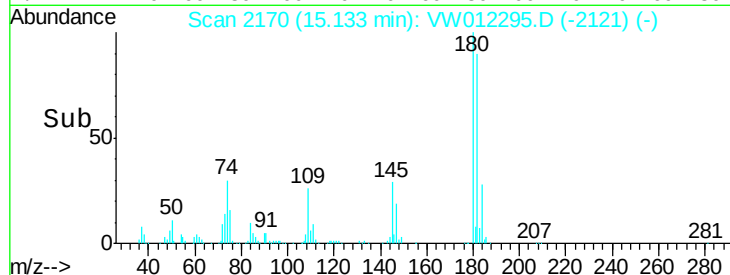
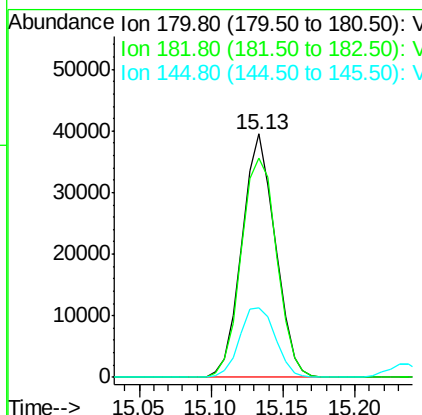
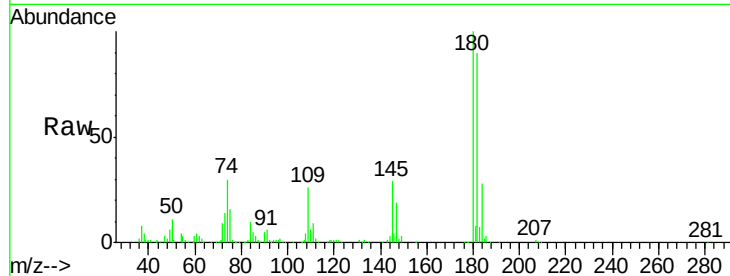
#93
 1,2,4-Trichlorobenzene
 Concen: 21.994 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63585		
182	96.3		47.8	143.4
145	30.8		15.0	45.1

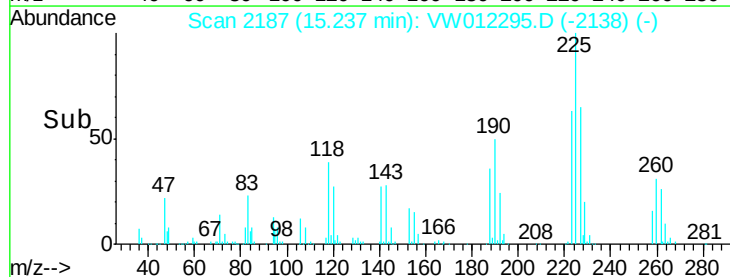
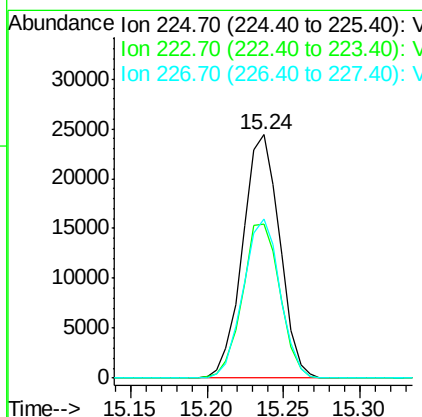
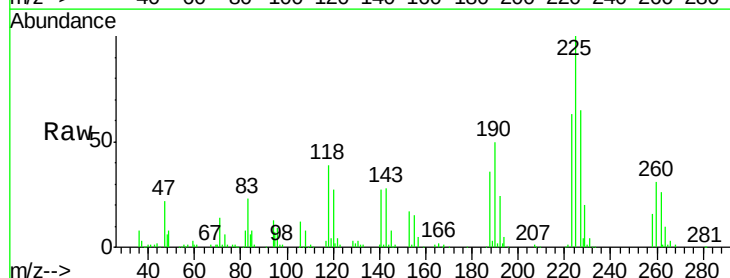
Manual Integrations
 APPROVED

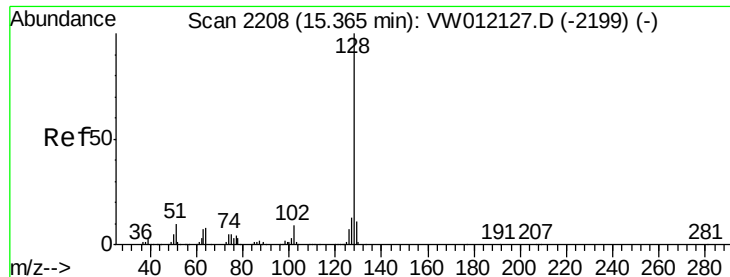
MMDadoda
 8/30/2019 11:41:22 AM



#94
 Hexachlorobutadiene
 Concen: 21.578 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012295.D
 Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41191		
223	64.0		32.3	96.8
227	64.8		32.9	98.6





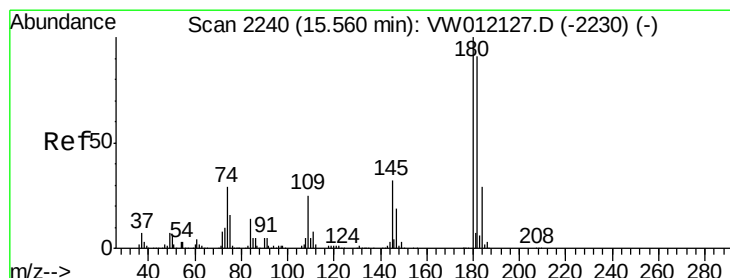
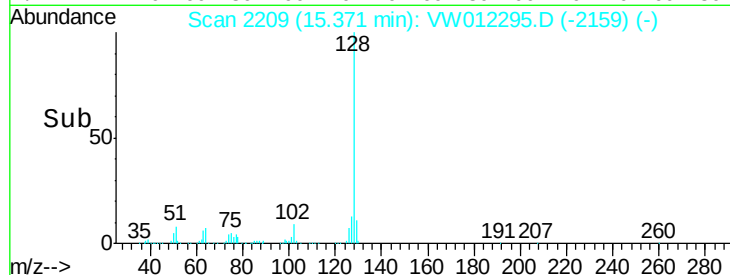
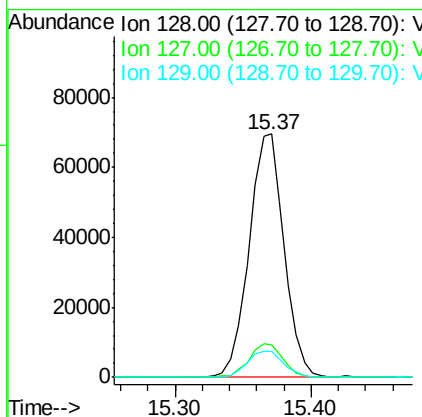
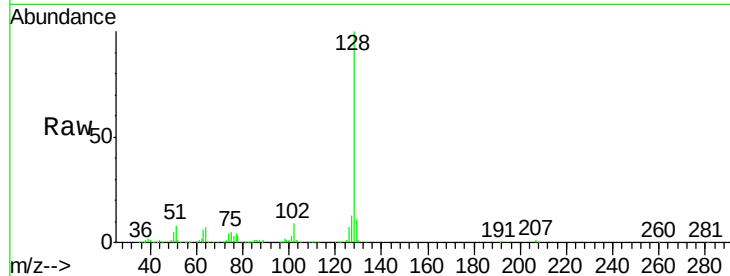
#95
Naphthalene
Concen: 24.450 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	124990		
127	13.6		10.7	16.1
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.730 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012295.D
Acq: 29 Aug 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57332		
182	95.1		47.1	141.3
145	32.1		16.2	48.5

