

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014002.D
 Acq On : 13 Nov 2019 13:14
 Operator : SY/VA
 Sample : VW1113SBS01
 Misc : 6.87G/5.0ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:50:12 AM

Quant Time: Nov 14 06:40:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118705	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	116495	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.32	98	474735	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.62	95	162493	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30446	20.474	ug/l	98
3) Chloromethane	2.21	50	29995	18.769	ug/l	94
4) Vinyl Chloride	2.36	62	52013	21.551	ug/l	95
5) Bromomethane	2.76	94	31700	19.971	ug/l	91
6) Chloroethane	2.92	64	29674	20.319	ug/l	98
7) Trichlorofluoromethane	3.25	101	29608	19.641	ug/l	100
8) Diethyl Ether	3.68	74	24464	20.087	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	51050	20.831	ug/l	99
10) Methyl Iodide	4.28	142	76565	19.172	ug/l	99
11) Tert butyl alcohol	5.16	59	19344	153.032	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	51598	20.383	ug/l	99
13) Acrolein	3.89	56	13325	92.012	ug/l	99
14) Allyl chloride	4.67	41	76154	19.564	ug/l	99
15) Acrylonitrile	5.35	53	60382	121.926	ug/l	99
16) Acetone	4.12	43	50835	113.229	ug/l #	88
17) Carbon Disulfide	4.39	76	147985	20.355	ug/l	100
18) Methyl Acetate	4.66	43	30748	24.984	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	63232	20.815	ug/l	97
20) Methylene Chloride	4.92	84	58140	20.760	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	52873	19.406	ug/l	98
22) Diisopropyl ether	6.30	45	141594	19.942	ug/l	92
23) Vinyl Acetate	6.25	43	438600	106.459	ug/l	100
24) 1,1-Dichloroethane	6.21	63	88495	19.680	ug/l	99
25) 2-Butanone	7.17	43	80083	124.071	ug/l	97
26) 2,2-Dichloropropane	7.16	77	54098	20.805	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	56011	19.355	ug/l	96
28) Bromochloromethane	7.51	49	25774	16.996	ug/l #	98
29) Tetrahydrofuran	7.52	42	51298	128.371	ug/l	98
30) Chloroform	7.67	83	91358	20.552	ug/l	99
31) Cyclohexane	7.95	56	92215	19.595	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	71586	20.521	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75156	20.516	ug/l	99
37) Ethyl Acetate	7.25	43	35407	25.250	ug/l	99
38) Carbon Tetrachloride	8.07	117	68048	20.628	ug/l	94

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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	96438	20.386	ug/l	96
40) Benzene	8.32	78	205666	19.839	ug/l	100
41) Methacrylonitrile	7.48	41	20739	23.717	ug/l	94
42) 1,2-Dichloroethane	8.40	62	55657	21.305	ug/l	98
43) Isopropyl Acetate	8.42	43	63482	23.651	ug/l	98
44) Trichloroethene	9.09	130	58405	19.668	ug/l	96
45) 1,2-Dichloropropane	9.37	63	48855	19.730	ug/l	100
46) Dibromomethane	9.45	93	25579	21.283	ug/l	99
47) Bromodichloromethane	9.64	83	60939	19.596	ug/l	100
48) Methyl methacrylate	9.43	41	31168	23.416	ug/l	99
49) 1,4-Dioxane	9.45	88	10510	591.791	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	167766	125.781	ug/l	99
52) Toluene	10.38	92	135877	20.319	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63646	20.218	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	76889	19.797	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	37929	21.176	ug/l	97
56) Ethyl methacrylate	10.65	69	49634	22.149	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66457	21.621	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	118400	114.799	ug/l	100
59) 2-Hexanone	10.97	43	117548	127.837	ug/l	99
60) Dibromochloromethane	11.13	129	42965	20.203	ug/l	100
61) 1,2-Dibromoethane	11.23	107	36502	21.541	ug/l	100
64) Tetrachloroethene	10.86	164	51809	20.233	ug/l	95
65) Chlorobenzene	11.65	112	137526	19.969	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46702	19.430	ug/l	98
67) Ethyl Benzene	11.73	91	248906	20.043	ug/l	99
68) m/p-Xylenes	11.83	106	194713	40.582	ug/l	99
69) o-Xylene	12.16	106	88969	20.174	ug/l	97
70) Styrene	12.18	104	148005	19.533	ug/l	98
71) Bromoform	12.35	173	28115	22.290	ug/l #	100
73) Isopropylbenzene	12.46	105	250516	19.718	ug/l	99
74) N-amyl acetate	12.27	43	58151	23.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46191	23.039	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34077m	26.821	ug/l	
77) Bromobenzene	12.74	156	59839	19.716	ug/l	97
78) n-propylbenzene	12.80	91	294414	20.021	ug/l	99
79) 2-Chlorotoluene	12.89	91	160712	19.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209522	19.535	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15358	22.844	ug/l	100
82) 4-Chlorotoluene	12.99	91	171873	19.810	ug/l	98
83) tert-Butylbenzene	13.21	119	185819	19.518	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207870	19.648	ug/l	99
85) sec-Butylbenzene	13.38	105	258737	19.874	ug/l	100
86) p-Isopropyltoluene	13.49	119	242532	19.999	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	115341	19.614	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	114620	19.620	ug/l	99
89) n-Butylbenzene	13.82	91	218391	19.951	ug/l	100
90) Hexachloroethane	14.09	117	39764	18.865	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	103456	20.290	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7219	23.811	ug/l	96

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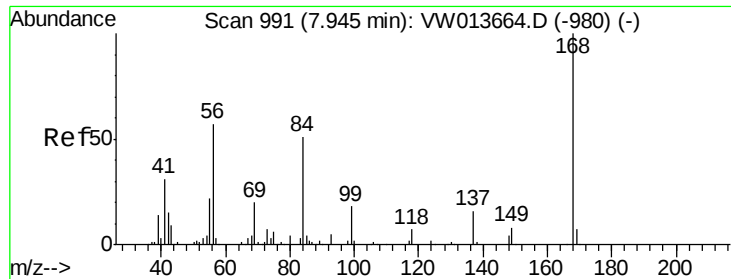
Manual Integrations
APPROVED

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11/15/2019 10:50:12 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69722	18.789	ug/l	99
94) Hexachlorobutadiene	15.24	225	51754	20.660	ug/l	99
95) Naphthalene	15.36	128	114325	19.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	59720	18.677	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: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion:168 Resp: 282260

Ion Ratio Lower Upper

168 100

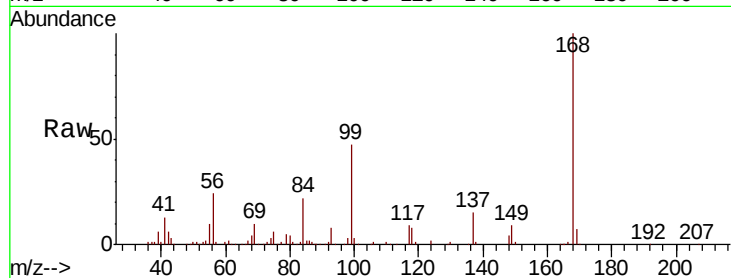
99 47.0 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

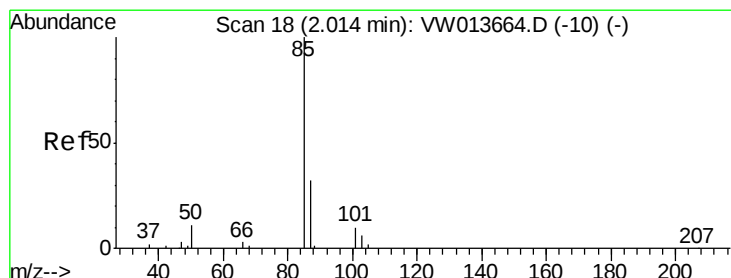
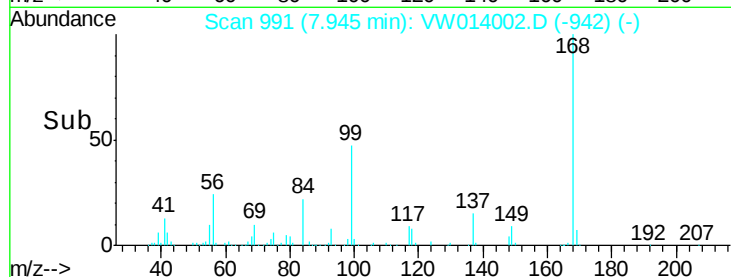
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.474 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014002.D

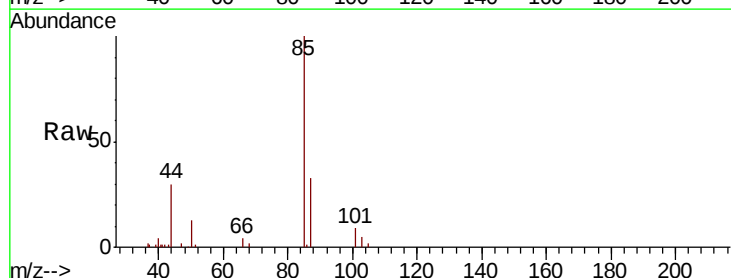
Acq: 13 Nov 2019 13:14

Tgt Ion: 85 Resp: 30446

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

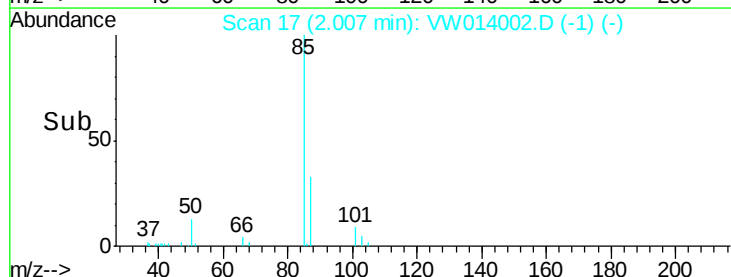
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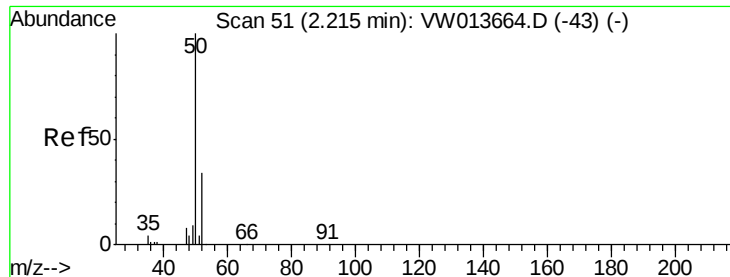
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.769 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 50 Resp: 29995

Ion Ratio Lower Upper

50 100

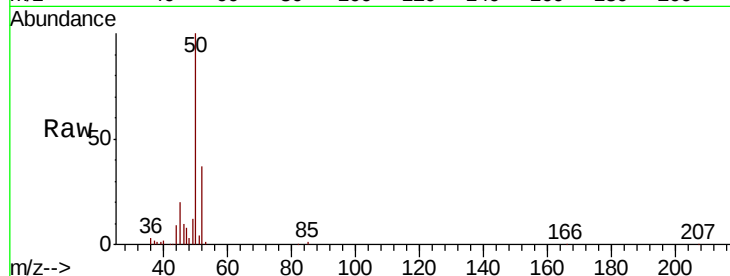
52 36.8 26.9 40.3

Manual Integrations

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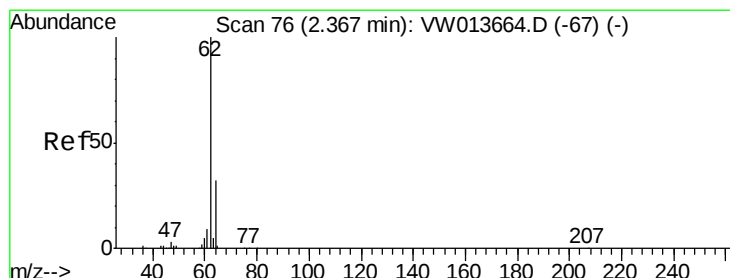
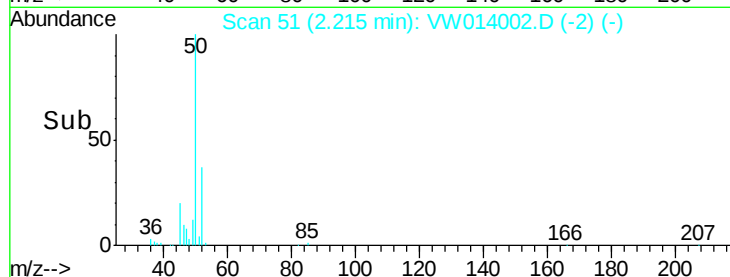
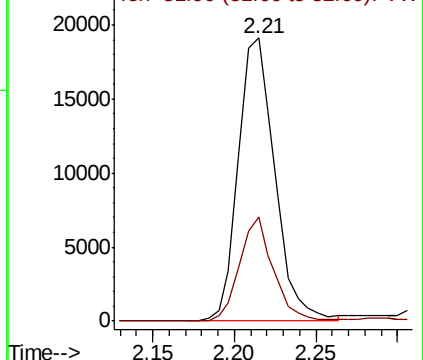
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.551 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014002.D

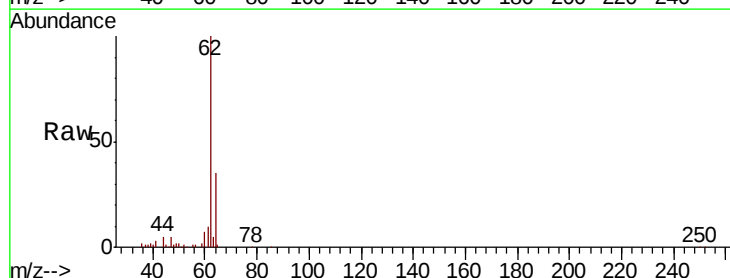
Acq: 13 Nov 2019 13:14

Tgt Ion: 62 Resp: 52013

Ion Ratio Lower Upper

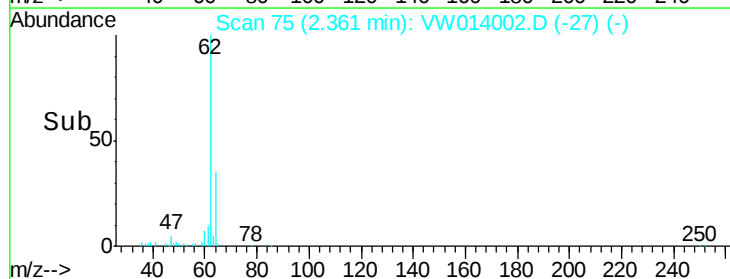
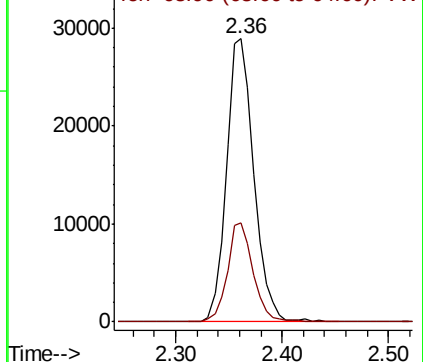
62 100

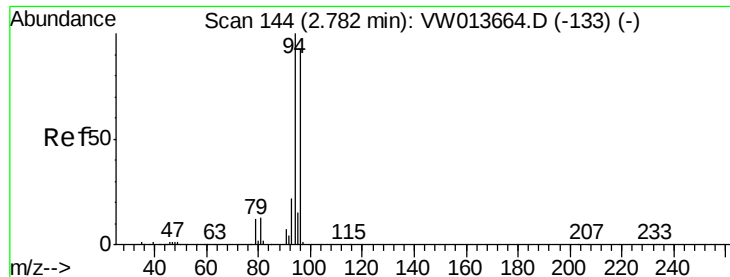
64 35.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.971 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 94 Resp: 31700

Ion Ratio Lower Upper

94 100

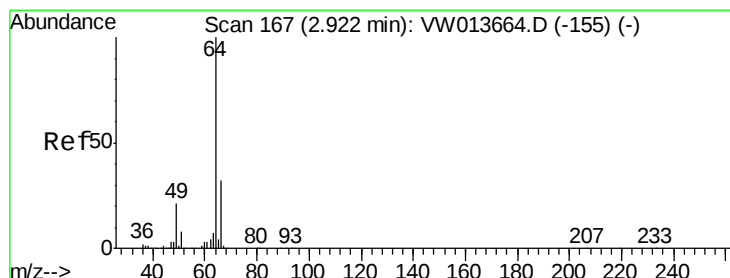
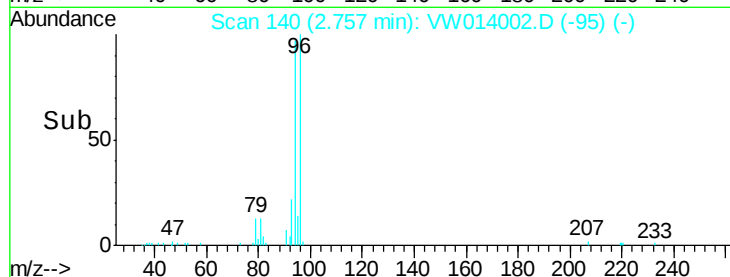
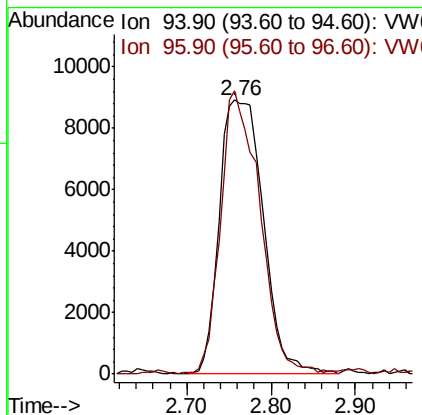
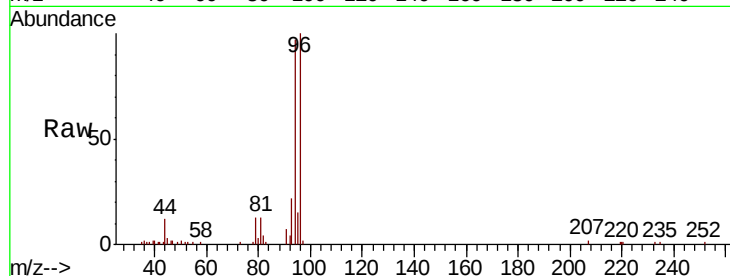
96 102.4 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 20.319 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014002.D

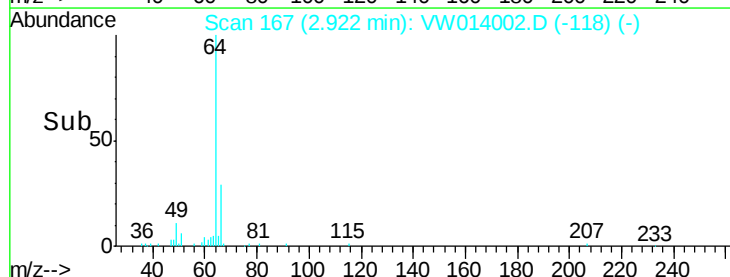
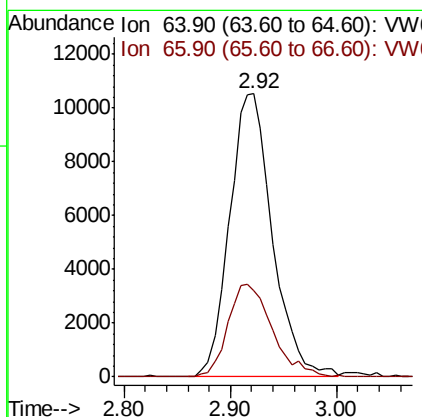
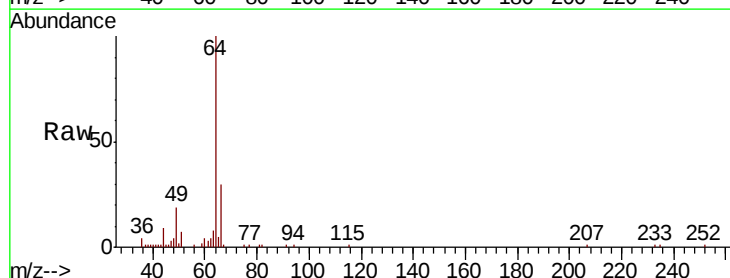
Acq: 13 Nov 2019 13:14

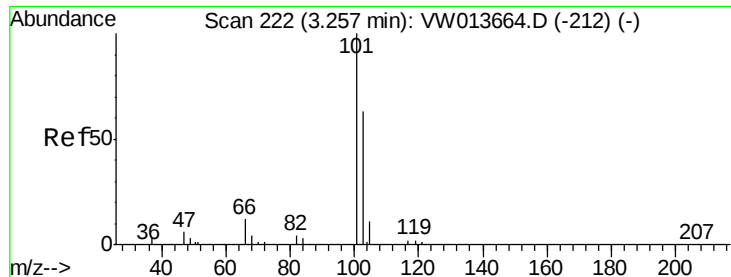
Tgt Ion: 64 Resp: 29674

Ion Ratio Lower Upper

64 100

66 30.5 25.4 38.0





#7

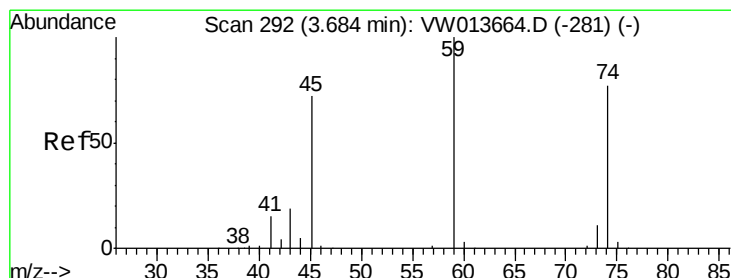
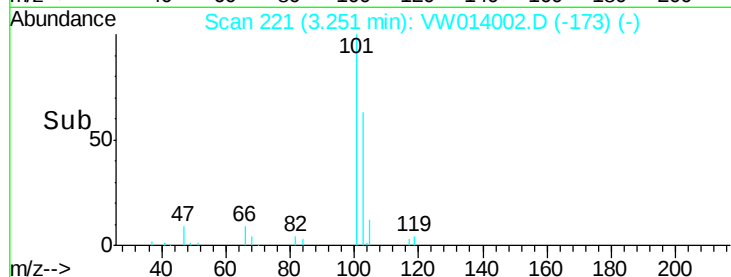
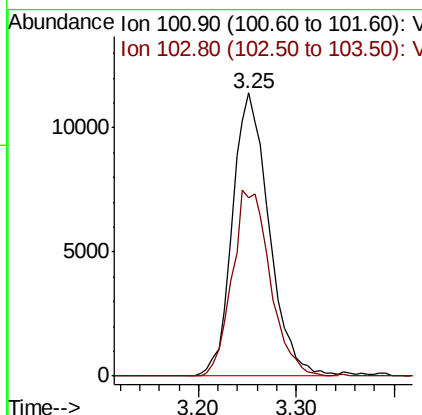
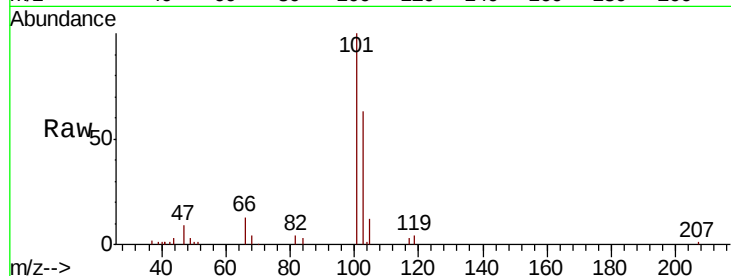
Trichlorofluoromethane
Concen: 19.641 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.6	76.0

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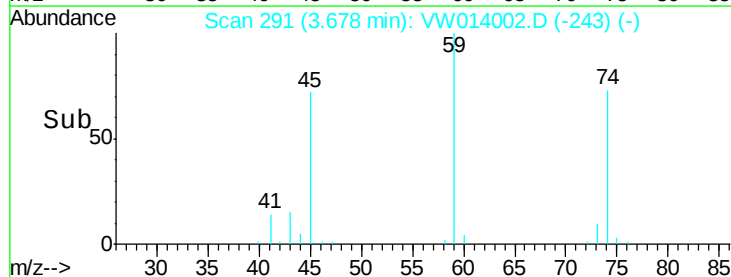
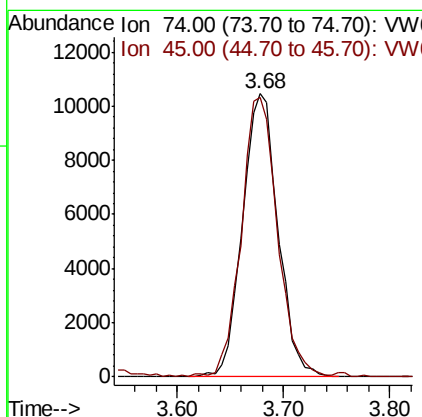
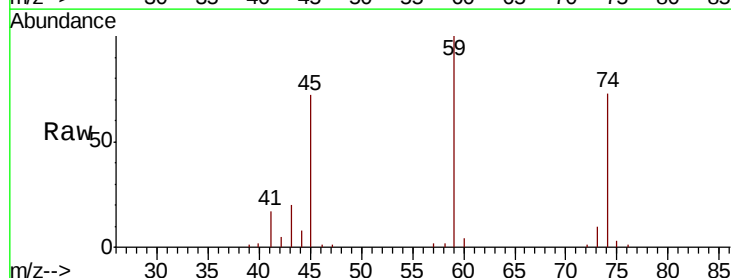
MMDadoda
11/15/2019 10:50:12 AM

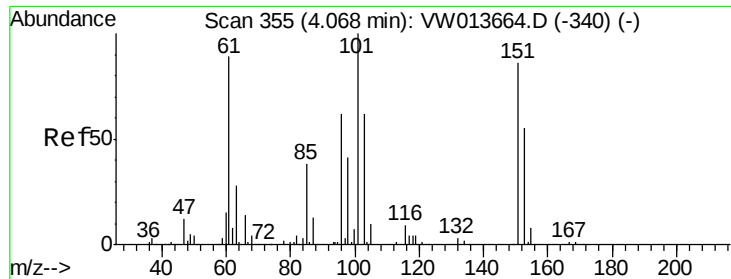


#8

Diethyl Ether
Concen: 20.087 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.831 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

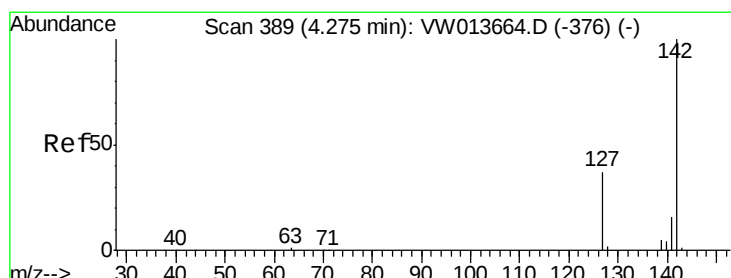
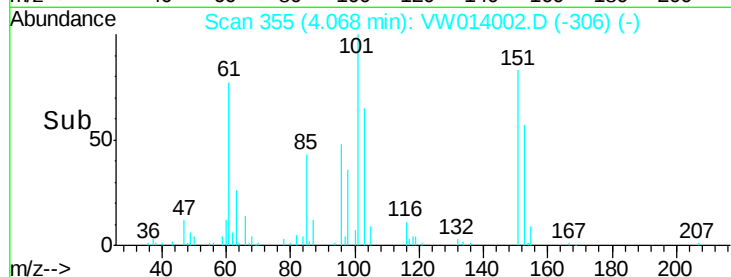
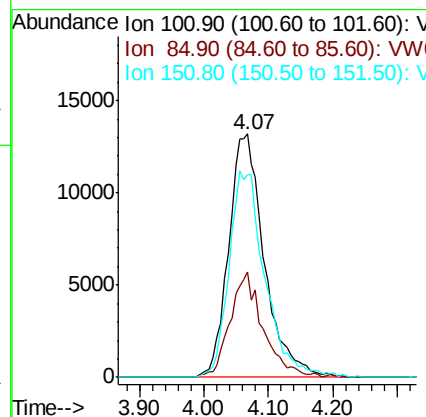
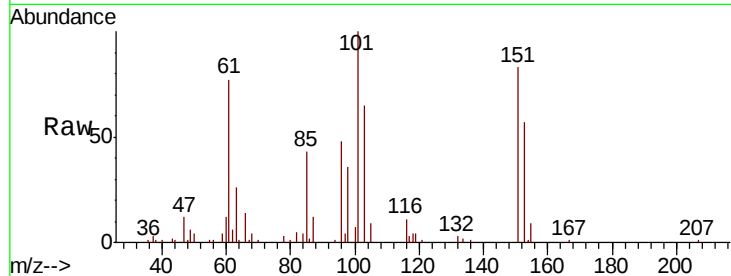
ClientSampleId :

VW1113SBSD01

Tot Ion:	101	Resp:	51050
Ion Ratio	Lower	Upper	
101	100		
85	40.0	31.0	46.6
151	84.7	68.2	102.4

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#10

Methyl Iodide

Concen: 19.172 ug/l

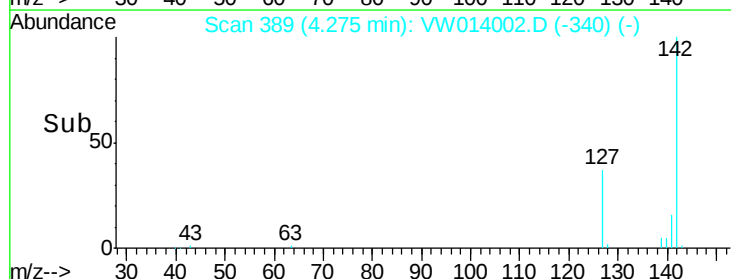
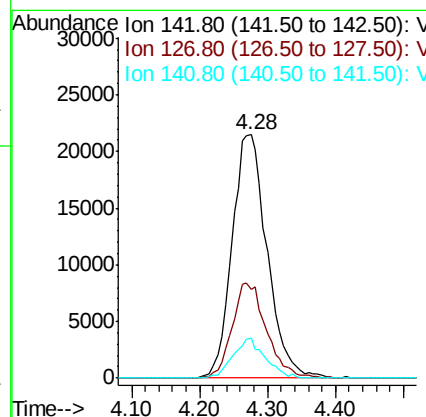
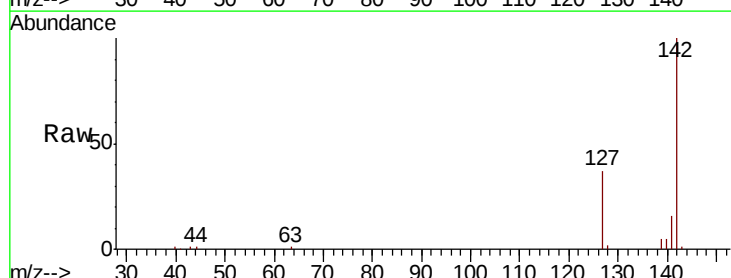
RT: 4.28 min Scan# 389

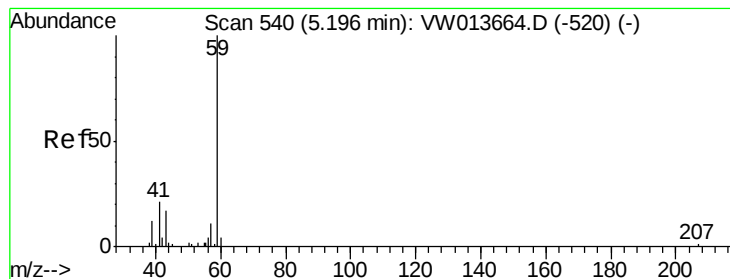
Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	142	Resp:	76565
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.3	45.5
141	15.0	11.8	17.8





#11

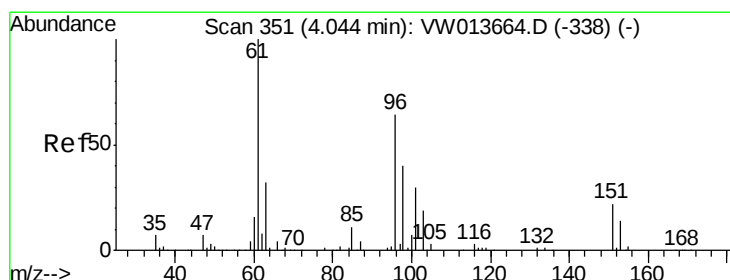
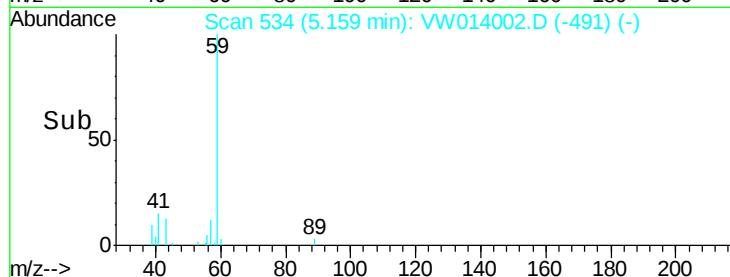
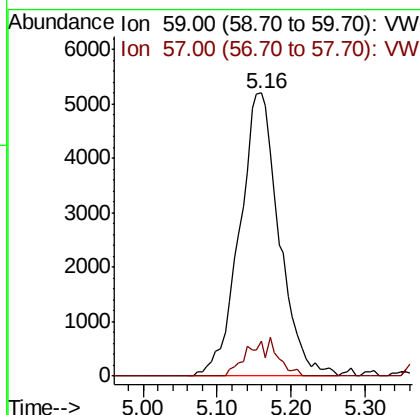
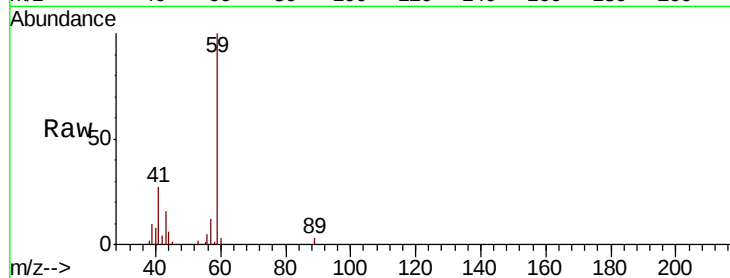
Tert butyl alcohol
Concen: 153.032 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.8	13.2#

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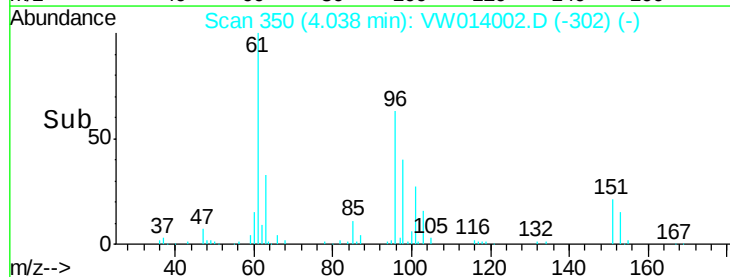
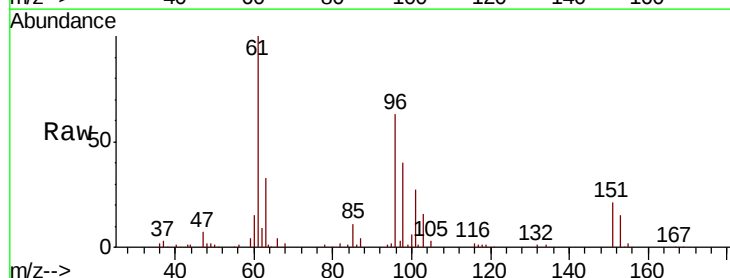
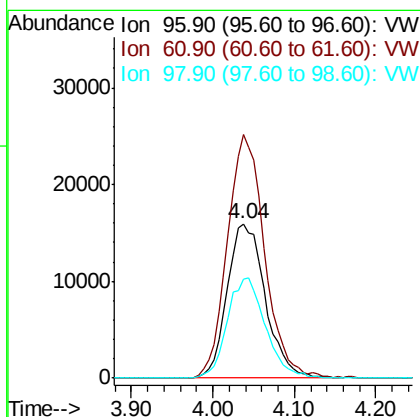
MMDadoda
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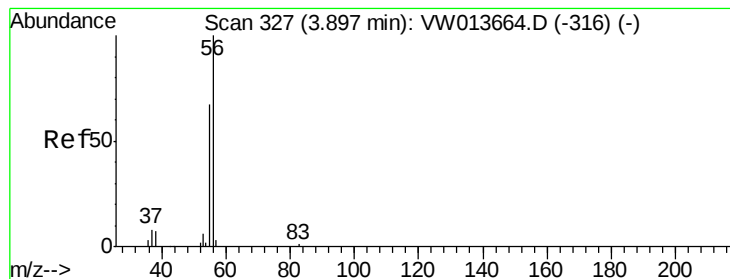


#12

1,1-Dichloroethene
Concen: 20.383 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.0	187.6
98	63.9	50.3	75.5





#13

Acrolein

Concen: 92.012 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 56 Resp: 13325

Ion Ratio Lower Upper

56 100

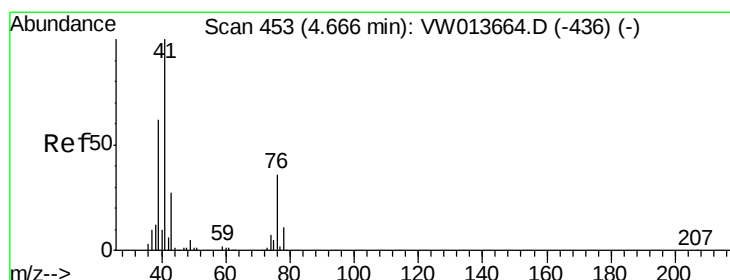
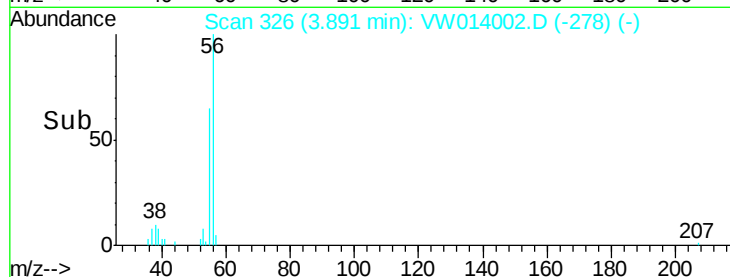
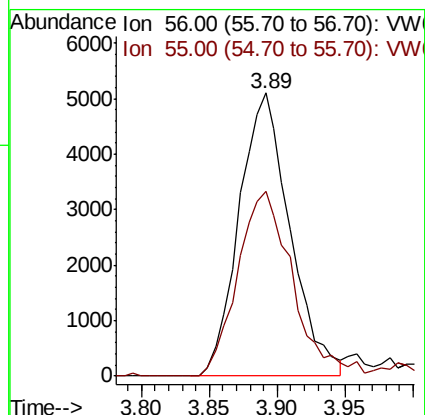
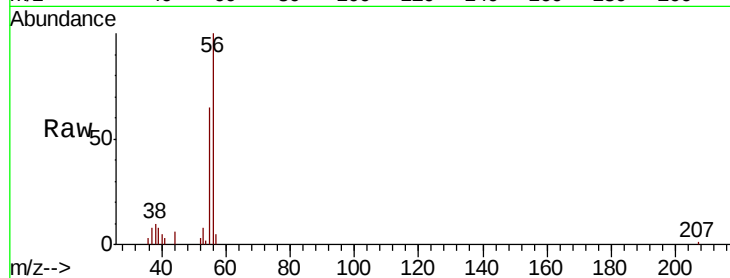
55 70.8 56.1 84.1

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#14

Allyl chloride

Concen: 19.564 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

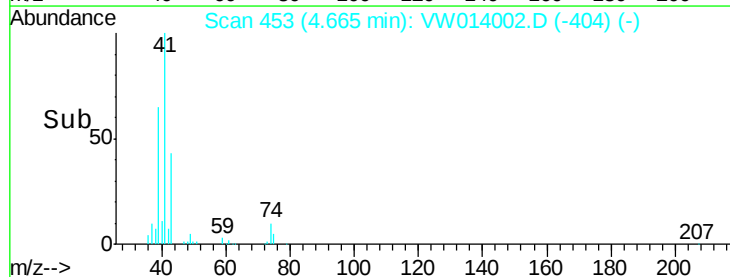
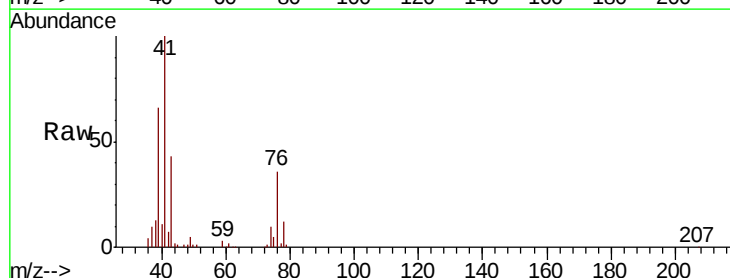
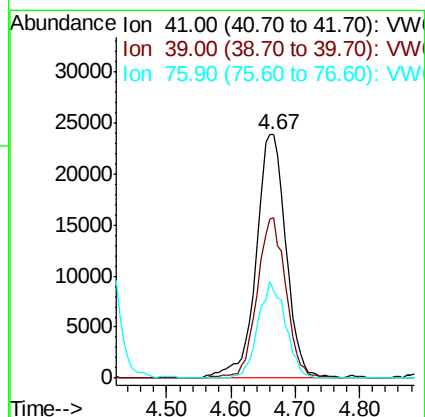
Tgt Ion: 41 Resp: 76154

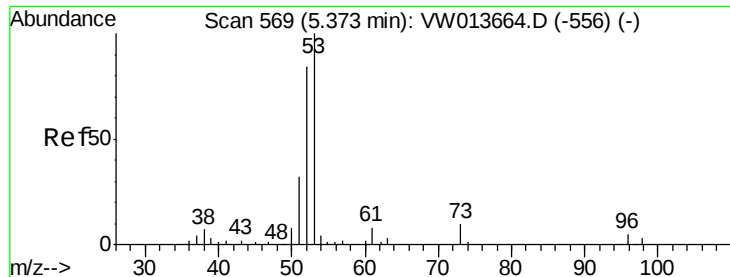
Ion Ratio Lower Upper

41 100

39 63.5 50.0 75.0

76 36.3 29.6 44.4





#15

Acrylonitrile

Concen: 121.926 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.02 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

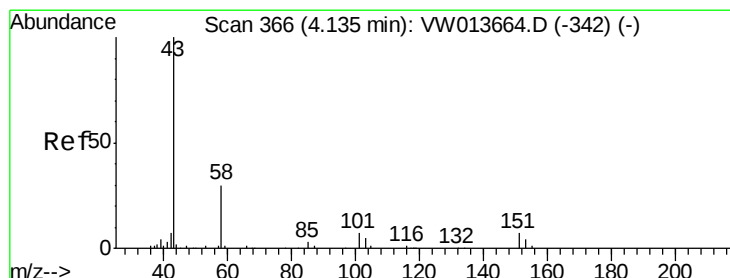
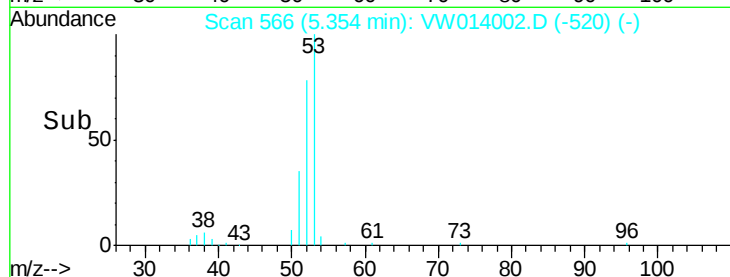
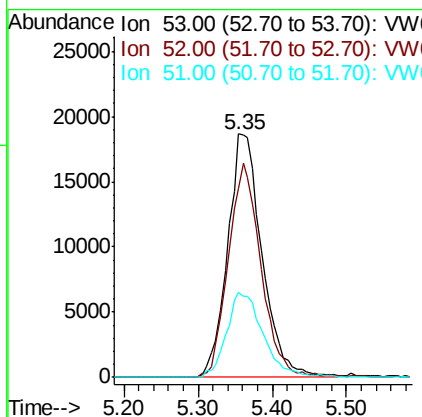
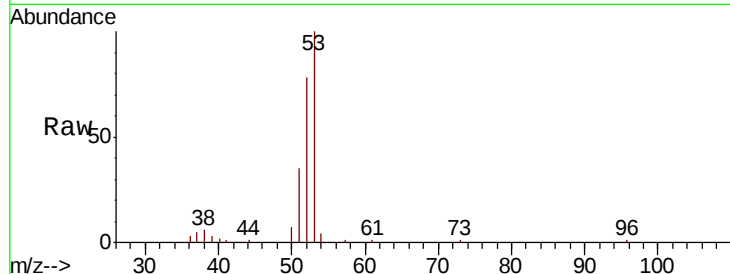
ClientSampleId :

VW1113SBS01

Tot Ion:	53	Resp:	60382
Ion Ratio		Lower	Upper
53	100		
52	83.5	67.4	101.0
51	36.7	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 113.229 ug/l

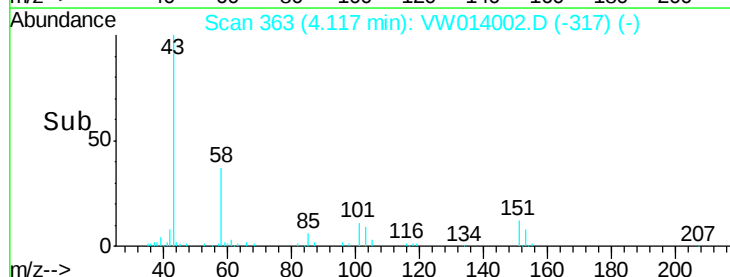
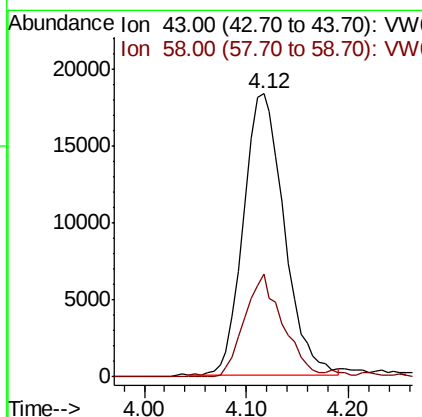
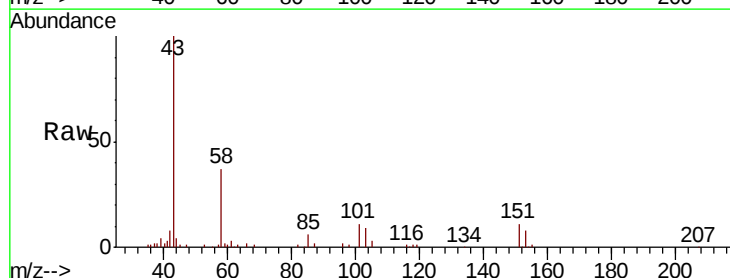
RT: 4.12 min Scan# 363

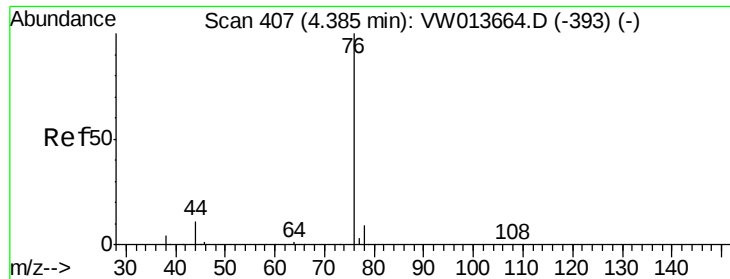
Delta R.T. -0.02 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	43	Resp:	50835
Ion Ratio		Lower	Upper
43	100		
58	36.7	24.1	36.1#





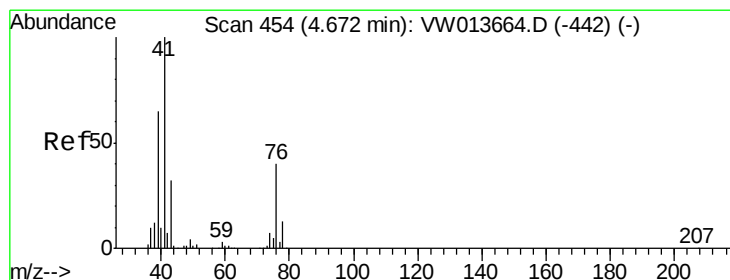
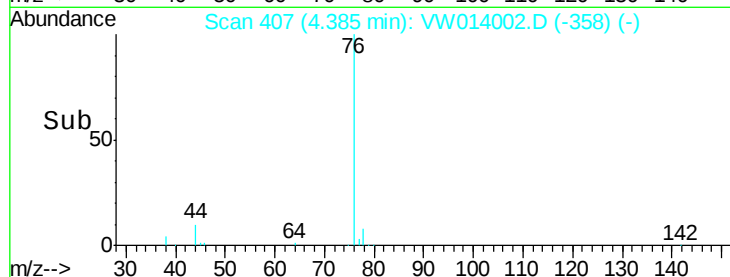
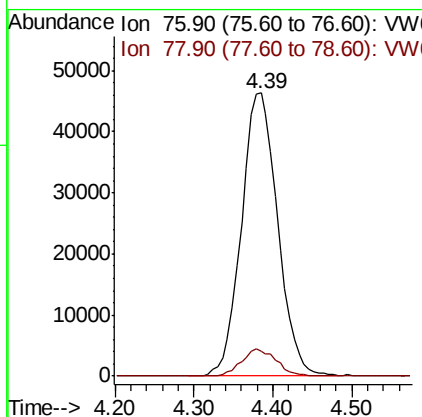
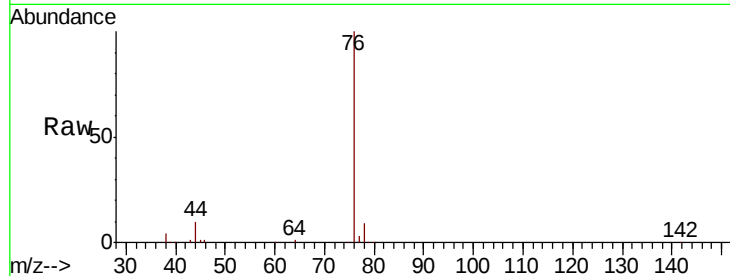
#17
Carbon Disulfide
Concen: 20.355 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

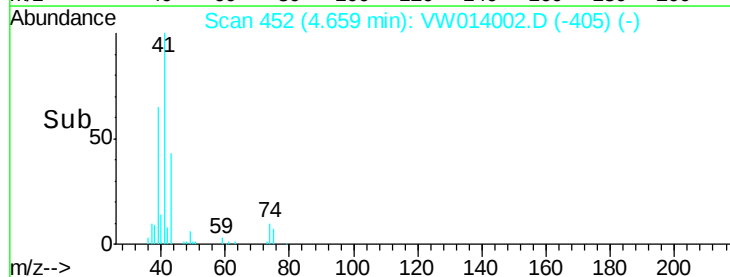
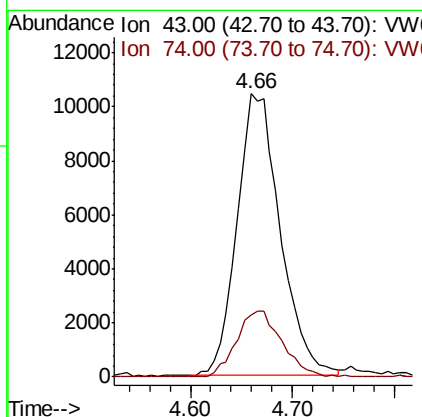
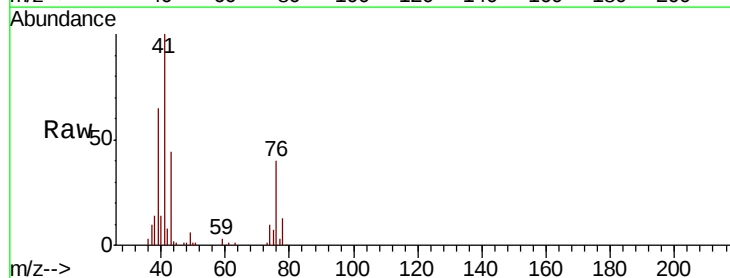
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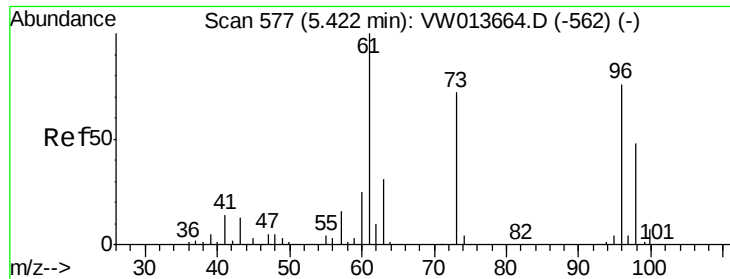
MMDadoda
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#18
Methyl Acetate
Concen: 24.984 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8





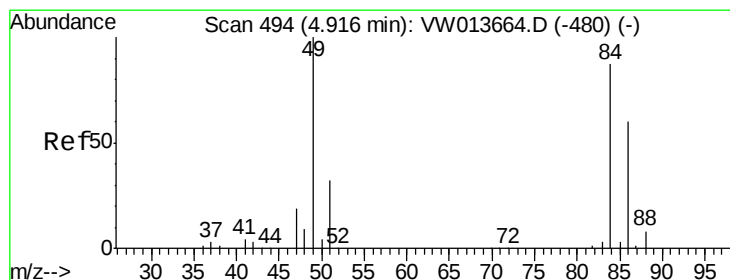
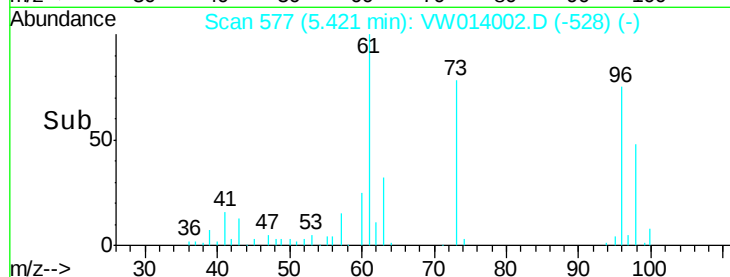
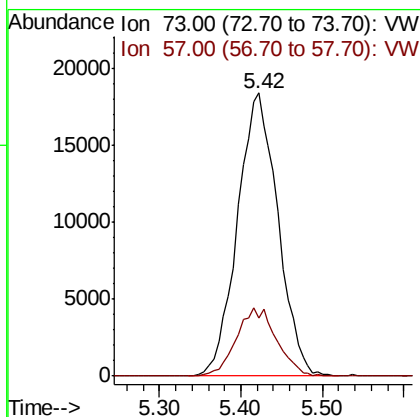
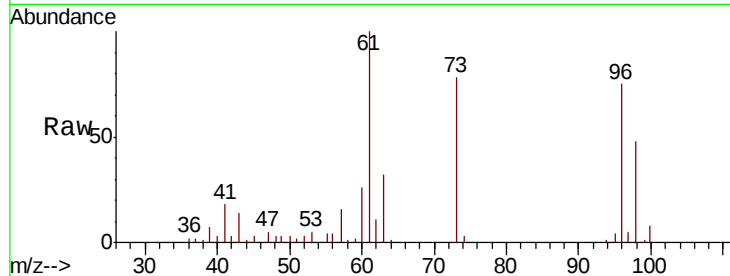
#19
Methvl tert-butvl Ether
Concen: 20.815 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion: 73 Resp: 63232
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

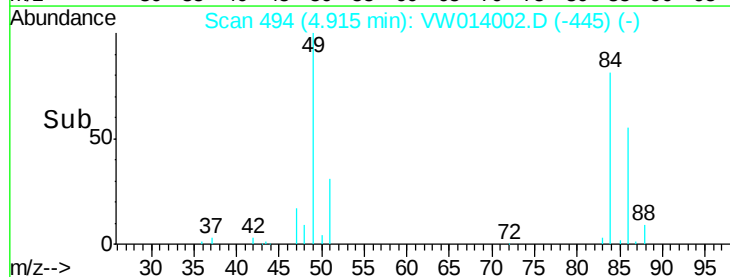
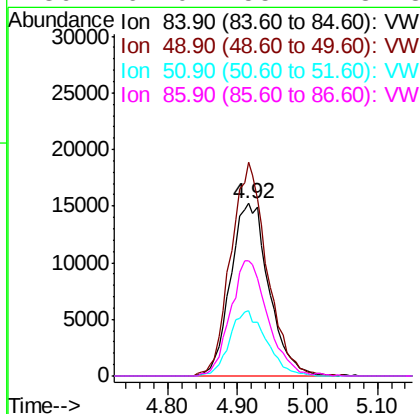
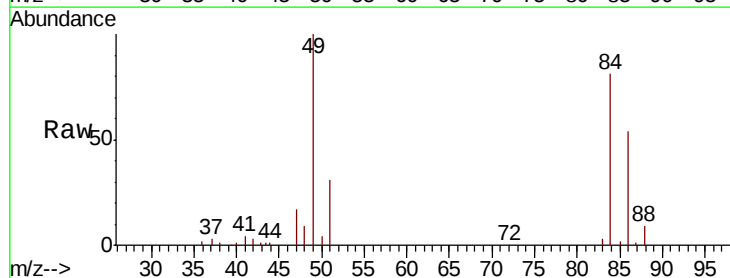
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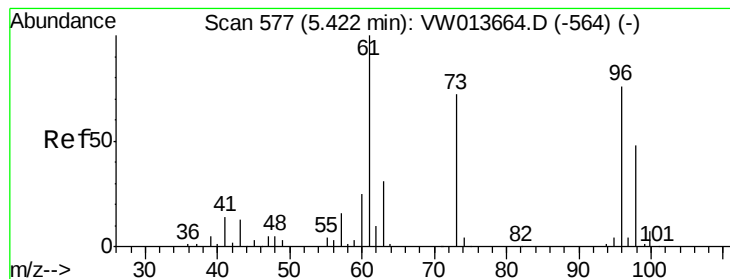
MMDadoda
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#20
Methylene Chloride
Concen: 20.760 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion: 84 Resp: 58140
Ion Ratio Lower Upper
84 100
49 123.6 91.8 137.6
51 38.0 29.8 44.6
86 67.0 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 19.406 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 96 Resp: 52873

Ion Ratio Lower Upper

96 100

61 134.0 104.8 157.2

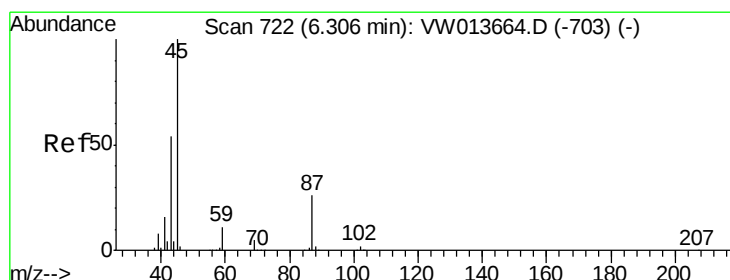
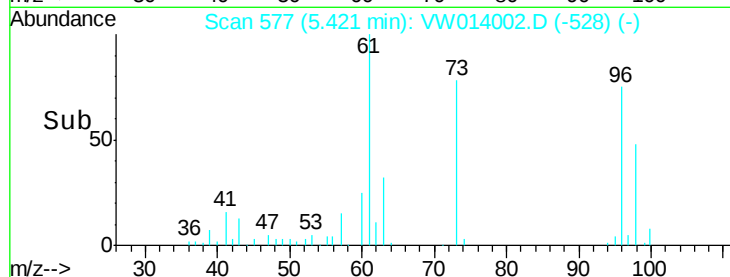
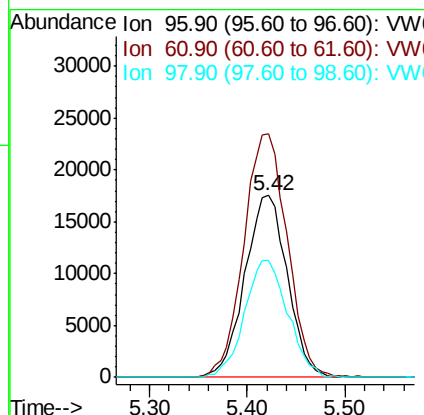
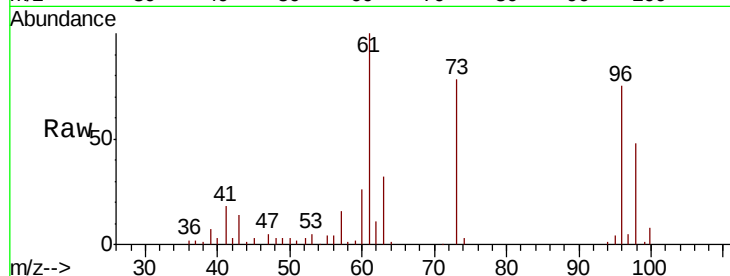
98 64.6 50.6 76.0

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#22

Diisopropyl ether

Concen: 19.942 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion: 45 Resp: 141594

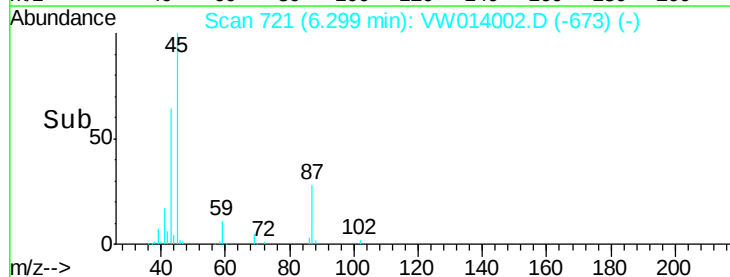
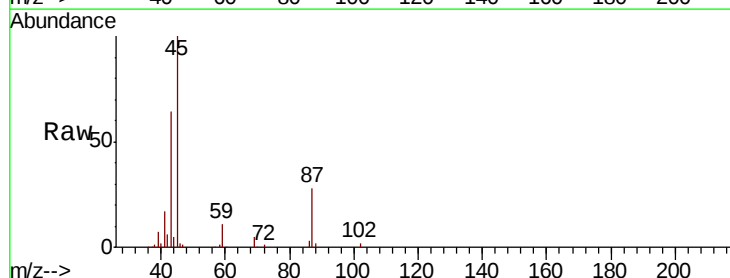
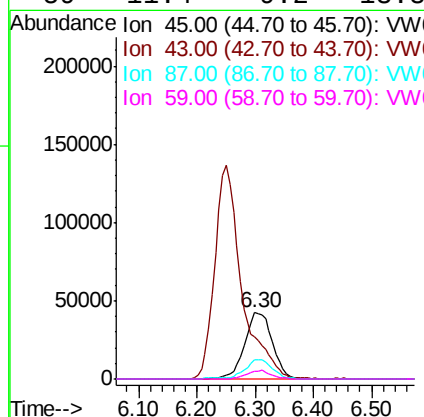
Ion Ratio Lower Upper

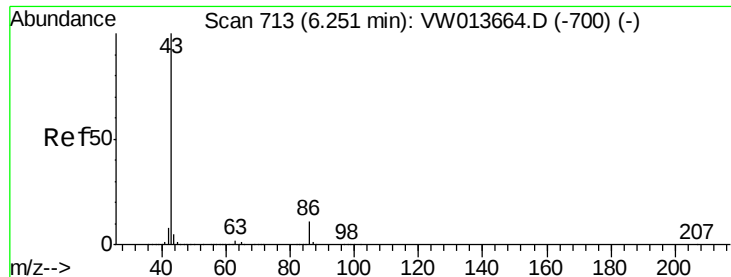
45 100

43 63.2 43.4 65.2

87 28.0 21.5 32.3

59 11.4 9.2 13.8





#23

Vinyl Acetate

Concen: 106.459 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 43 Resp: 438600

Ion Ratio Lower Upper

43 100

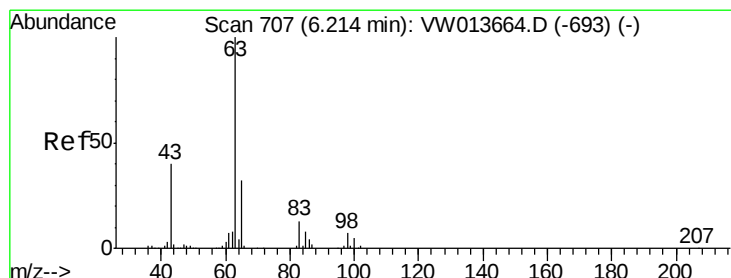
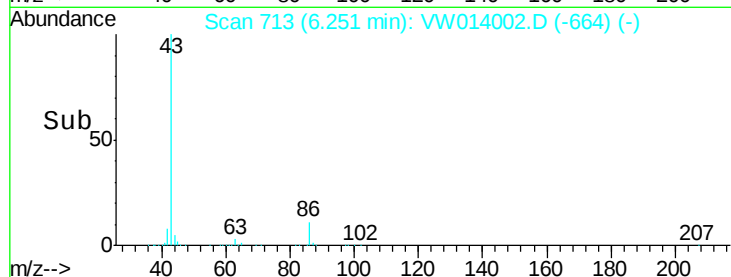
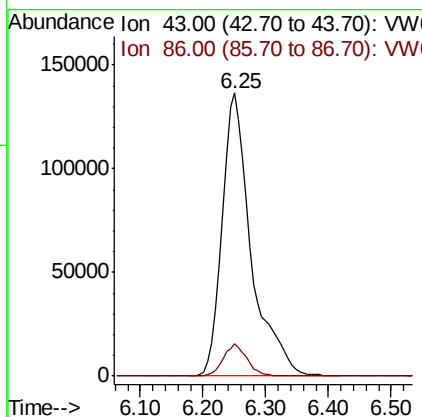
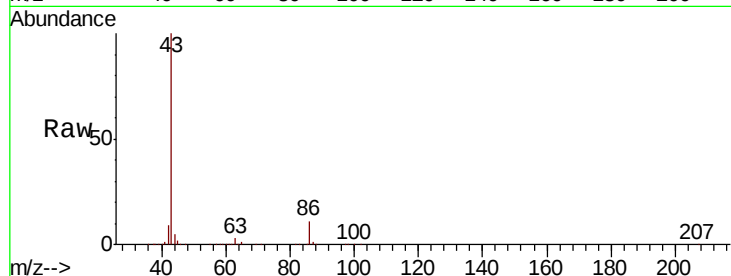
86 11.4 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.680 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

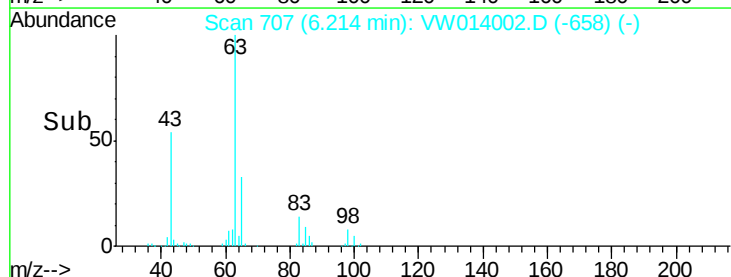
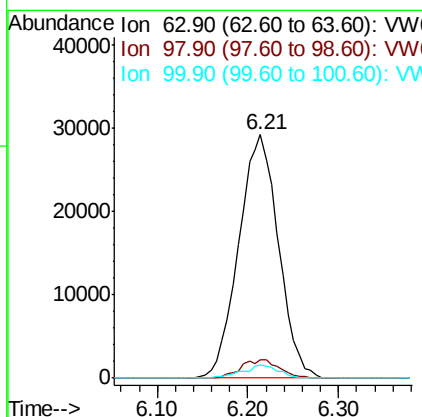
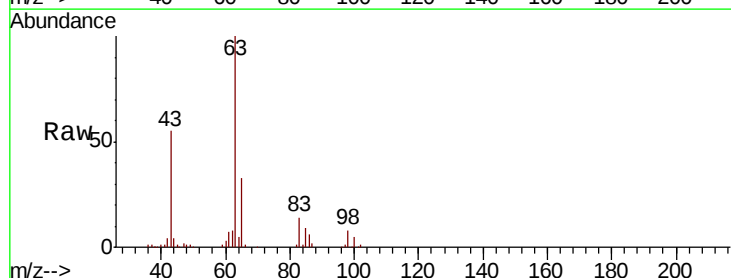
Tgt Ion: 63 Resp: 88495

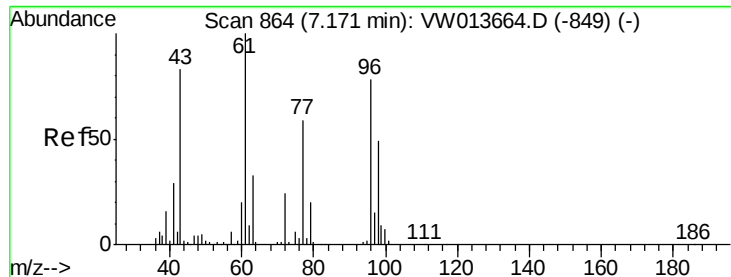
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 5.3 2.5 7.4





#25

2-Butanone

Concen: 124.071 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 43 Resp: 80083

Ion Ratio Lower Upper

43 100

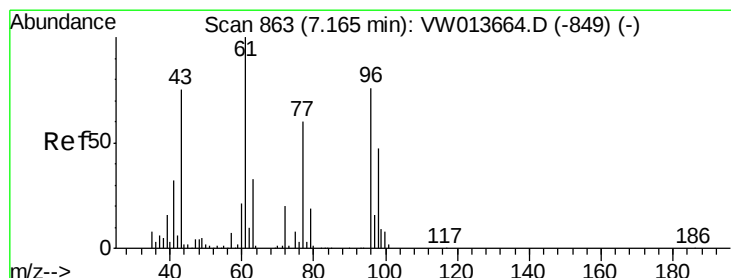
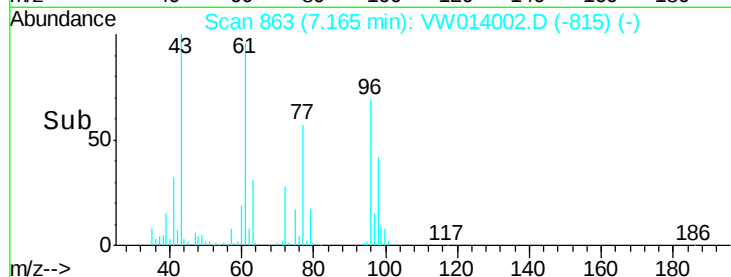
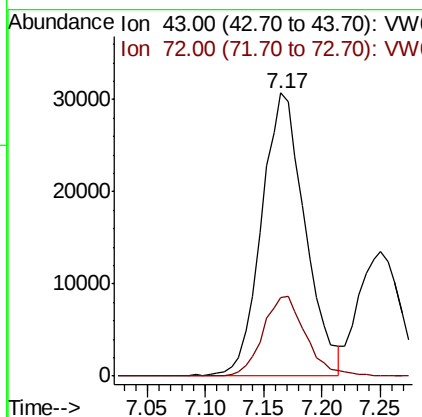
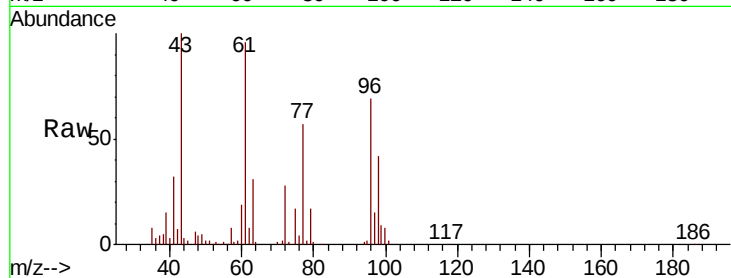
72 27.9 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.805 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014002.D

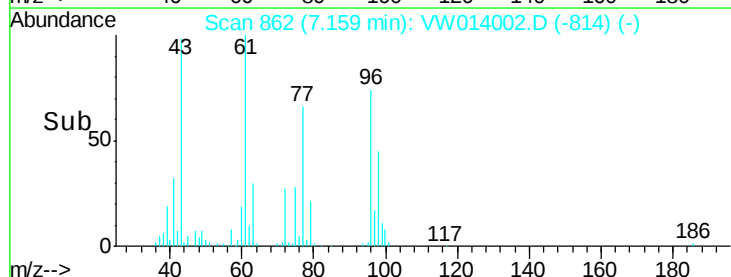
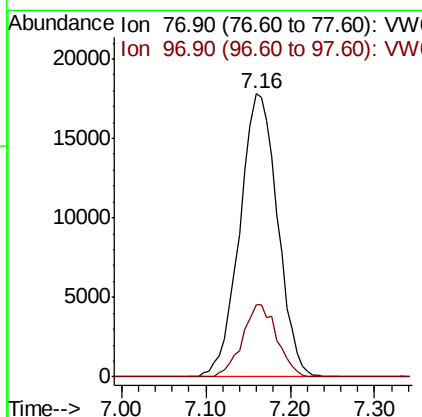
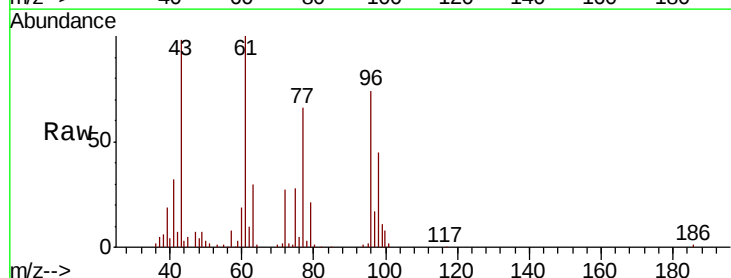
Acq: 13 Nov 2019 13:14

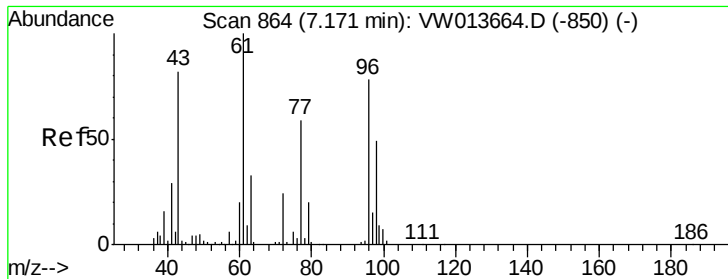
Tgt Ion: 77 Resp: 54098

Ion Ratio Lower Upper

77 100

97 23.3 12.8 38.4





#27

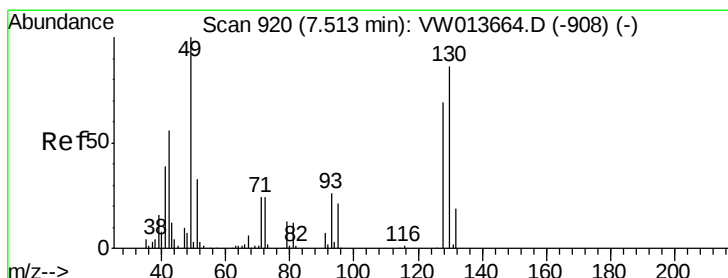
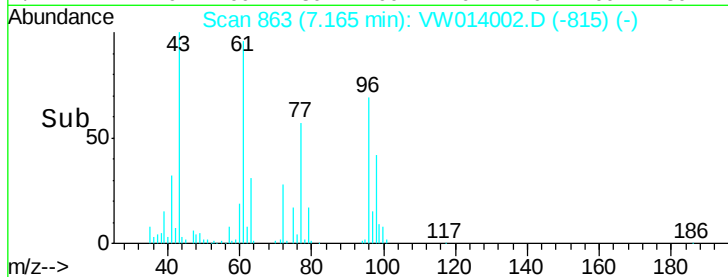
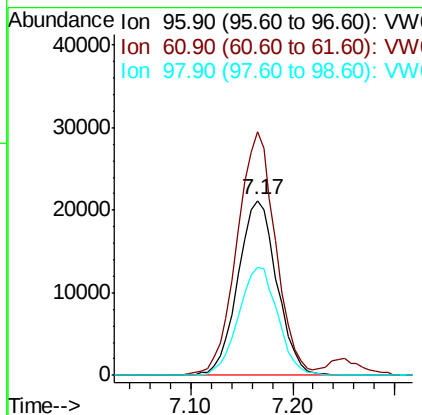
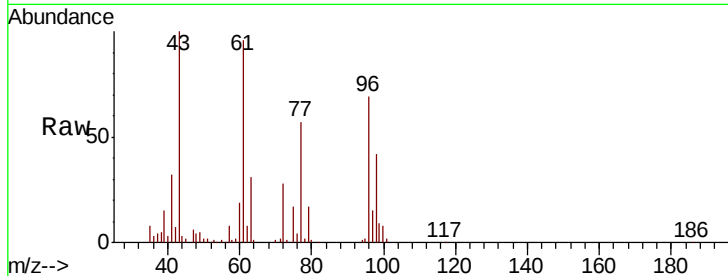
cis-1,2-Dichloroethene
Concen: 19.355 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	266.0
98	62.6	0.0	126.8

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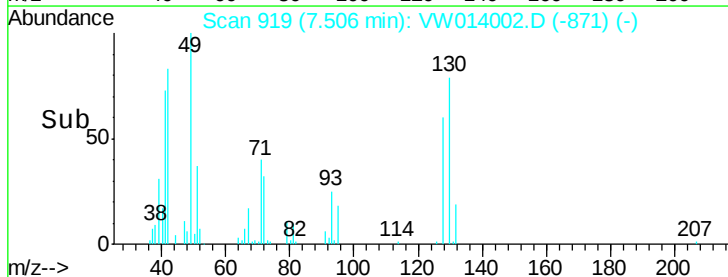
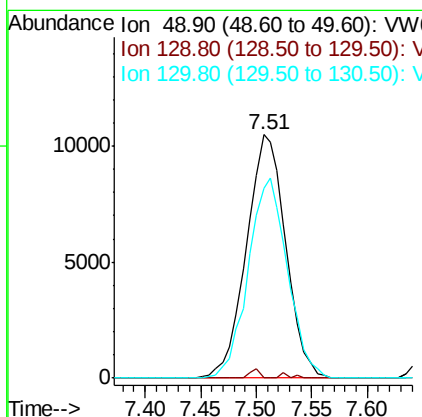
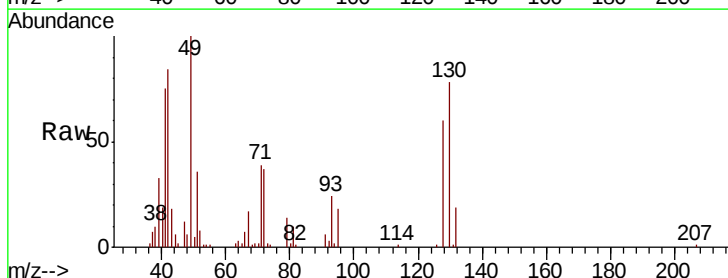
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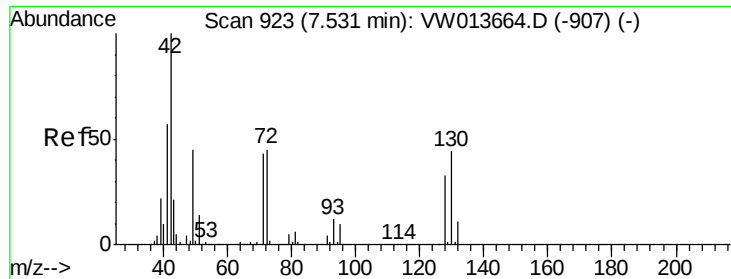


#28

Bromochloromethane
Concen: 16.996 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	0.6#
130	82.3	67.5	101.3





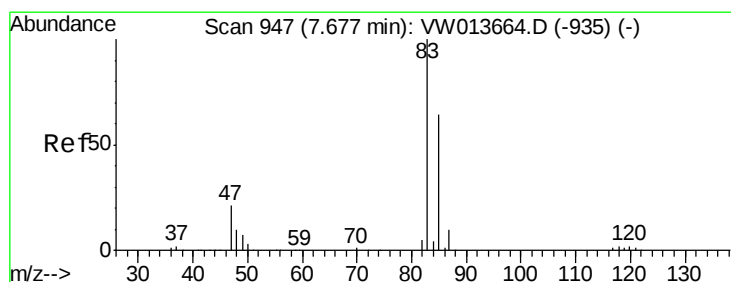
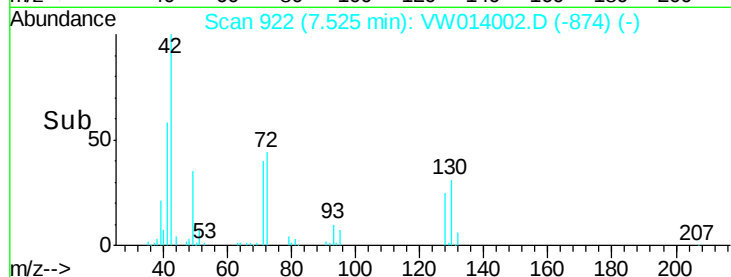
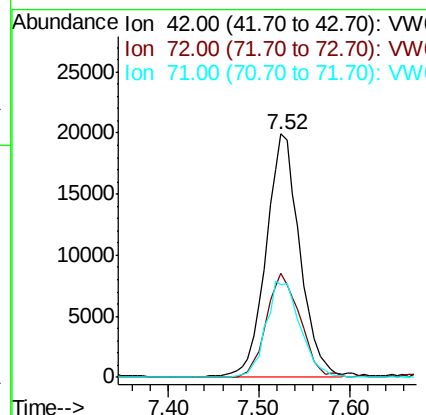
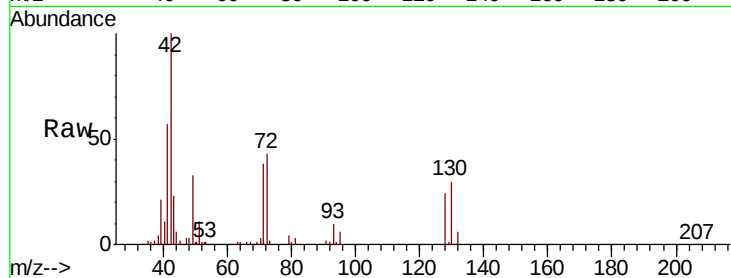
#29
Tetrahydrofuran
Concen: 128.371 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.3	52.9
71	40.0	33.3	49.9

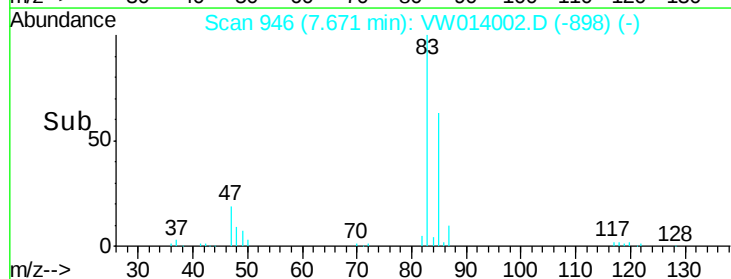
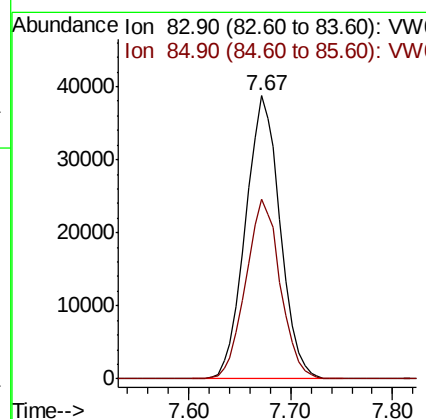
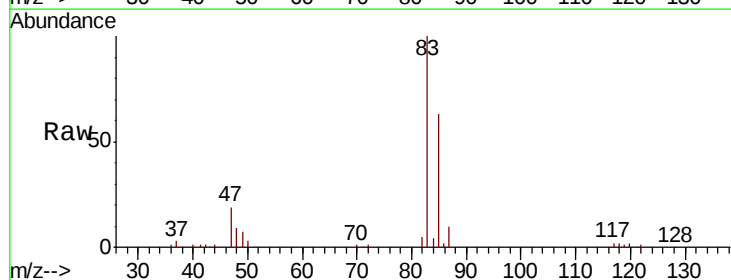
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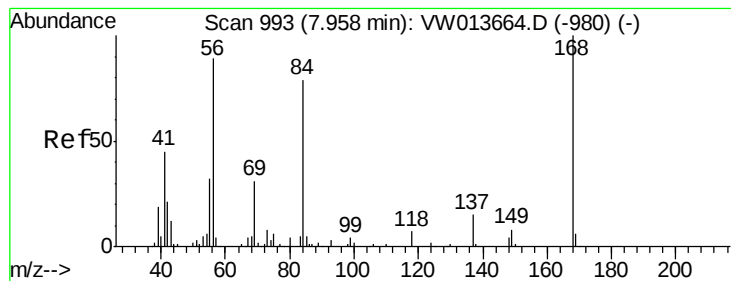
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#30
Chloroform
Concen: 20.552 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





#31

Cyclohexane

Concen: 19.595 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

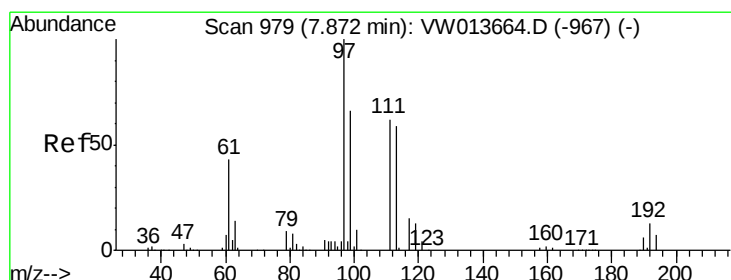
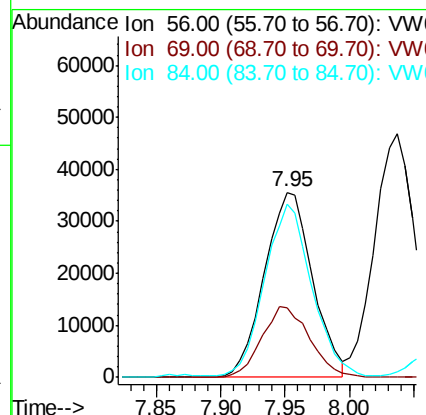
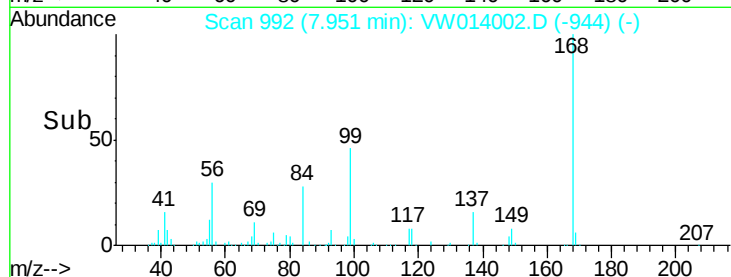
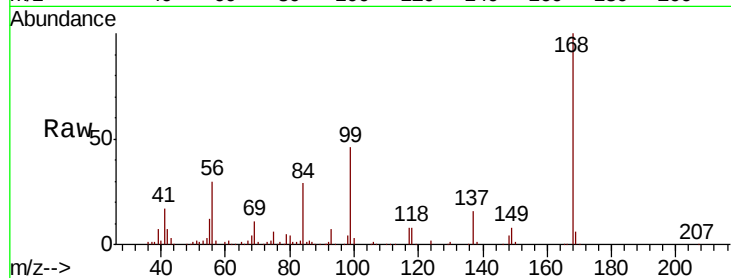
ClientSampleId :

VW1113SBS01

Tot Ion:	56	Resp:	92215
Ion Ratio	Lower	Upper	
56	100		
69	37.4	27.5	41.3
84	92.9	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 20.521 ug/l

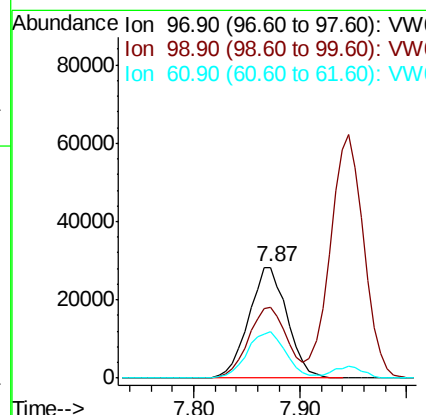
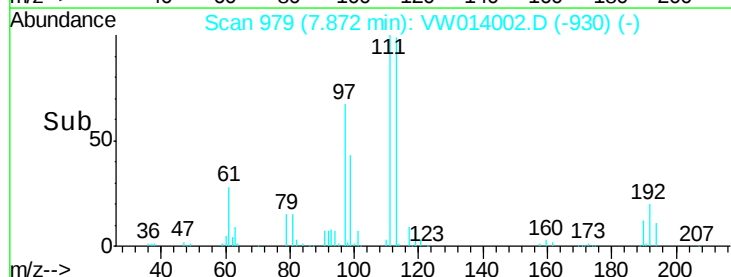
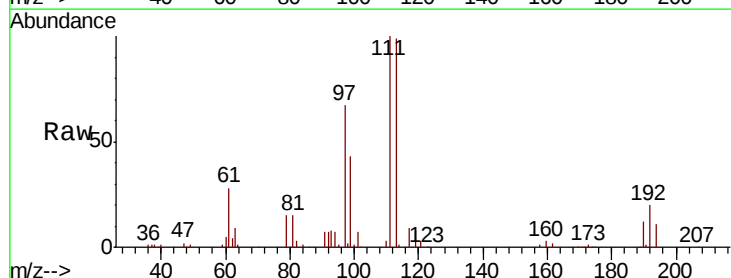
RT: 7.87 min Scan# 979

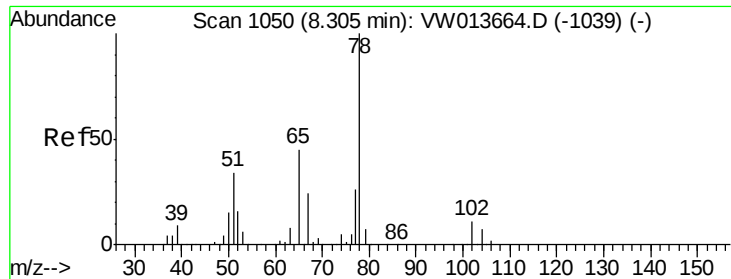
Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	97	Resp:	71586
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.0	78.0
61	42.7	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 56.061 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 65 Resp: 118705

Ion Ratio Lower Upper

65 100

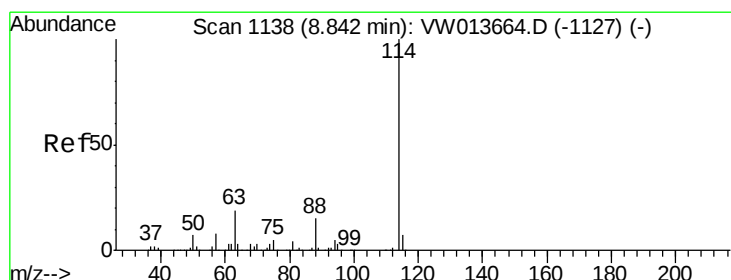
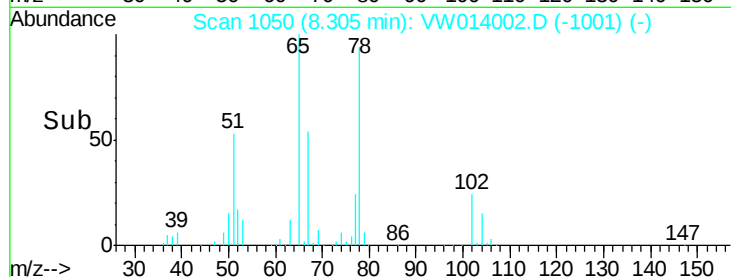
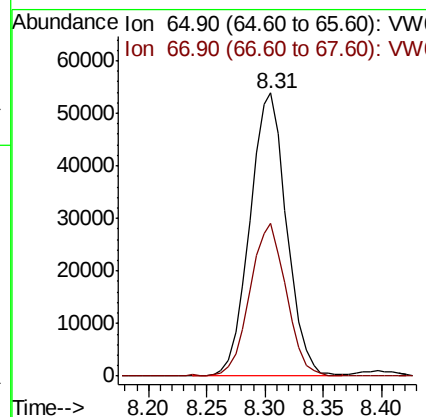
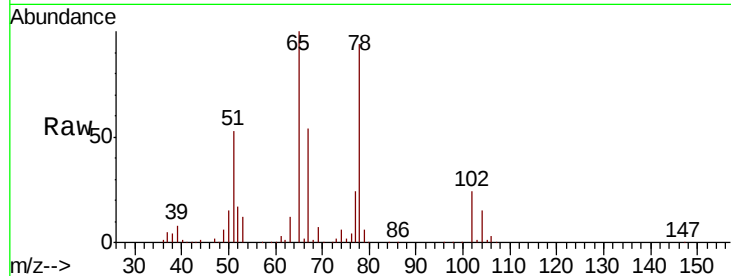
67 53.3 0.0 109.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

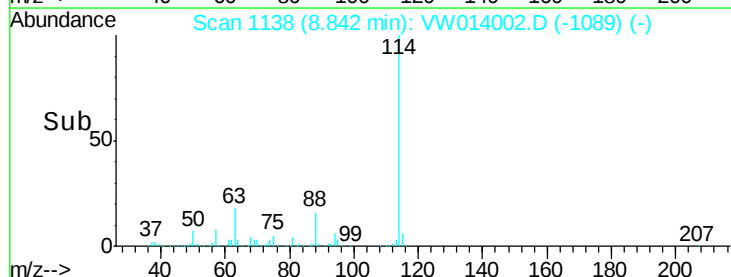
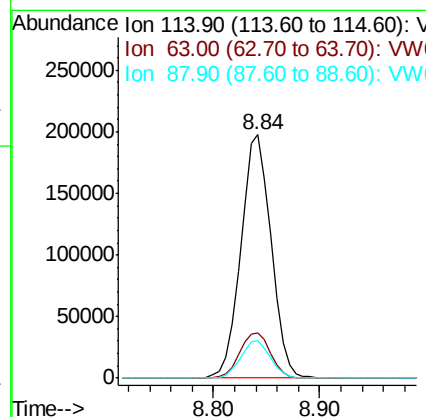
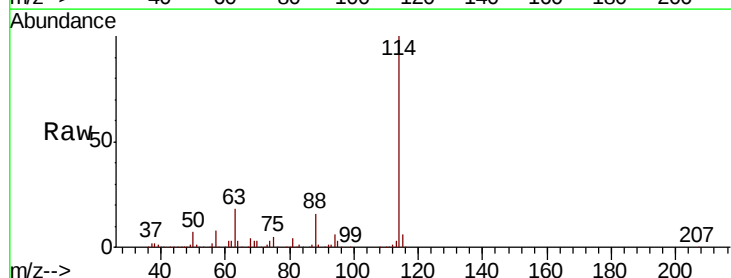
Tgt Ion: 114 Resp: 393340

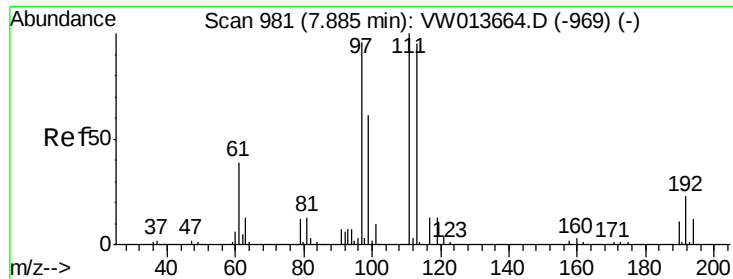
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.301 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

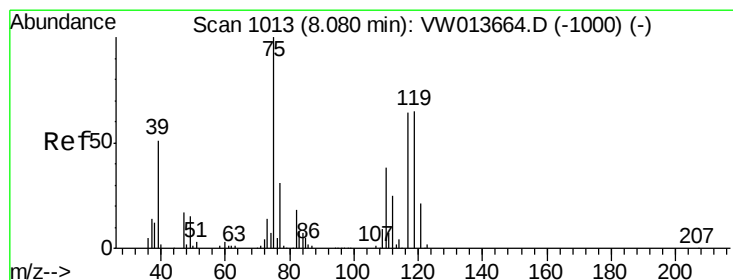
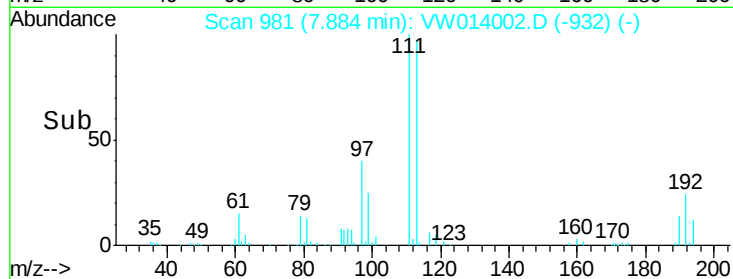
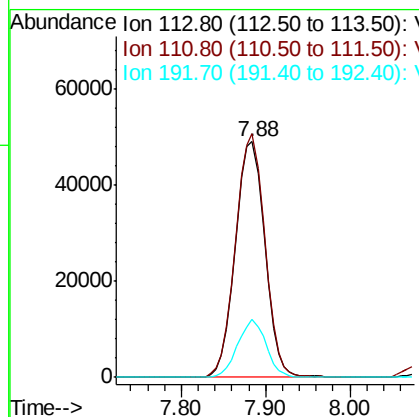
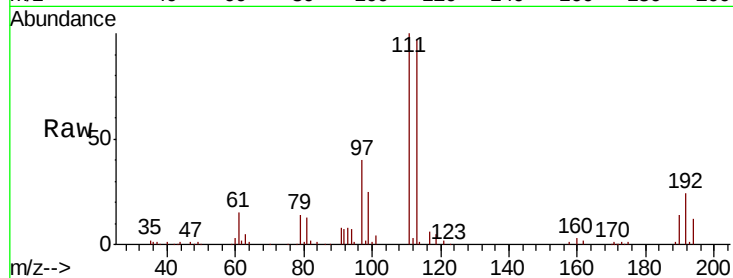
ClientSampleId :

VW1113SBSD01

Tot Ion:	113	Resp:	116495
Ion Ratio	Lower	Upper	
113	100		
111	102.3	83.0	124.6
192	23.5	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 20.516 ug/l

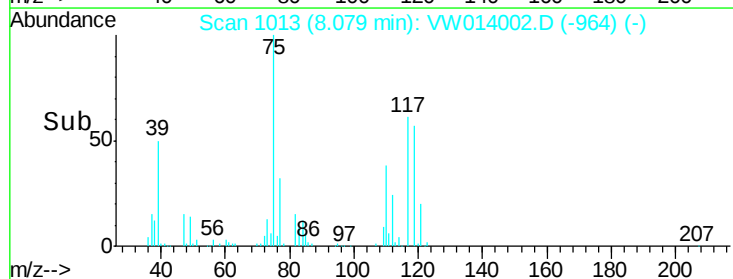
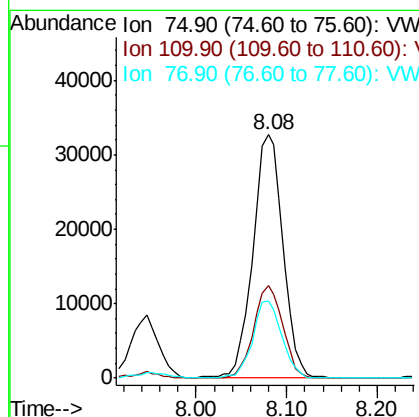
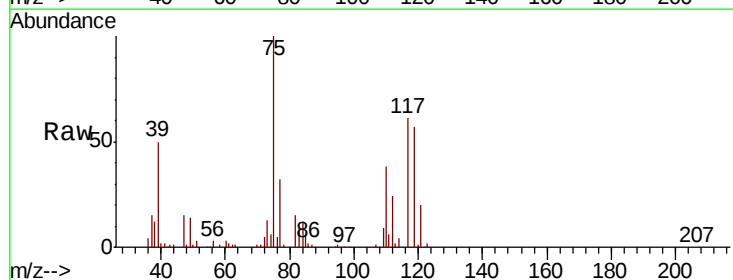
RT: 8.08 min Scan# 1013

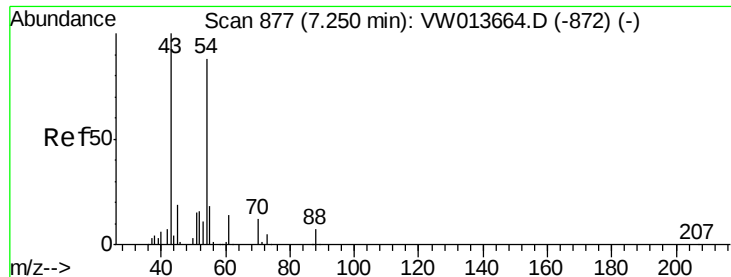
Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	75	Resp:	75156
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.7	56.1
77	30.9	25.4	38.0





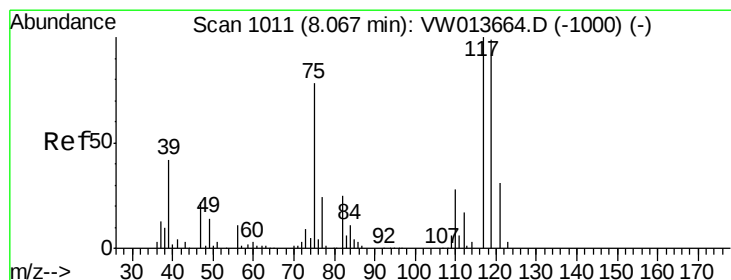
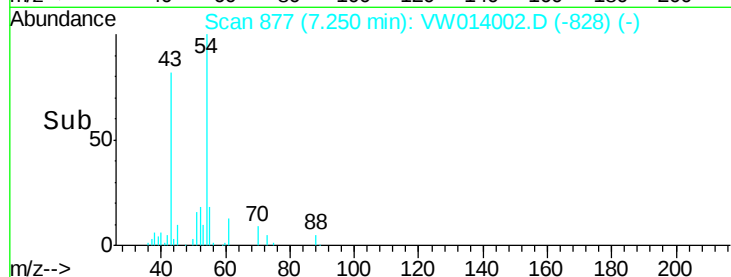
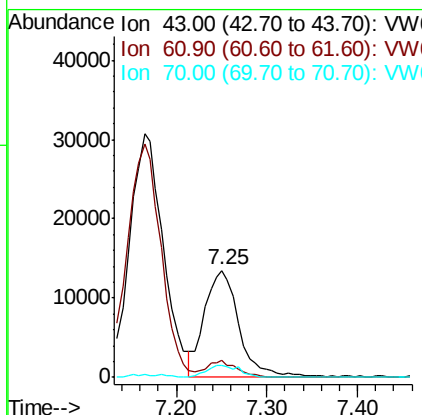
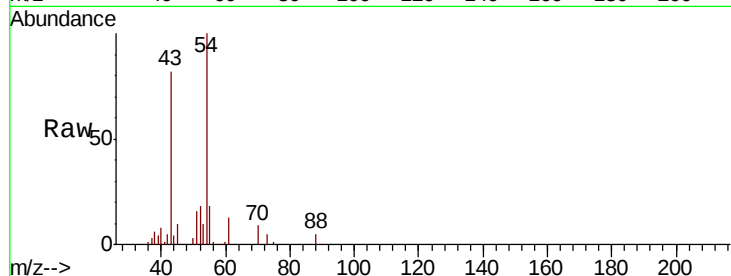
#37
Ethyl Acetate
Concen: 25.250 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	11.2	8.8	13.2

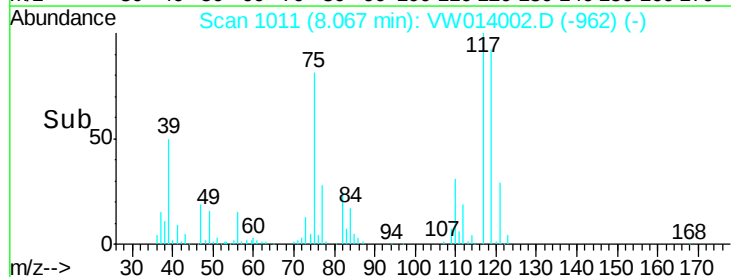
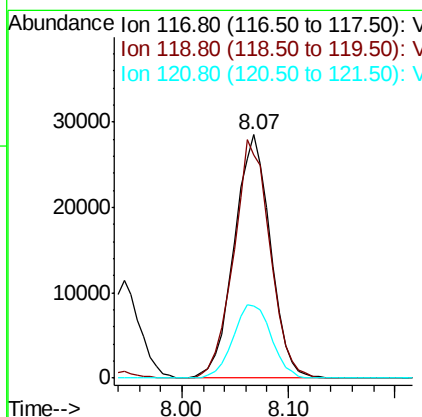
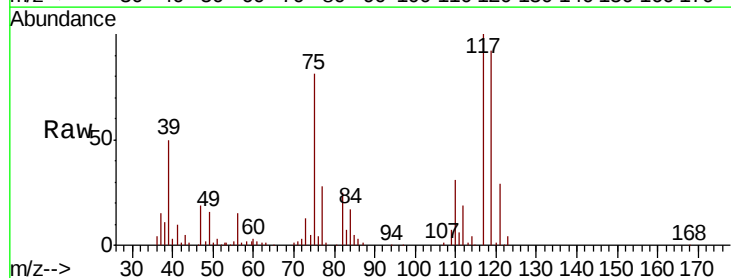
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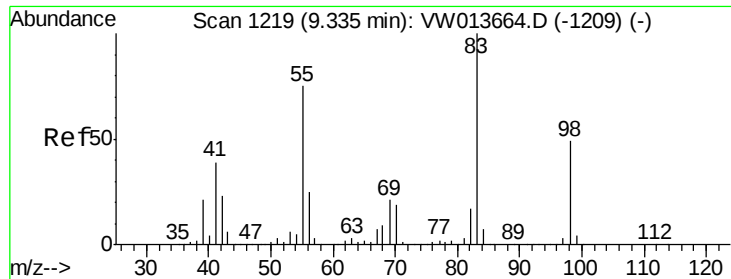
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#38
Carbon Tetrachloride
Concen: 20.628 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	79.0	118.4
121	29.5	24.5	36.7





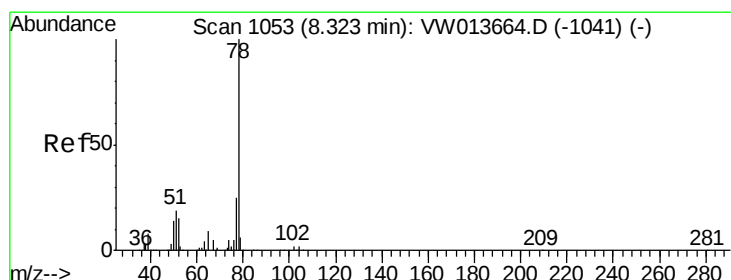
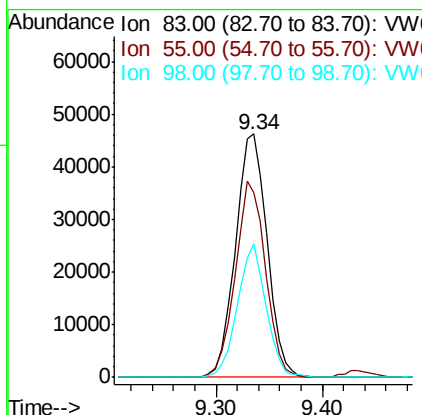
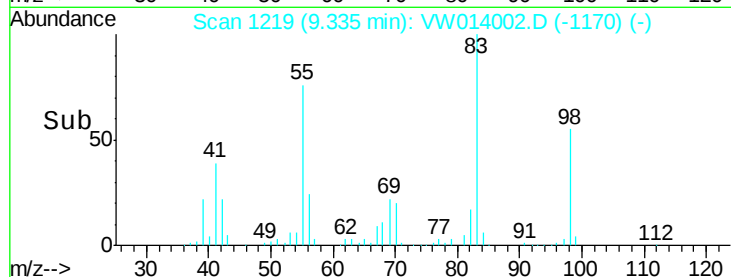
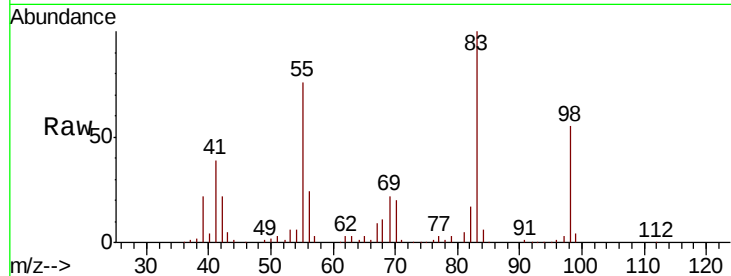
#39
Methvlcvclohexane
Concen: 20.386 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	83.00	Resp	96438
Ion Ratio	100	Lower	Upper
83	100		
55	76.1	59.9	89.9
98	54.8	39.4	59.2

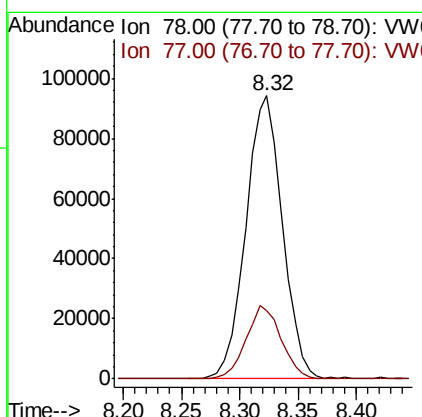
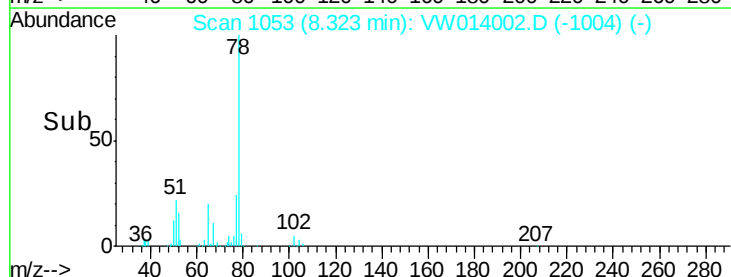
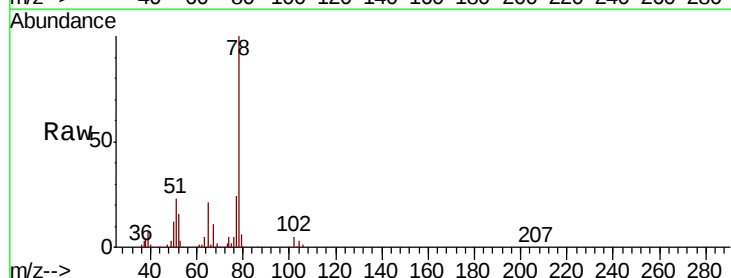
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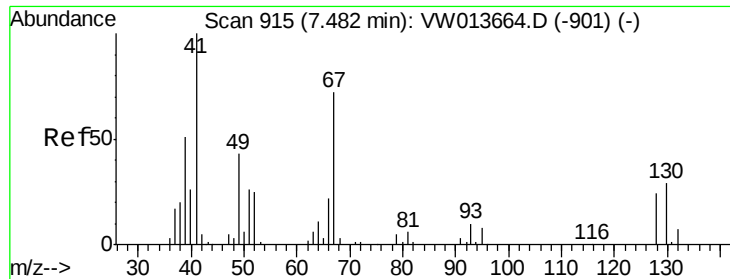
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#40
Benzene
Concen: 19.839 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	78.00	Resp	205666
Ion Ratio	100	Lower	Upper
78	100		
77	24.4	19.6	29.4





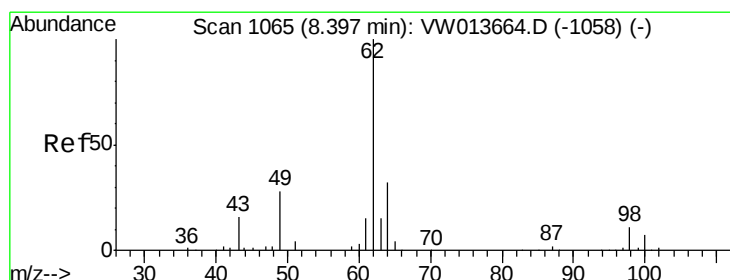
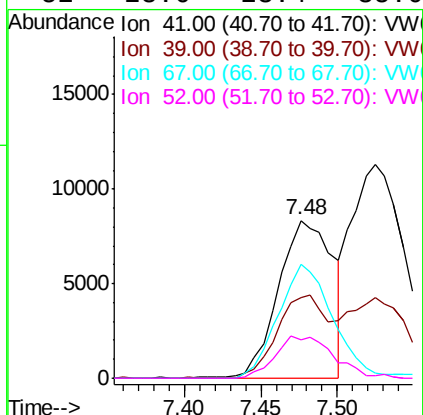
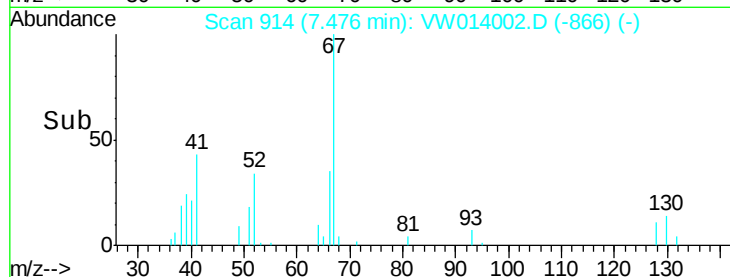
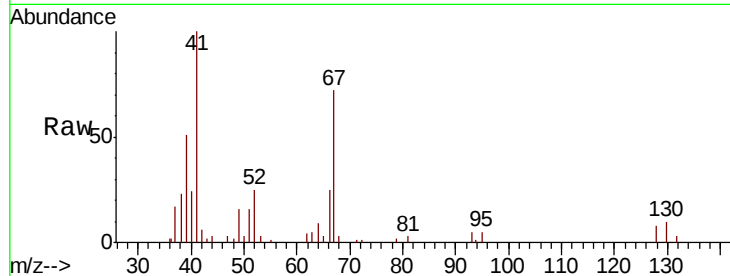
#41
Methacrylonitrile
Concen: 23.717 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion:	41	Resp:	20739
Ion	Ratio	Lower	Upper
41	100		
39	46.0	44.8	67.2
67	71.8	59.3	88.9
52	28.6	23.4	35.0

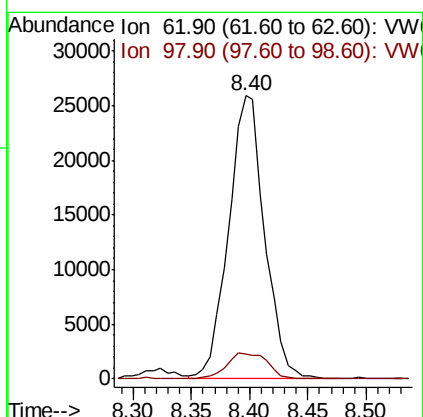
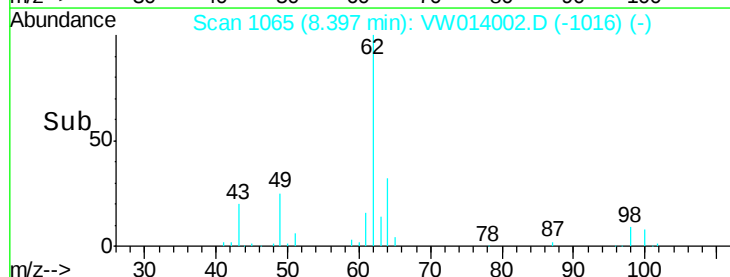
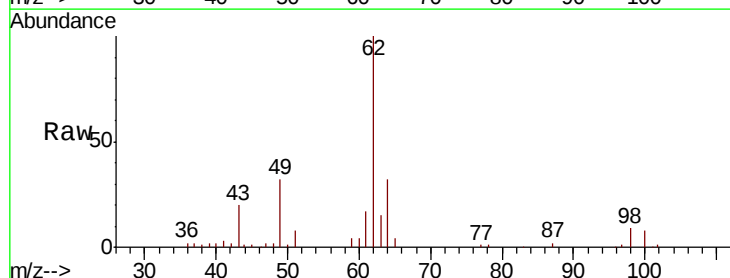
Manual Integrations
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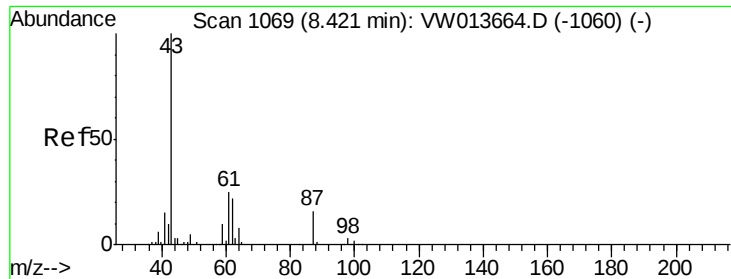
MMDadoda
11/15/2019 10:50:12 AM



#42
1,2-Dichloroethane
Concen: 21.305 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion:	62	Resp:	55657
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.4





#43

Isopropyl Acetate

Concen: 23.651 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

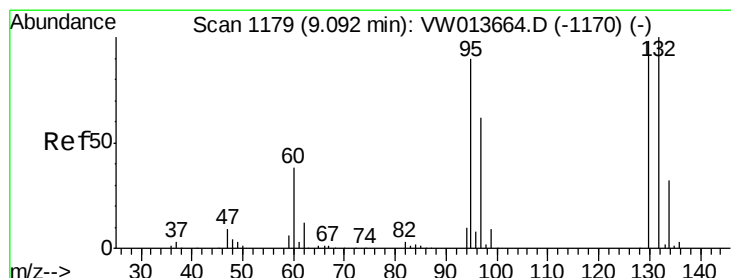
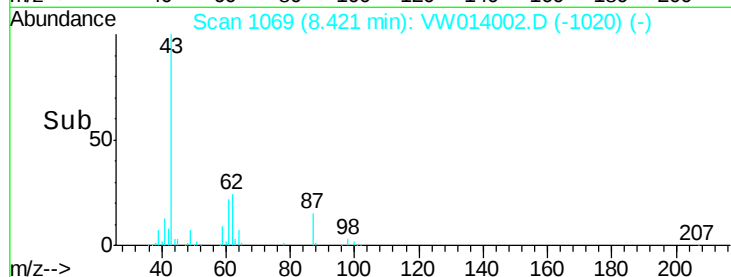
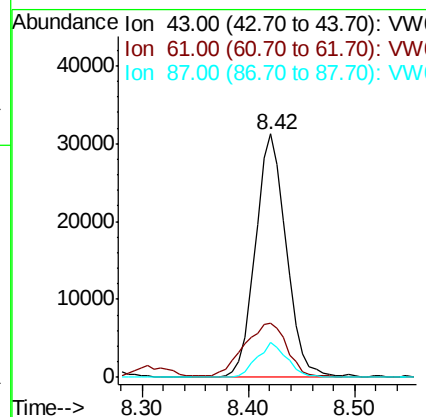
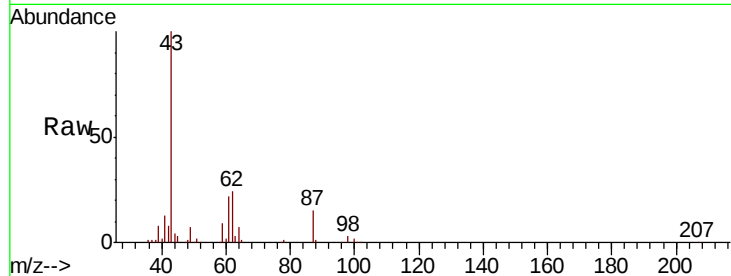
ClientSampleId :

VW1113SBS01

Tot Ion:	43	Resp:	63482
Ion	Ratio	Lower	Upper
43	100		
61	31.4	26.1	39.1
87	13.8	11.4	17.0

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#44

Trichloroethene

Concen: 19.668 ug/l

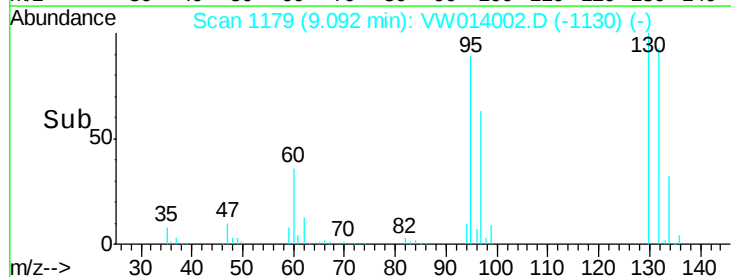
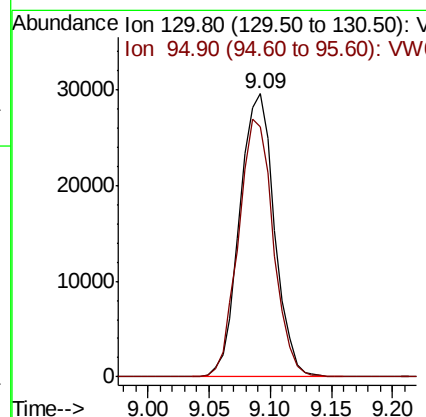
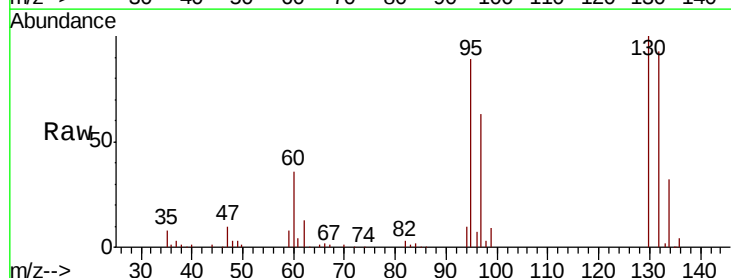
RT: 9.09 min Scan# 1179

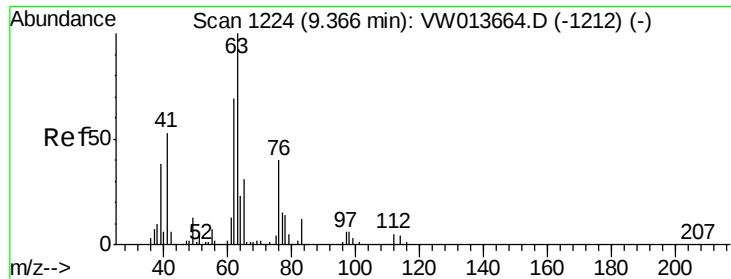
Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	130	Resp:	58405
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	184.6





#45

1,2-Dichloropropane

Concen: 19.730 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 63 Resp: 48855

Ion Ratio Lower Upper

63 100

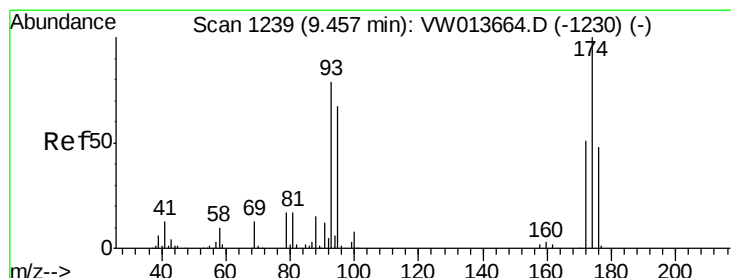
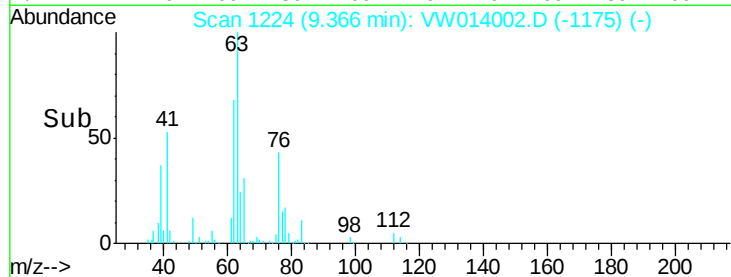
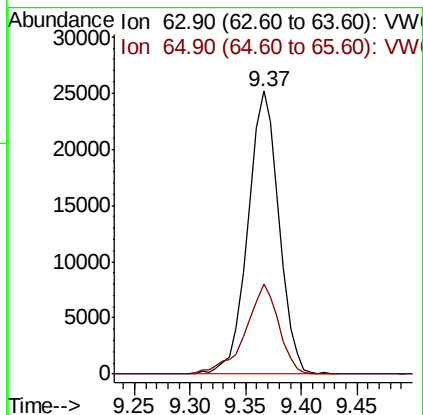
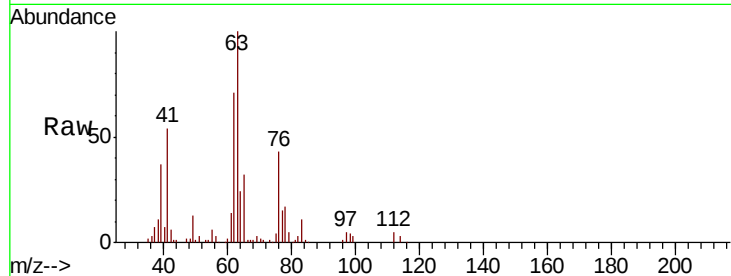
65 31.7 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 21.283 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

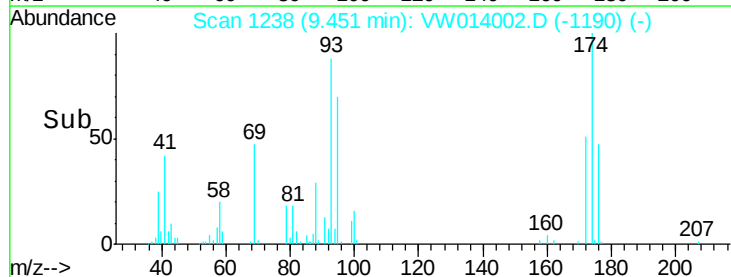
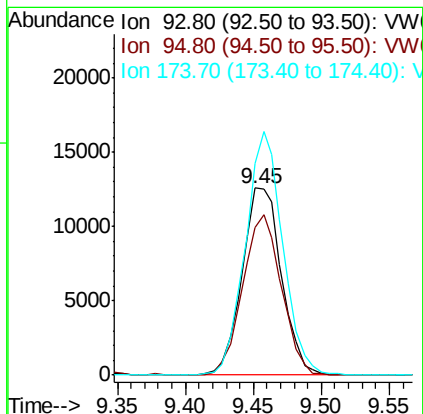
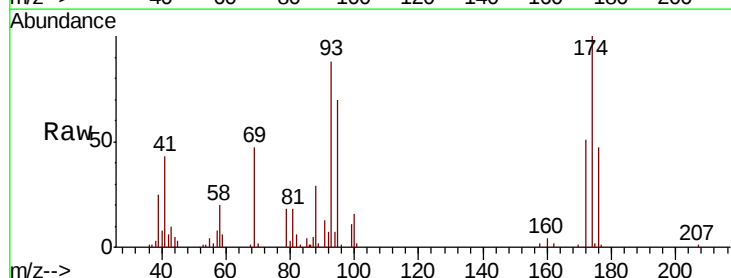
Tgt Ion: 93 Resp: 25579

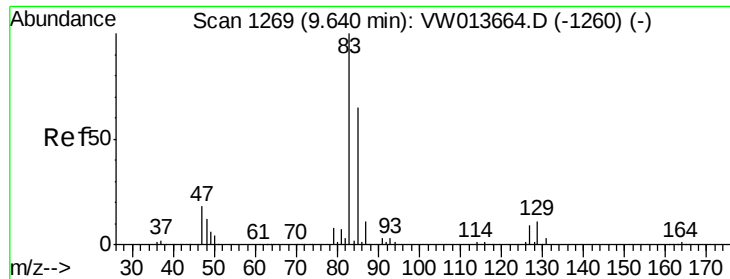
Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 123.3 99.6 149.4





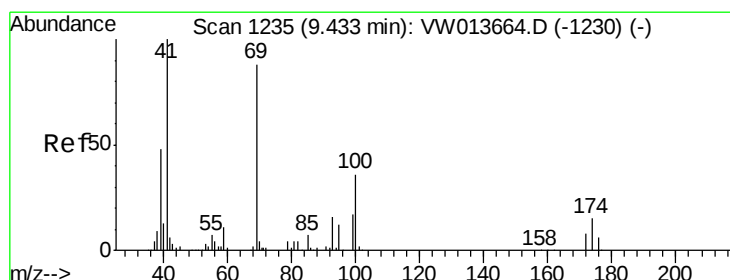
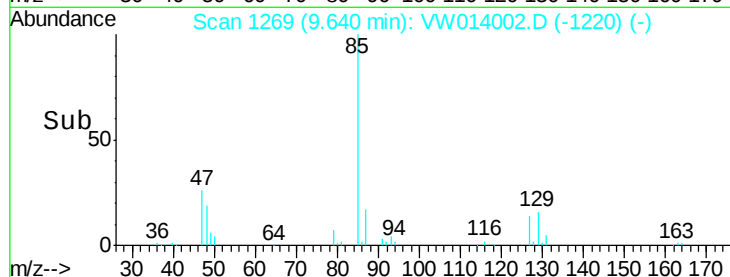
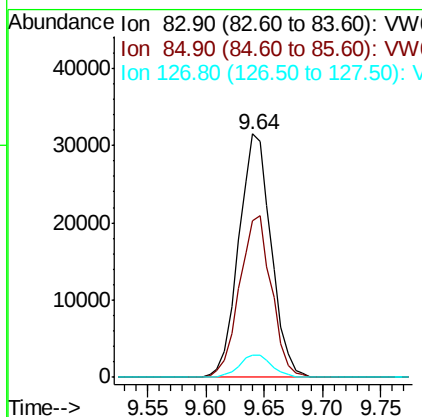
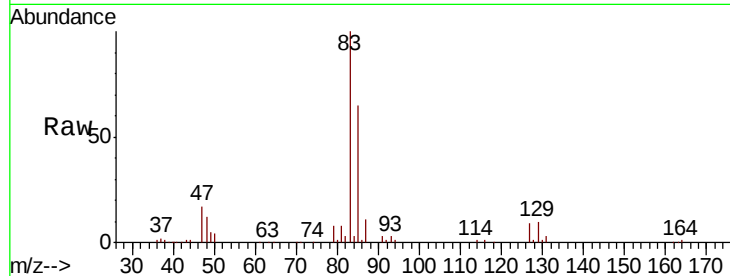
#47
Bromodichloromethane
Concen: 19.596 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	83	Resp	60939
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	9.1	7.3	10.9

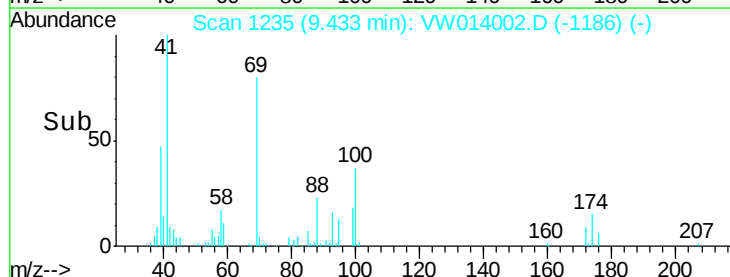
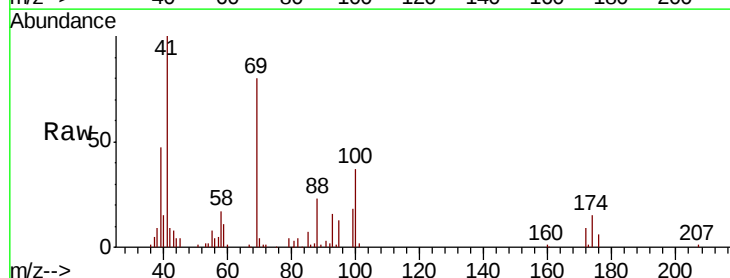
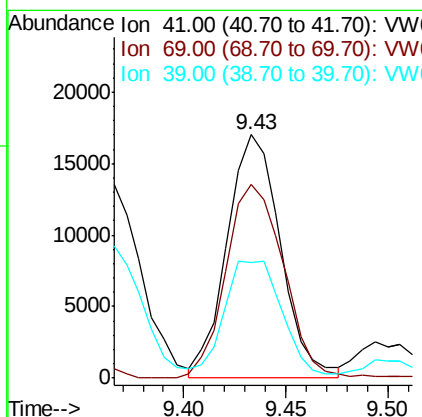
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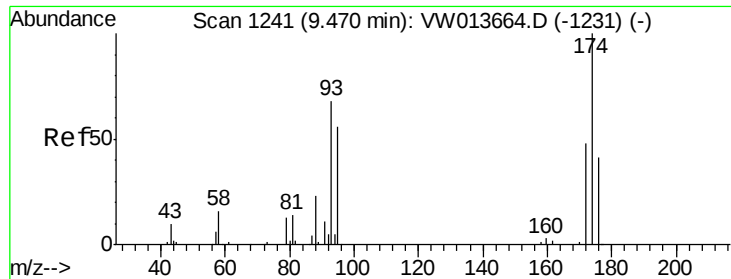
MMDadoda
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#48
Methyl methacrylate
Concen: 23.416 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	41	Resp	31168
Ion Ratio	100	Lower	Upper
41	100		
69	85.9	67.6	101.4
39	48.3	38.6	58.0





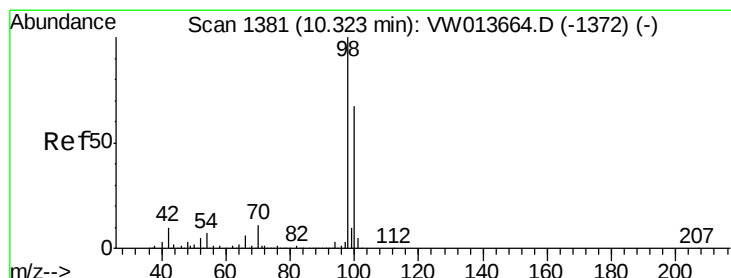
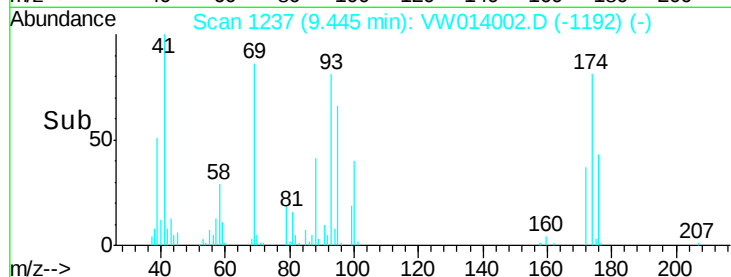
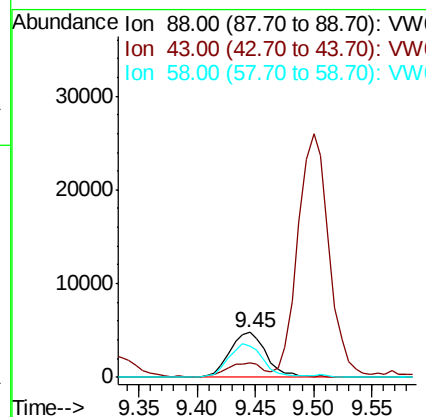
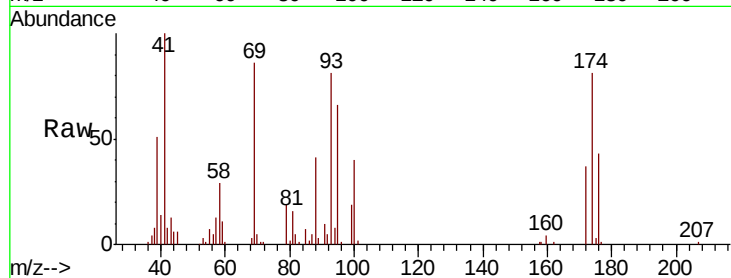
#49
1,4-Dioxane
Concen: 591.791 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	88	Resp	10510
Ion Ratio	Lower	Upper	
88	100		
43	31.8	0.0	0.0#
58	70.7	58.9	88.3

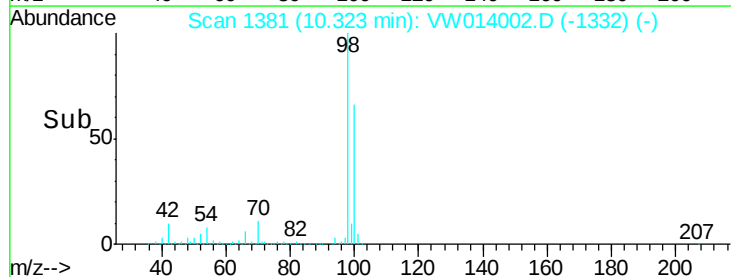
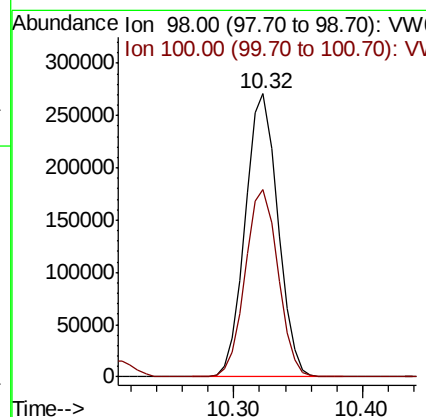
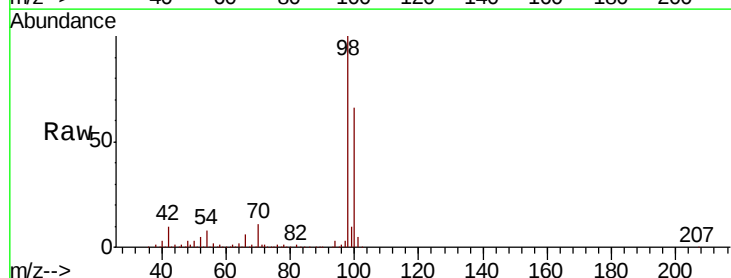
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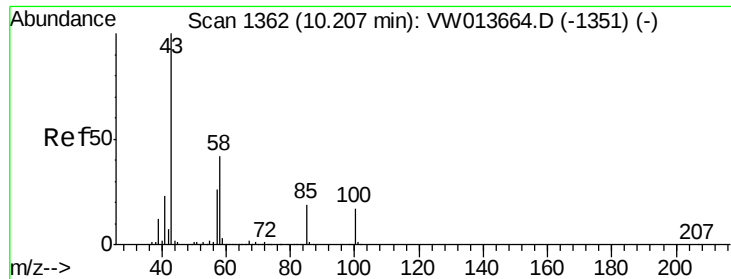
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#50
Toluene-d8
Concen: 53.306 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	98	Resp	474735
Ion Ratio	Lower	Upper	
98	100		
100	66.7	53.4	80.0





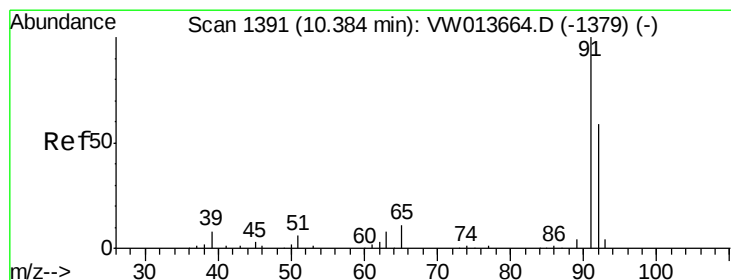
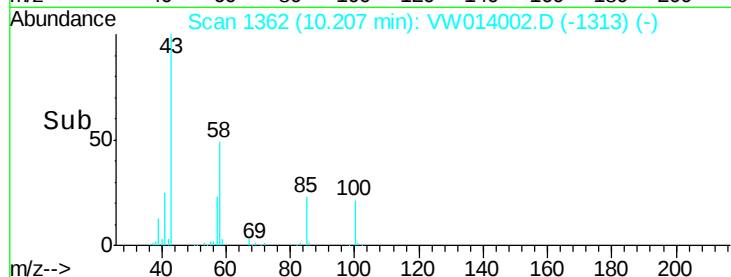
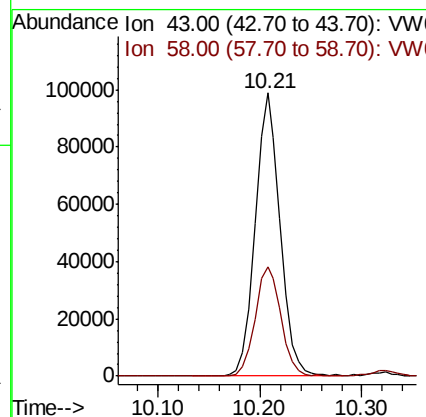
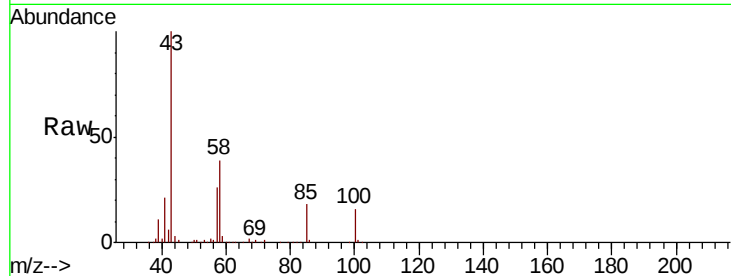
#51
4-Methyl-2-Pentanone
Concen: 125.781 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	43	Resp	167766
Ion Ratio	43	100	
Lower	58	40.4	32.6
Upper			49.0

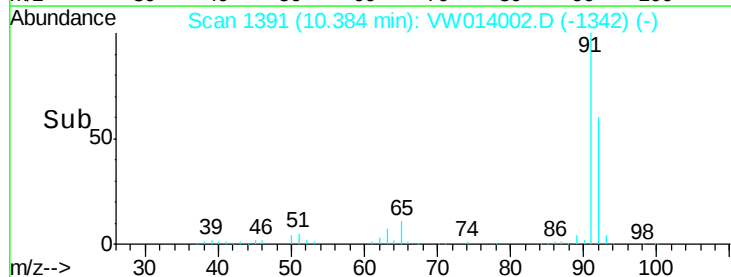
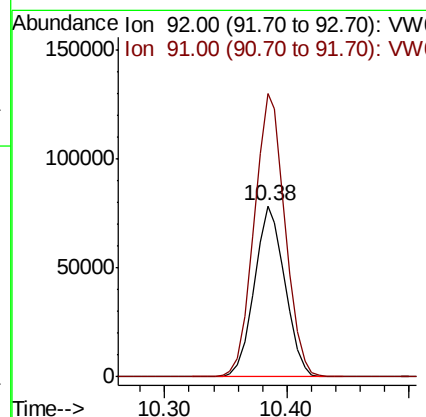
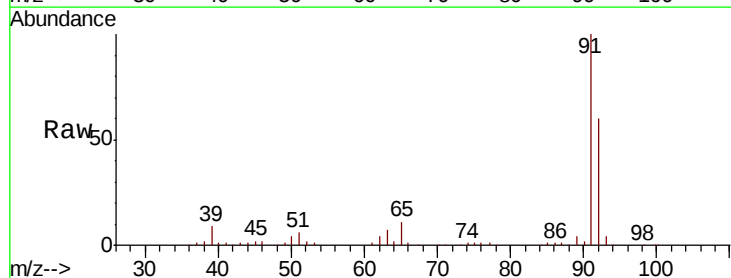
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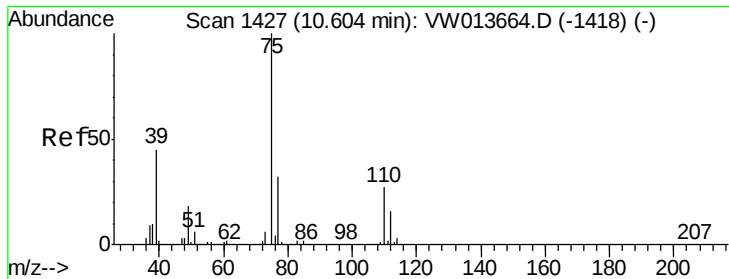
MMDadoda
11/15/2019 10:50:12 AM



#52
Toluene
Concen: 20.319 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	92	Resp	135877
Ion Ratio	92	100	
Lower	91	167.4	134.5
Upper			201.7





#53

t-1,3-Dichloropropene

Concen: 20.218 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 75 Resp: 63646

Ion Ratio Lower Upper

75 100

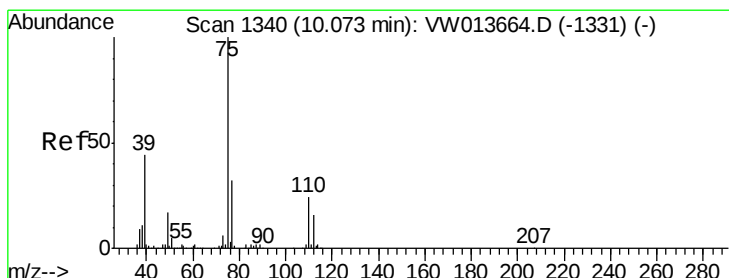
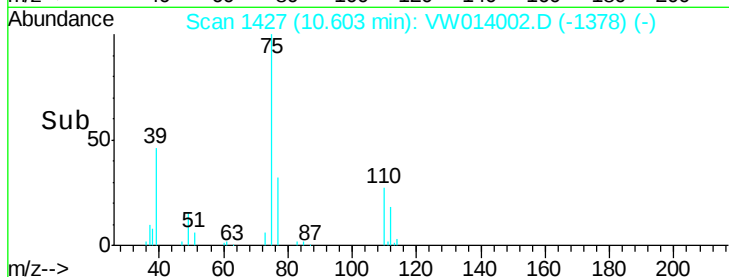
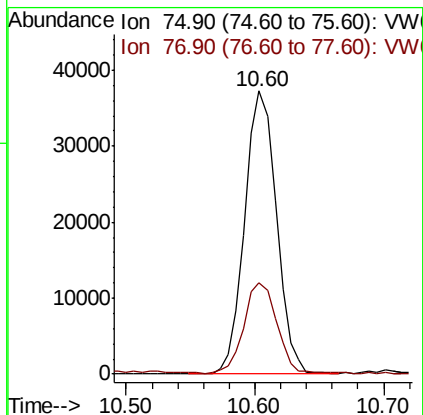
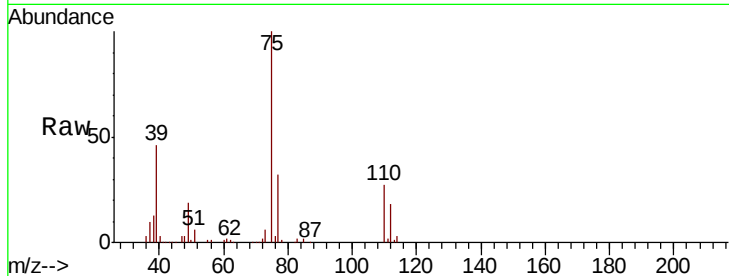
77 31.6 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 19.797 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

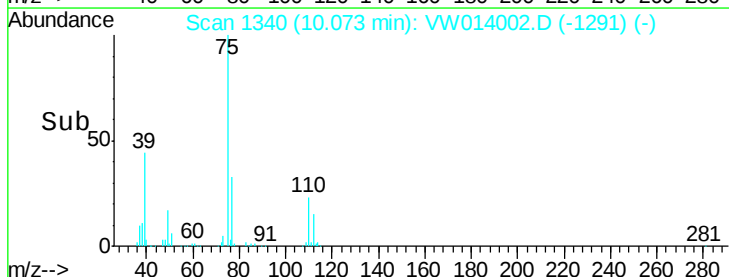
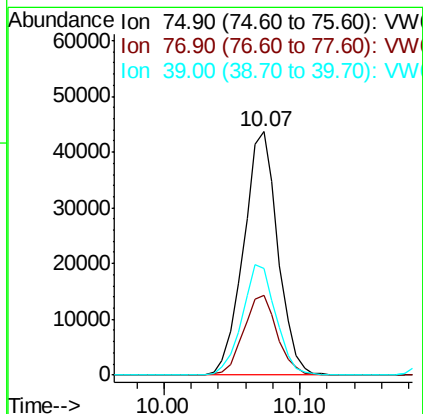
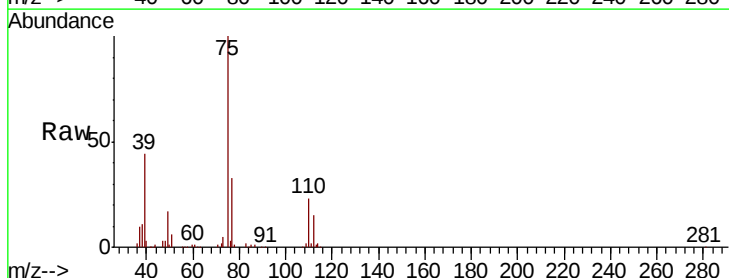
Tgt Ion: 75 Resp: 76889

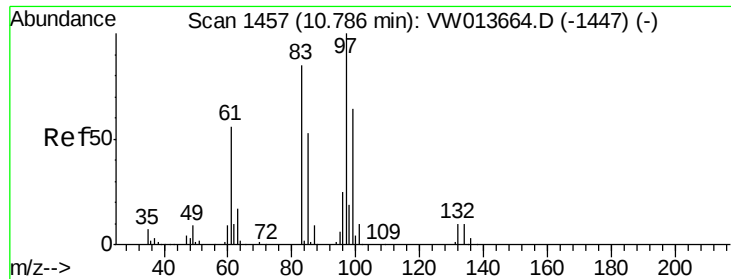
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6

39 43.9 35.3 52.9





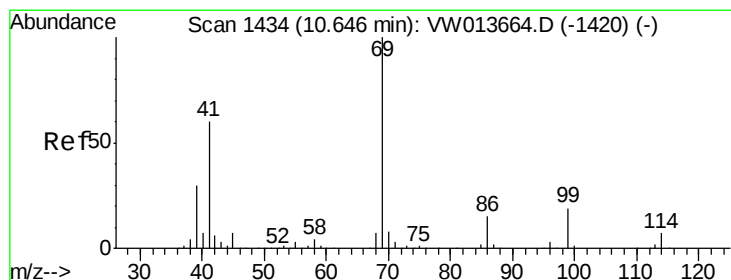
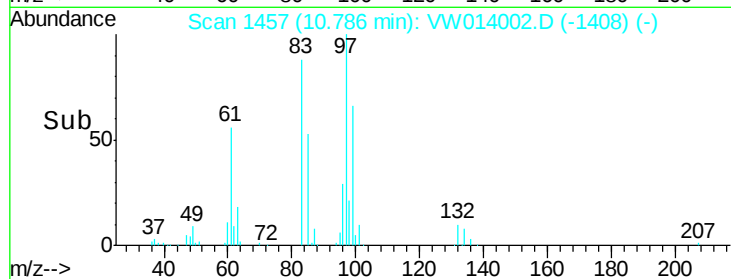
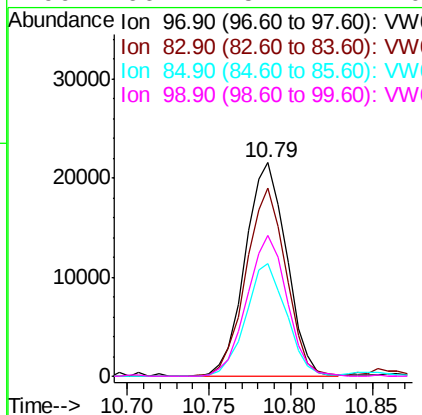
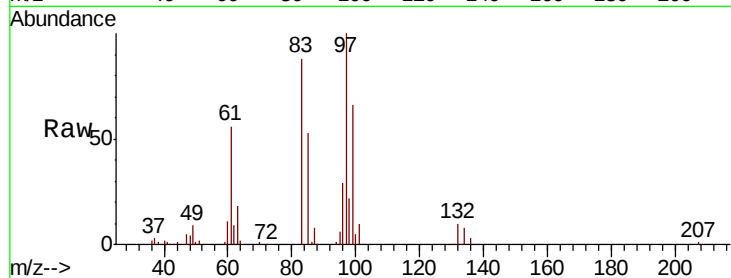
#55
1,1,2-Trichloroethane
Concen: 21.176 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion:	97	Resp:	37929
Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.8	101.8
85	52.9	42.1	63.1
99	66.1	51.4	77.0

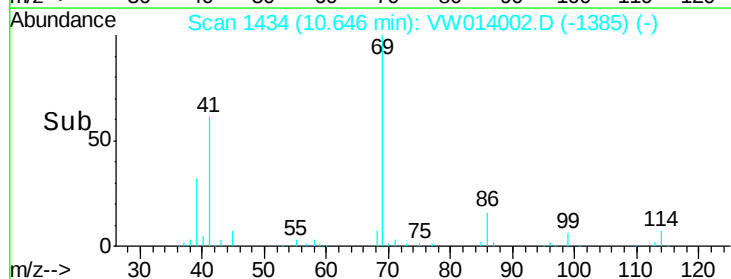
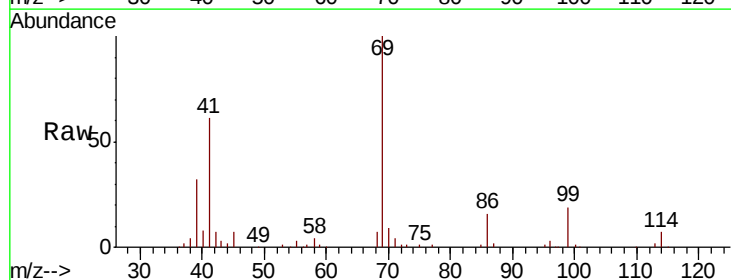
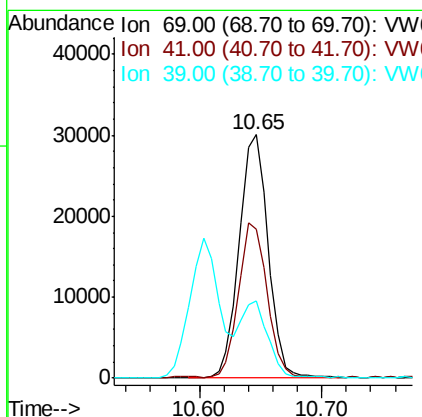
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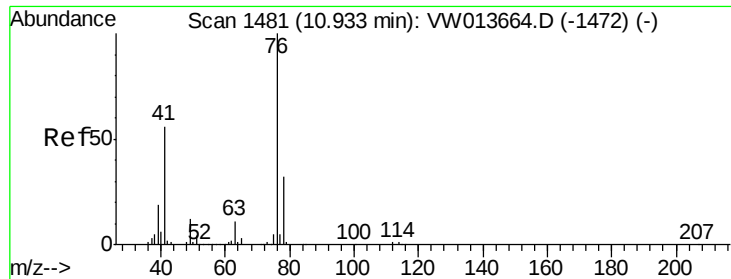
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#56
Ethyl methacrylate
Concen: 22.149 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion:	69	Resp:	49634
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.6	77.4
39	29.0	22.4	33.6





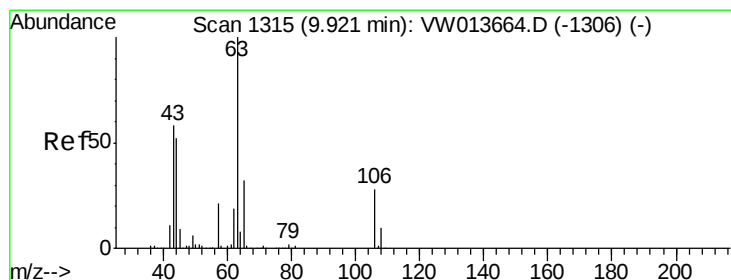
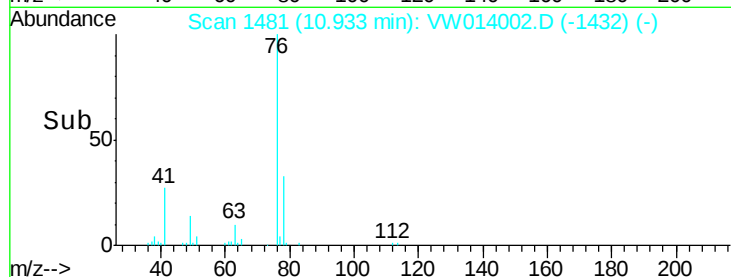
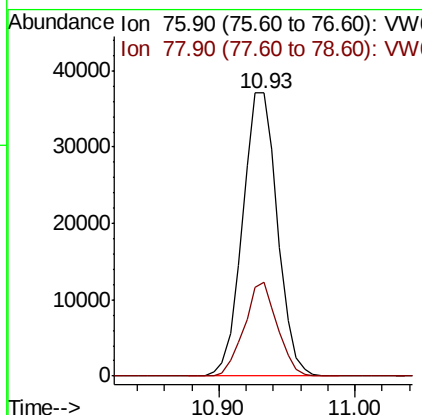
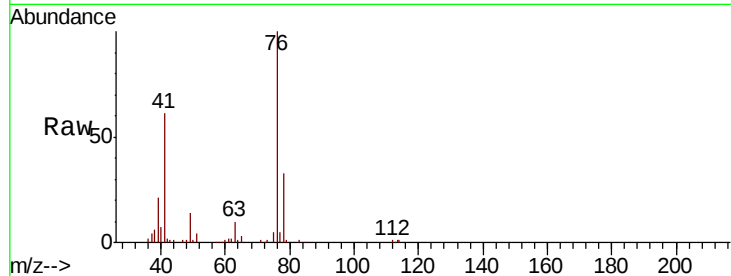
#57
 1,3-Dichloropropane
 Concen: 21.621 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion: 76 Resp: 66457
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.0 39.0

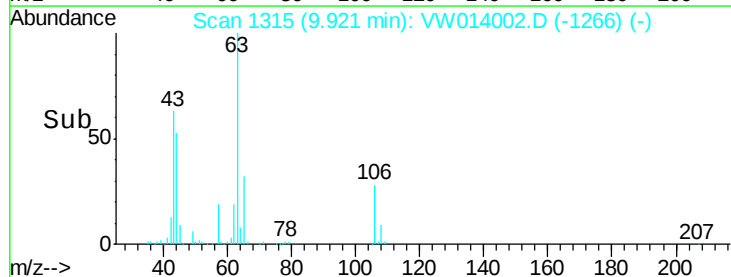
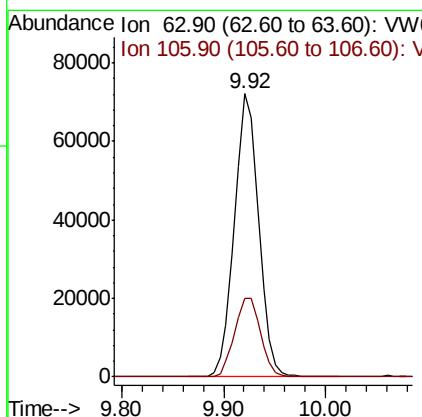
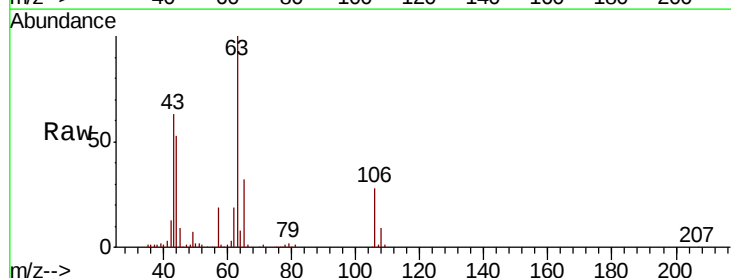
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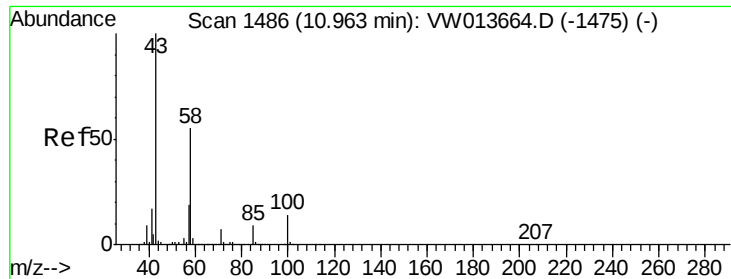
MMDadoda
 11/15/2019 10:50:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.799 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Tgt Ion: 63 Resp: 118400
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





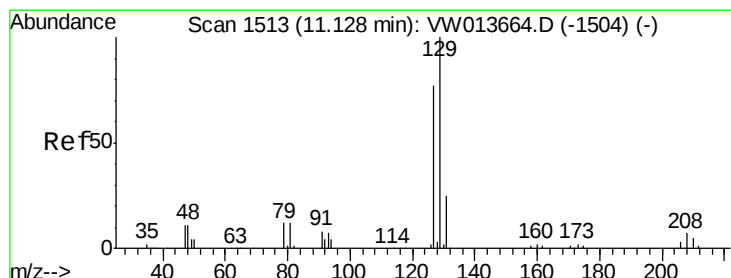
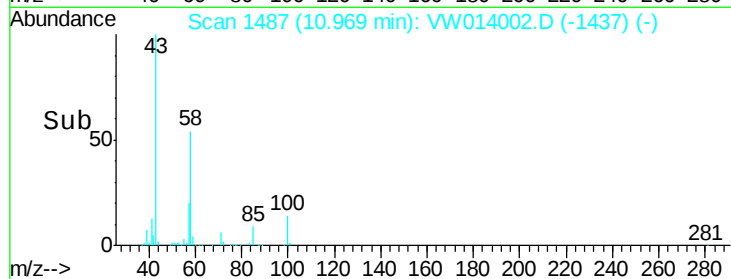
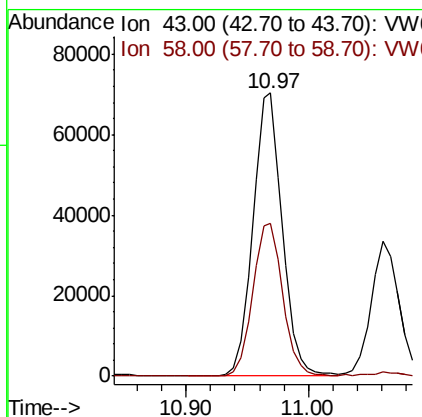
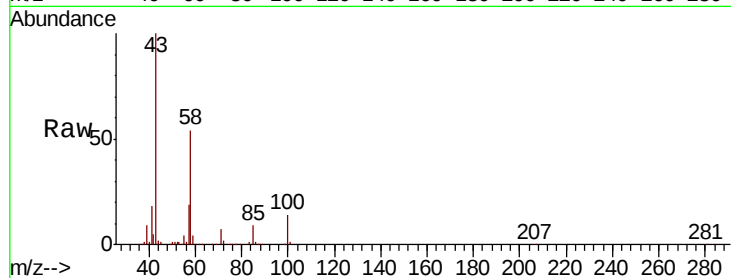
#59
2-Hexanone
Concen: 127.837 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion: 43 Resp: 117548
Ion Ratio Lower Upper
43 100
58 55.2 27.9 83.7

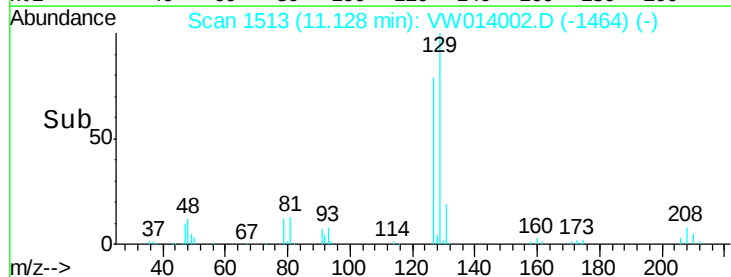
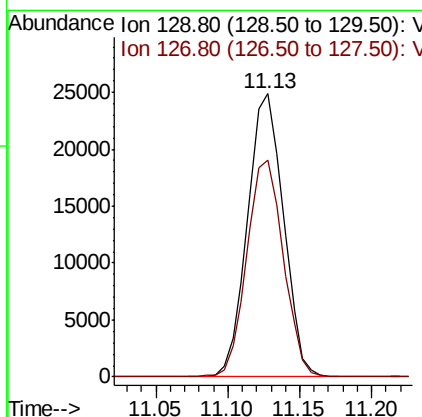
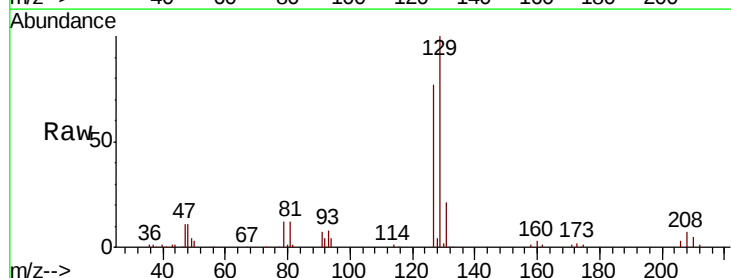
Manual Integrations
APPROVED

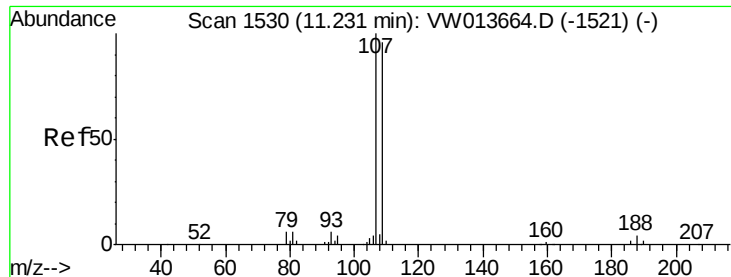
MMDadoda
11/15/2019 10:50:12 AM



#60
Dibromochloromethane
Concen: 20.203 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion: 129 Resp: 42965
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





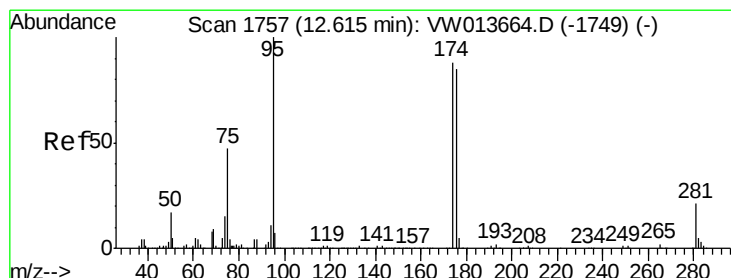
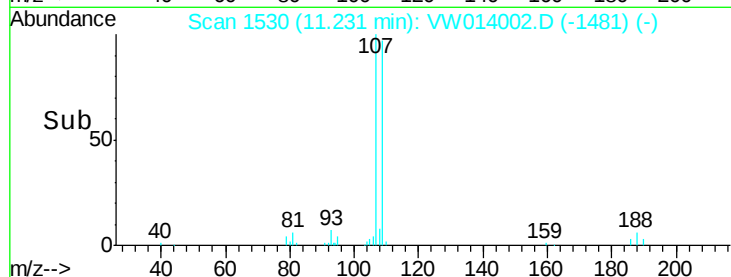
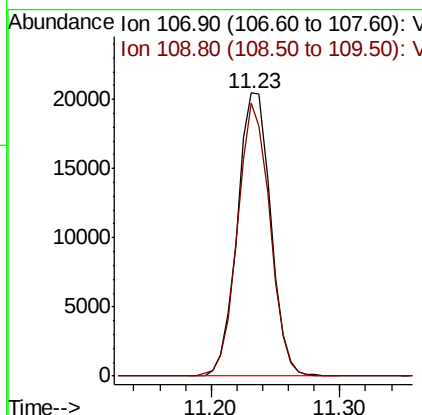
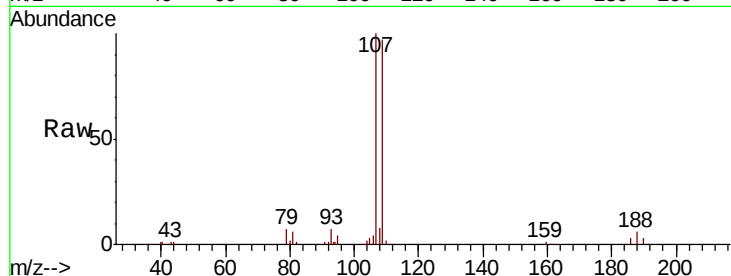
#61
 1,2-Dibromoethane
 Concen: 21.541 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5

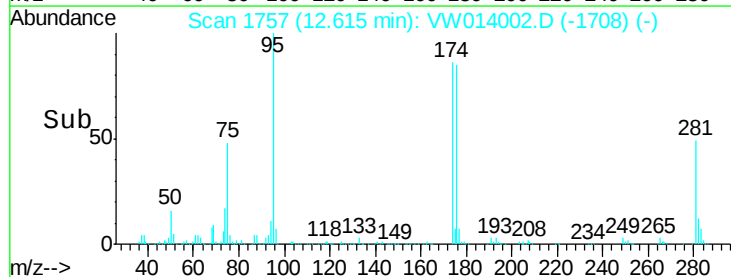
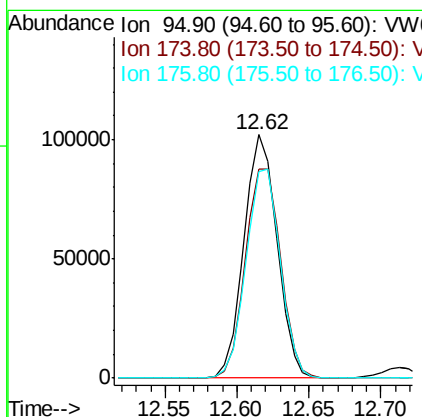
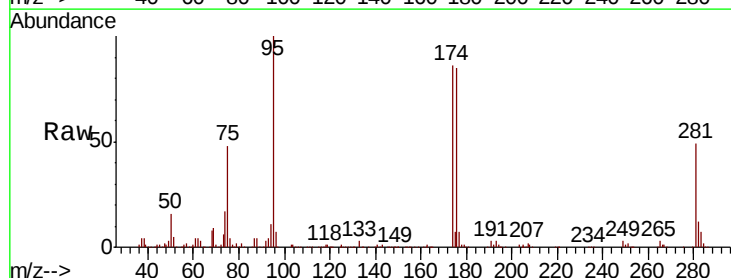
Manual Integrations
 APPROVED

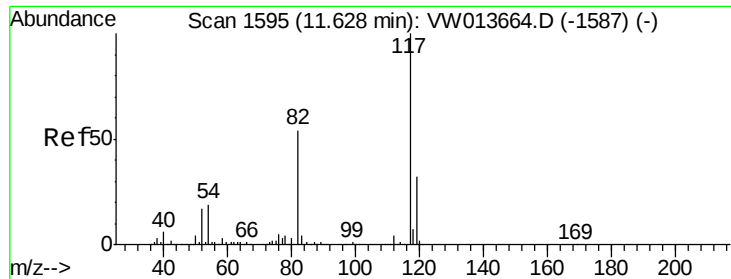
MMDadoda
 11/15/2019 10:50:12 AM



#62
 4-Bromofluorobenzene
 Concen: 53.885 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	183.6
176	88.7	0.0	178.0





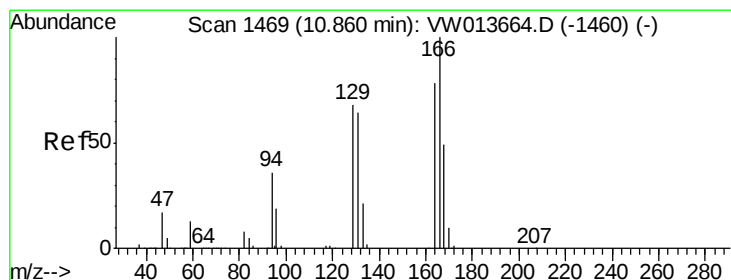
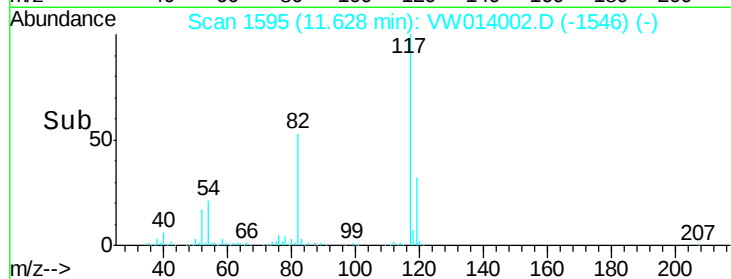
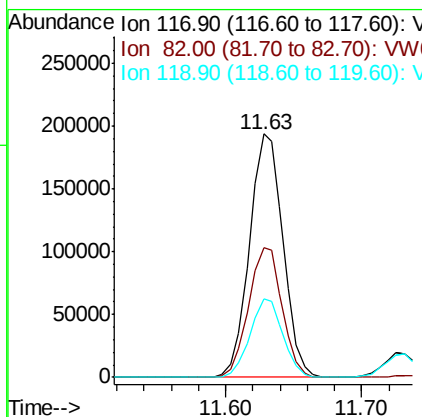
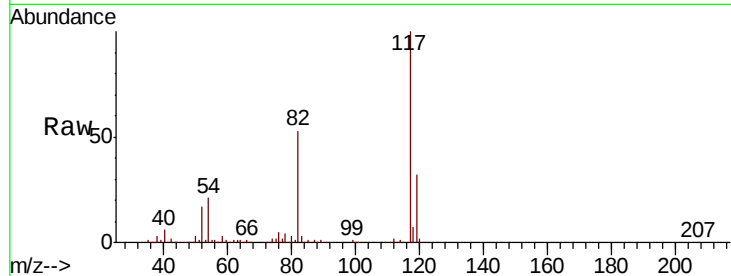
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	53.2	43.6	65.4	
119	32.3	25.4	38.2	

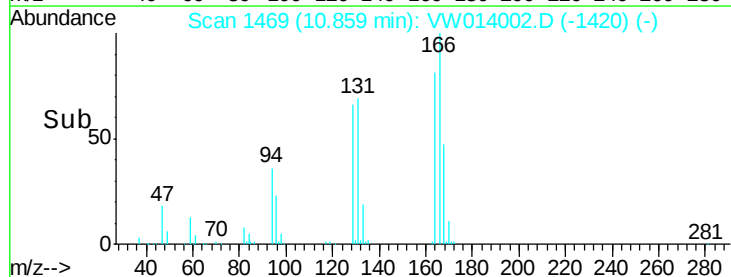
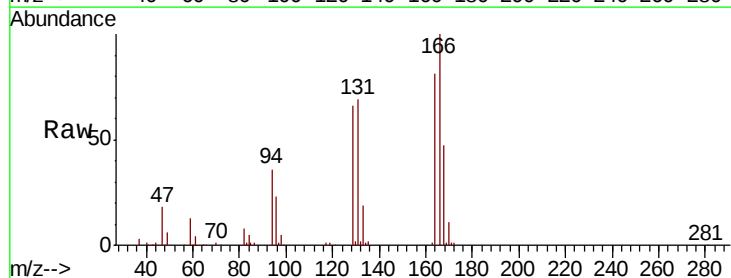
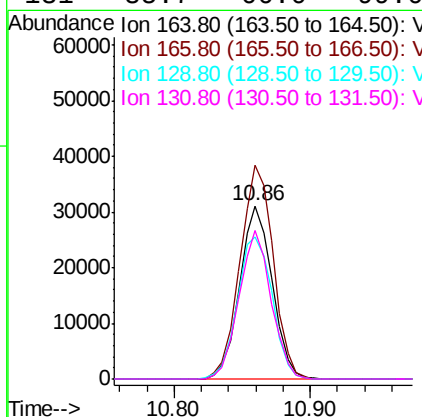
Manual Integrations
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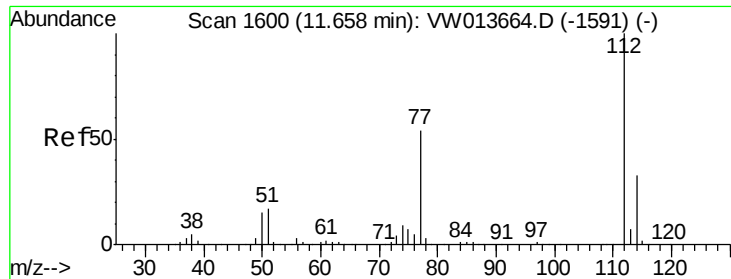
MMDadoda
11/15/2019 10:50:12 AM



#64
Tetrachloroethene
Concen: 20.233 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	123.3	103.2	154.8	
129	81.9	70.6	105.8	
131	85.7	66.0	99.0	





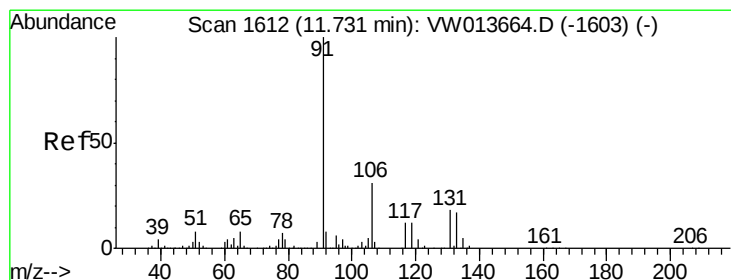
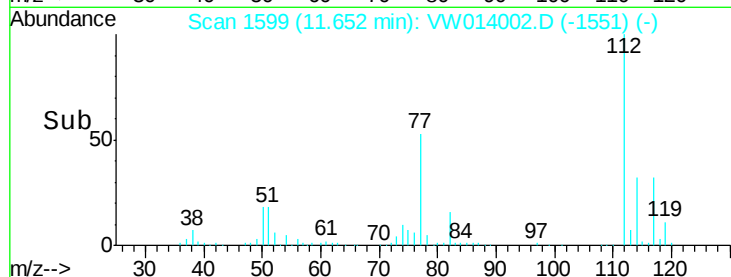
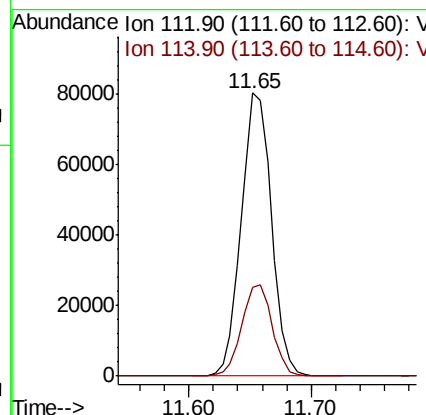
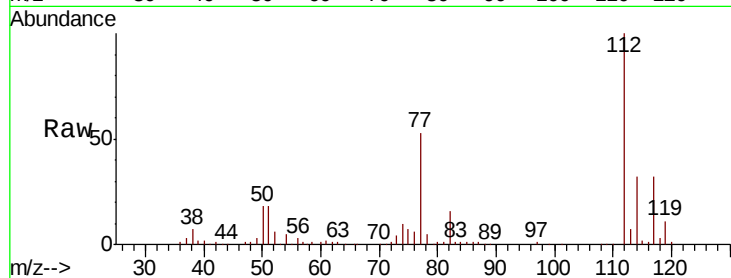
#65
Chlorobenzene
Concen: 19.969 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion:112 Resp: 137526
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.4

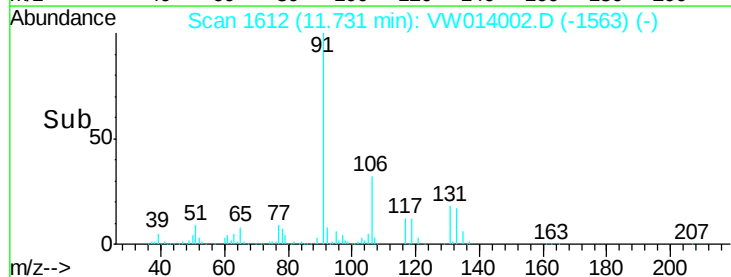
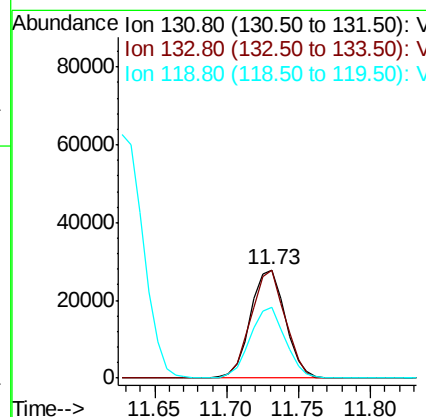
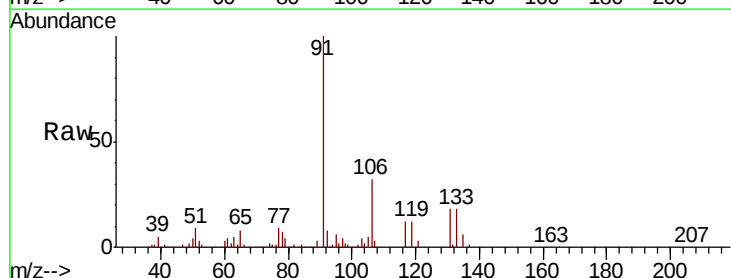
Manual Integrations
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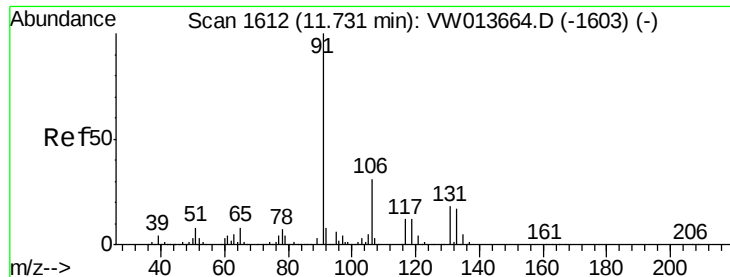
MMDadoda
11/15/2019 10:50:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.430 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion:131 Resp: 46702
Ion Ratio Lower Upper
131 100
133 98.1 47.4 142.3
119 65.8 33.1 99.2





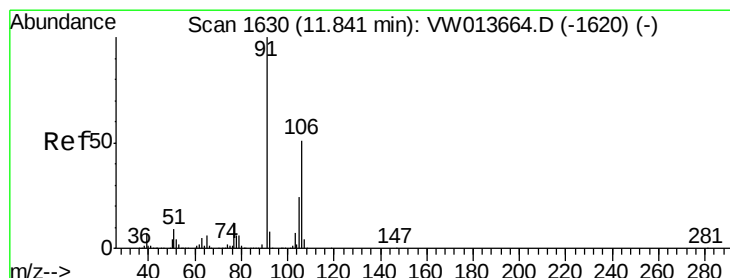
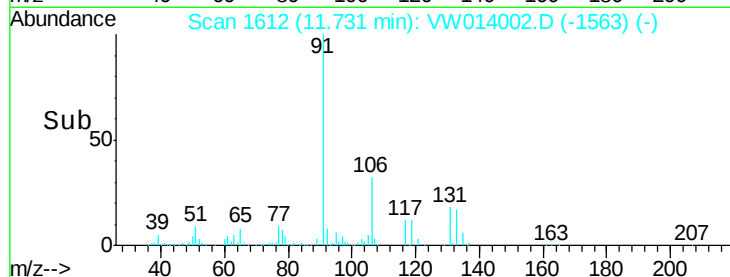
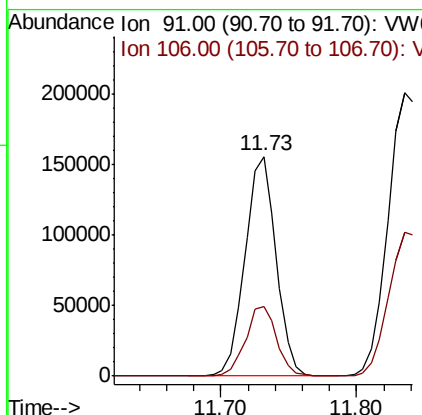
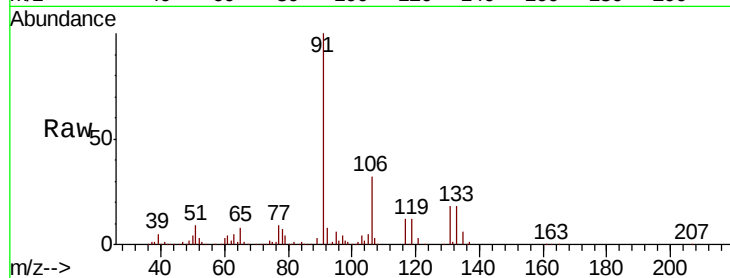
#67
Ethyl Benzene
Concen: 20.043 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion: 91 Resp: 248906
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

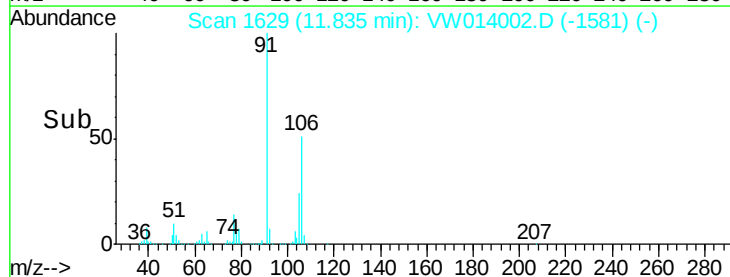
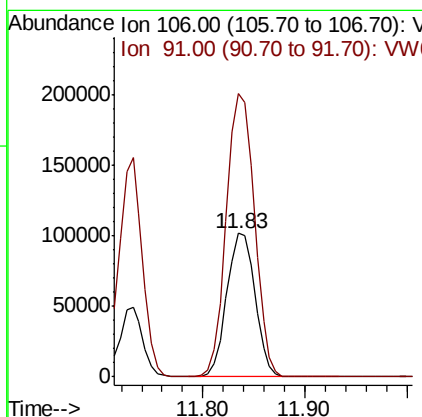
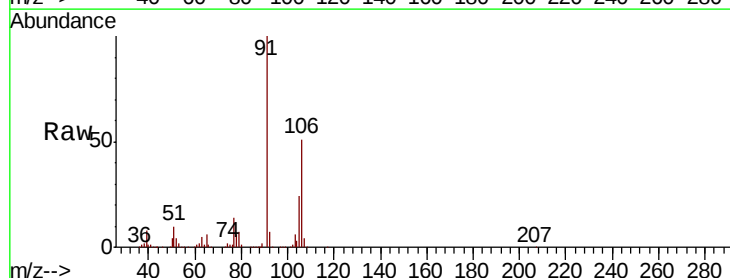
Manual Integrations
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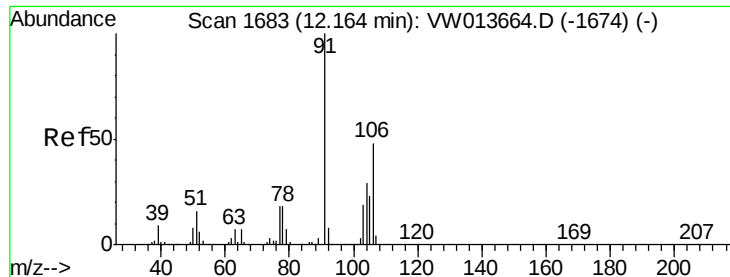
MMDadoda
11/15/2019 10:50:12 AM



#68
m/p-Xylenes
Concen: 40.582 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion: 106 Resp: 194713
Ion Ratio Lower Upper
106 100
91 197.2 159.2 238.8





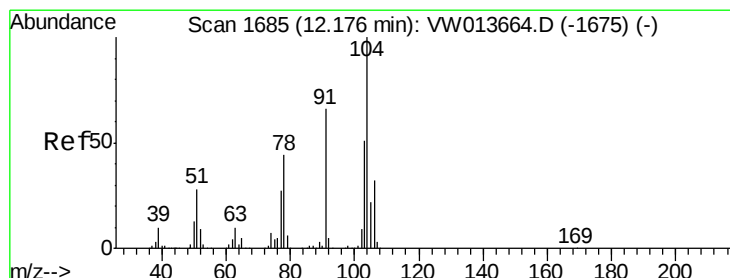
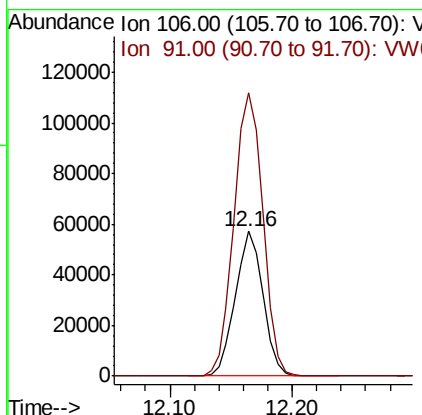
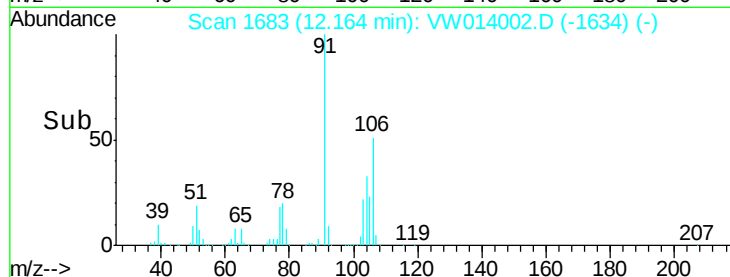
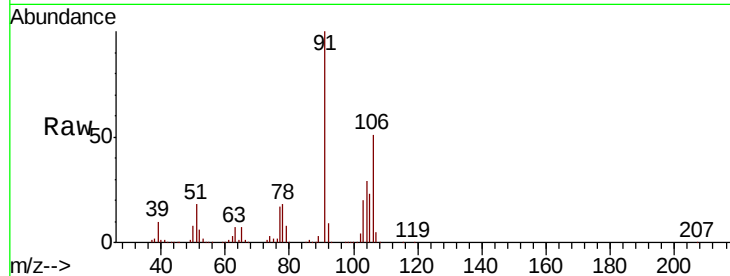
#69
o-Xylene
Concen: 20.174 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion:106 Resp: 88969
Ion Ratio Lower Upper
106 100
91 205.2 104.9 314.7

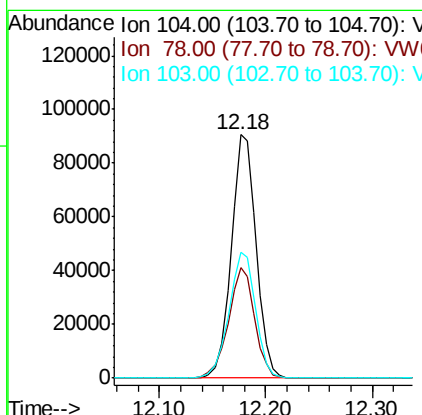
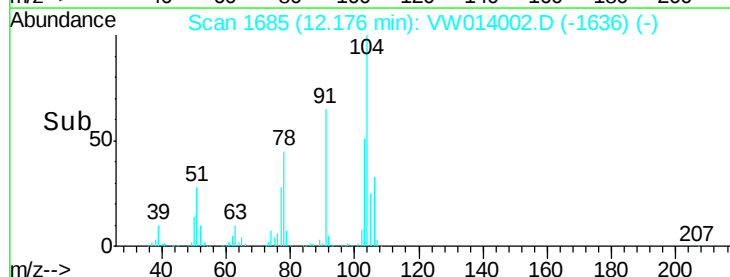
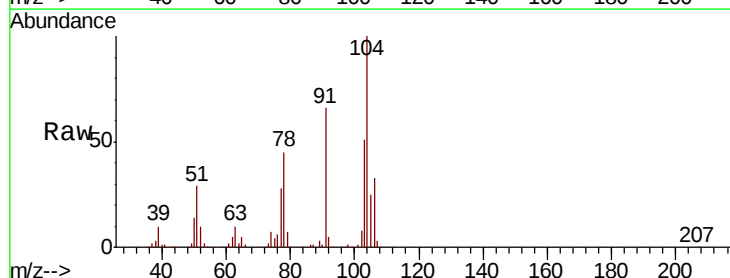
Manual Integrations
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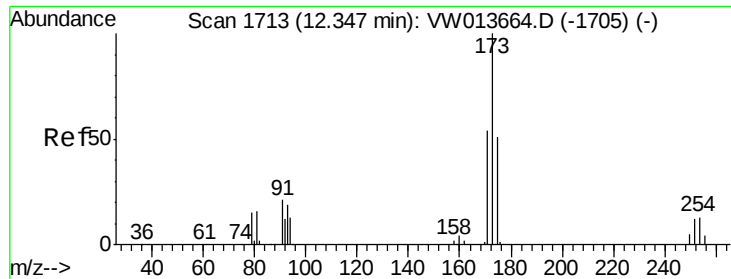
MMDadoda
11/15/2019 10:50:12 AM



#70
Styrene
Concen: 19.533 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion:104 Resp: 148005
Ion Ratio Lower Upper
104 100
78 47.9 37.1 55.7
103 55.3 43.6 65.4





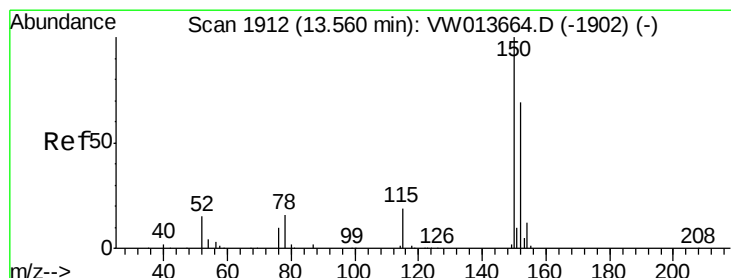
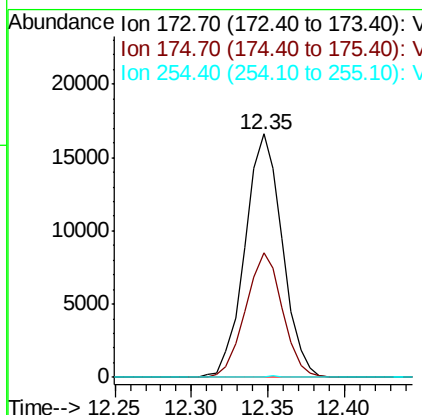
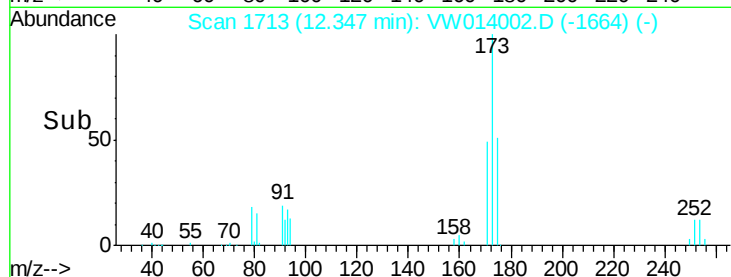
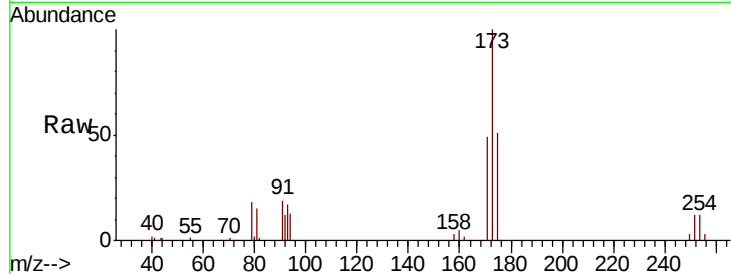
#71
Bromoform
Concen: 22.290 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	25.2	75.6
254	0.2	0.1	0.1#

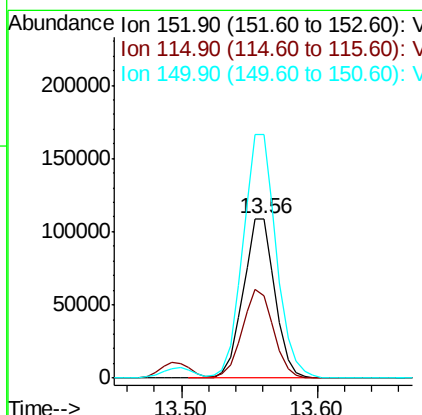
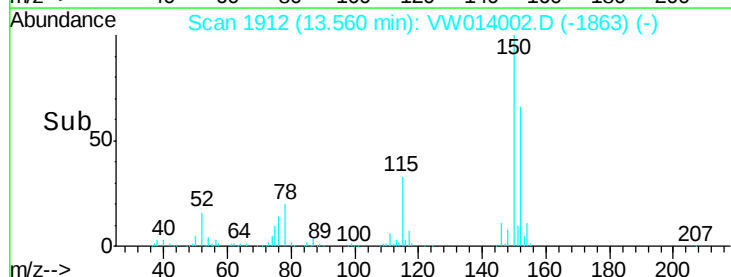
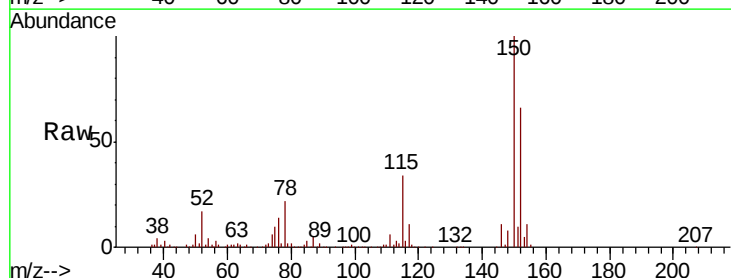
Manual Integrations
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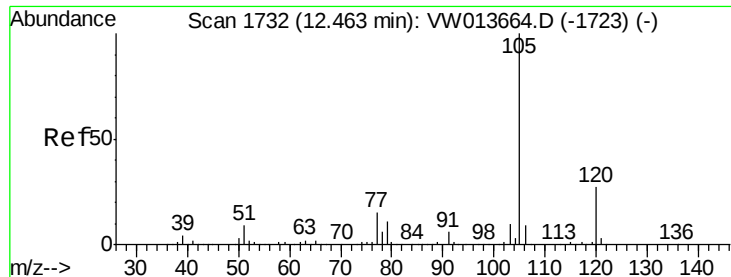
MMDadoda
11/15/2019 10:50:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.4	82.2
150	160.6	0.0	345.4





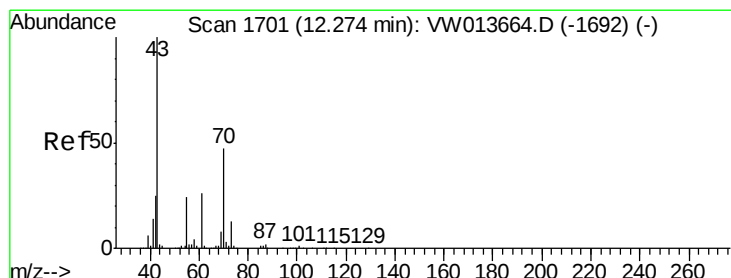
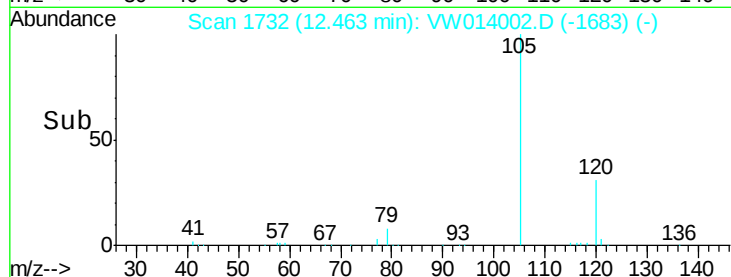
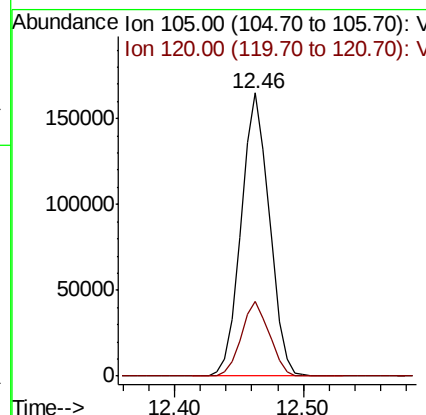
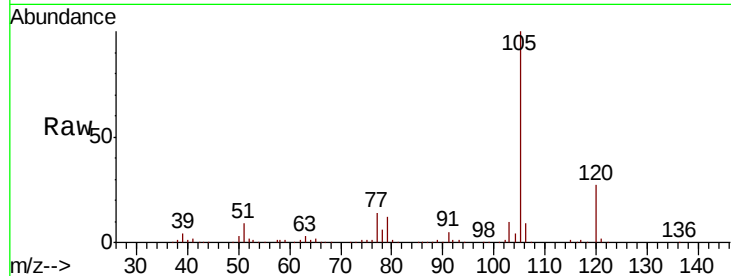
#73
Isopropylbenzene
Concen: 19.718 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.5	40.4

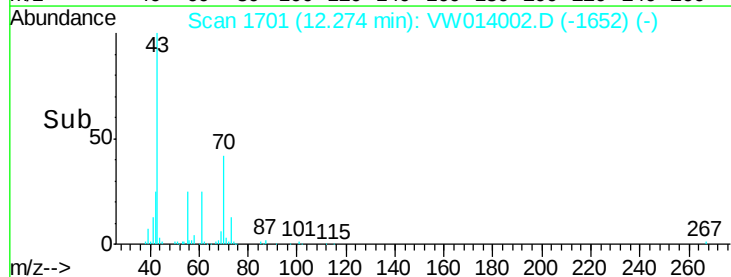
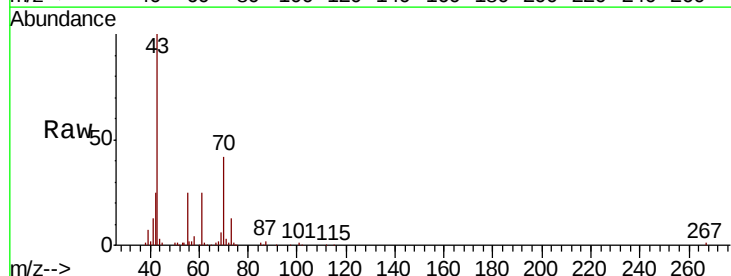
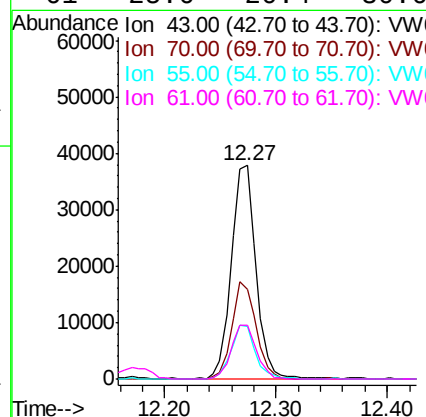
Manual Integrations
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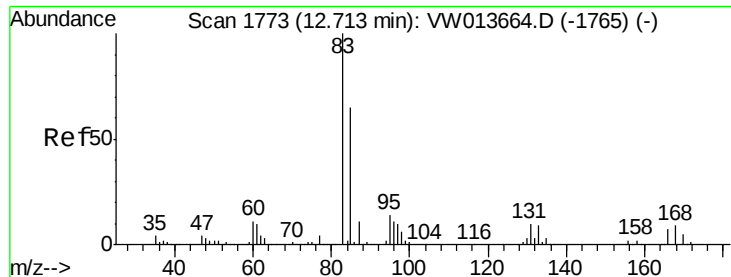
MMDadoda
11/15/2019 10:50:12 AM



#74
N-ethyl acetate
Concen: 23.661 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	36.6	55.0
55	25.2	20.3	30.5
61	25.6	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.039 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

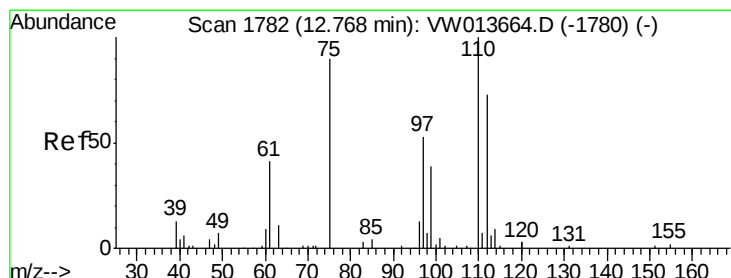
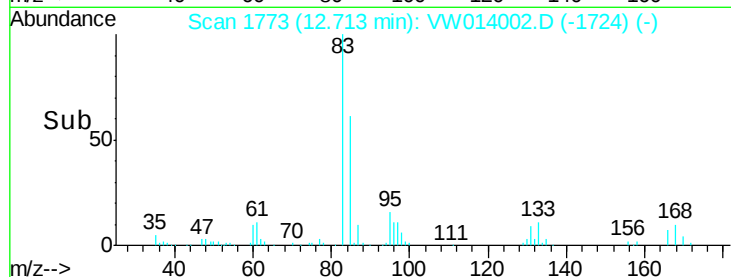
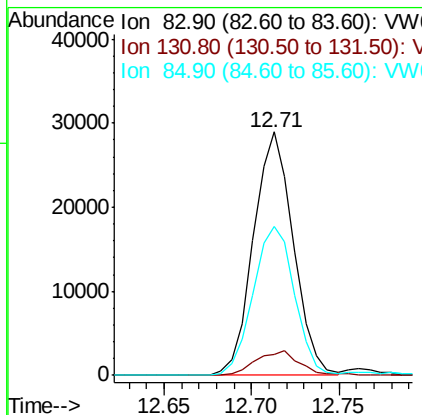
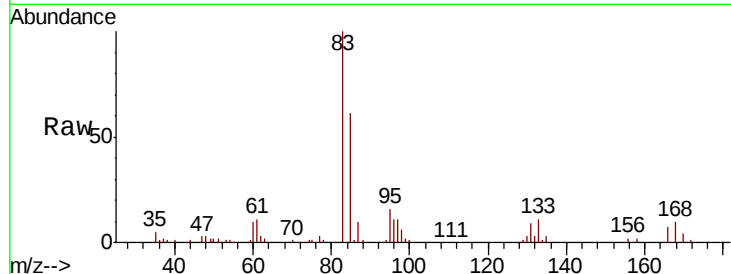
ClientSampleId :

VW1113SBS01

Tot Ion:	83	Resp:	46191
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	63.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.821 ug/l m

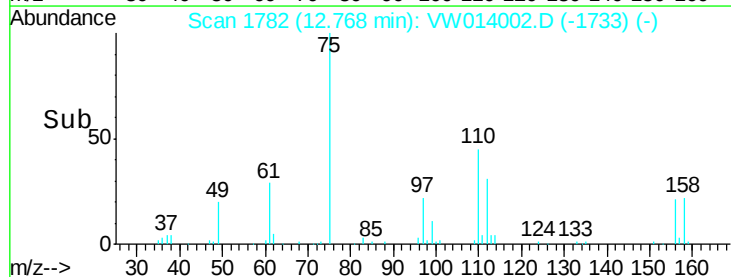
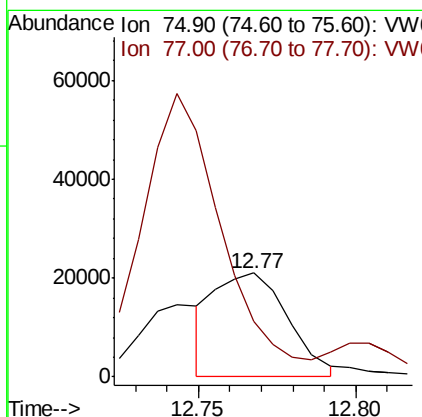
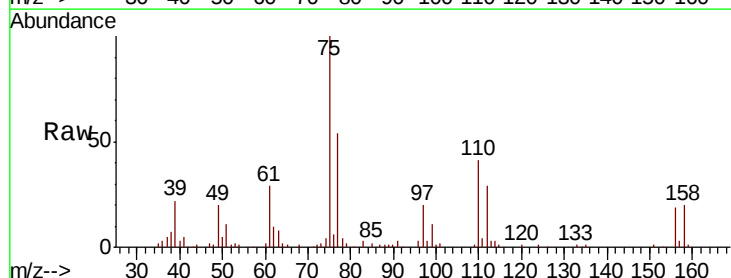
RT: 12.77 min Scan# 1782

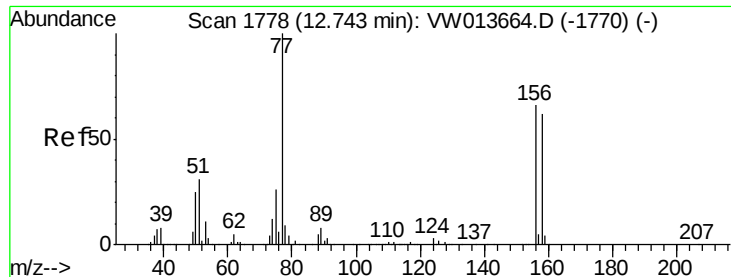
Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	75	Resp:	34077
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.716 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion:156 Resp: 59839

Ion Ratio Lower Upper

156 100

77 171.2 82.9 248.7

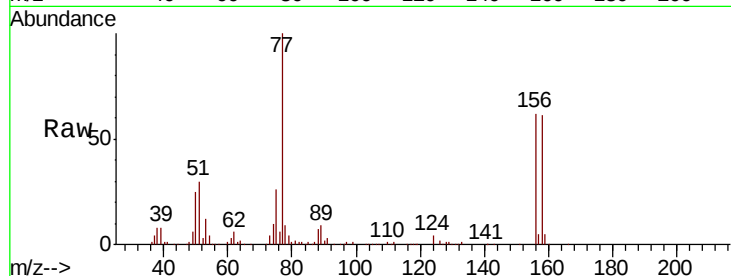
158 96.9 48.4 145.2

Manual Integrations

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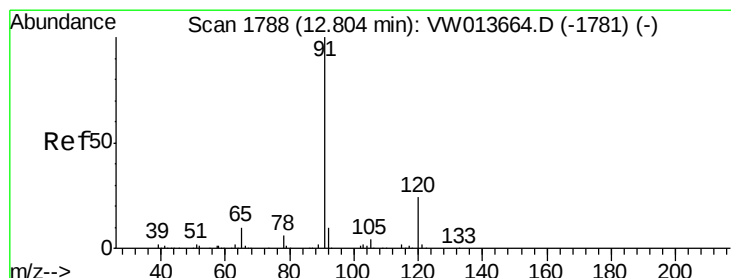
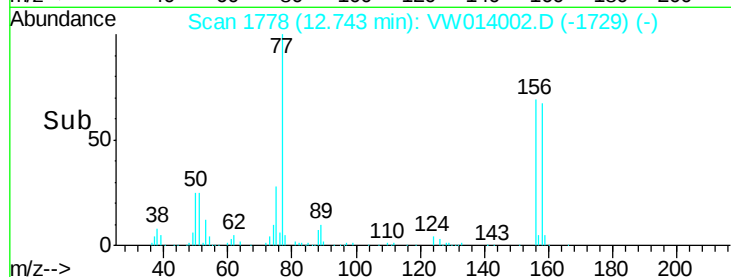
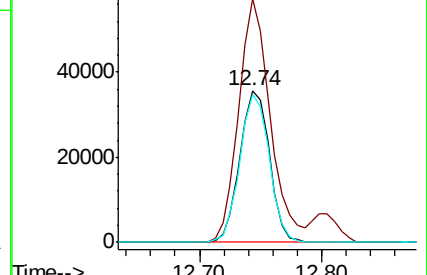
11/15/2019 10:50:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.021 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014002.D

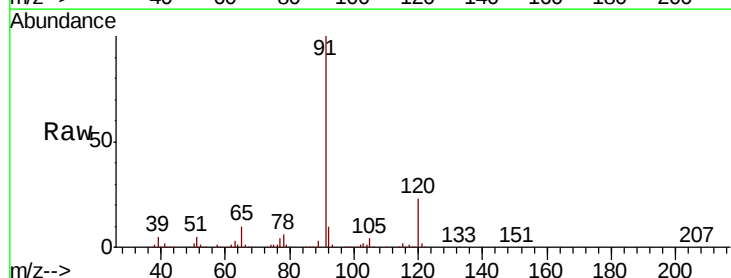
Acq: 13 Nov 2019 13:14

Tgt Ion: 91 Resp: 294414

Ion Ratio Lower Upper

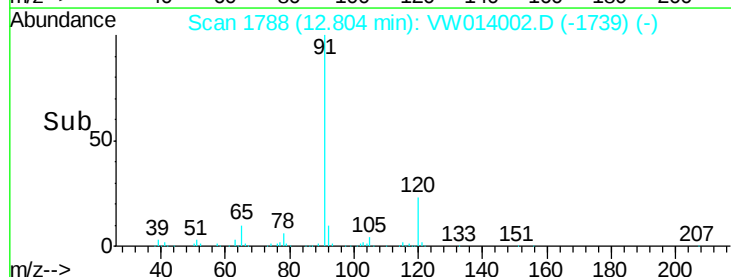
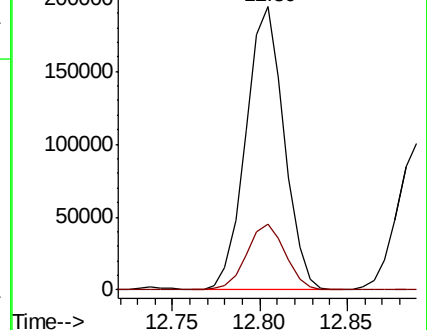
91 100

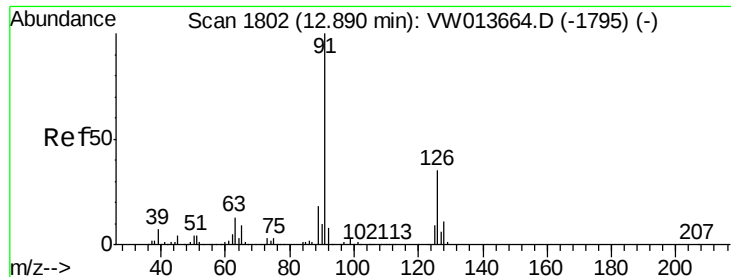
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.447 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBSD01

Tot Ion: 91 Resp: 160712

Ion Ratio Lower Upper

91 100

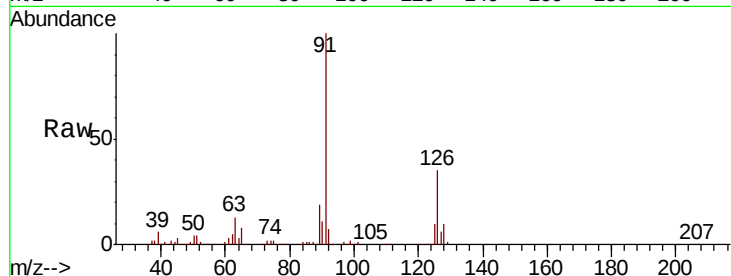
126 35.6 17.4 52.2

Manual Integrations

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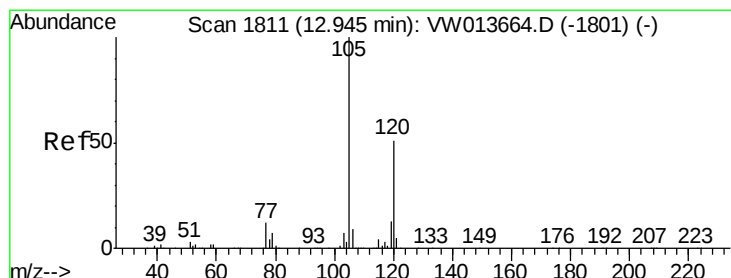
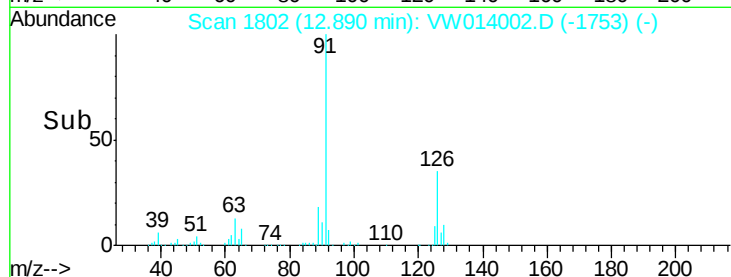
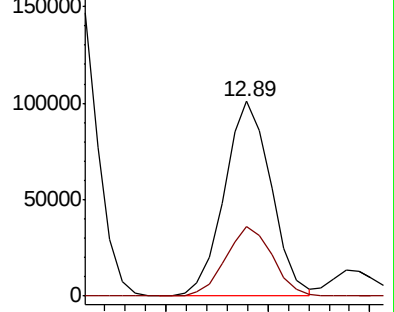
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.535 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW014002.D

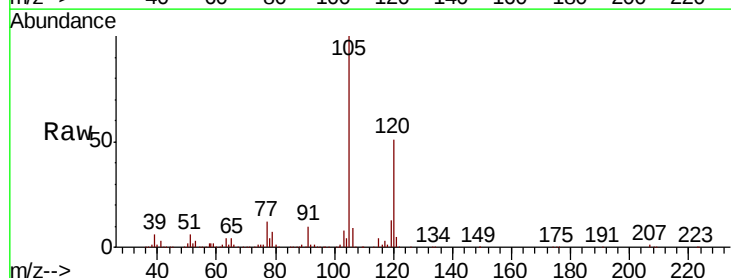
Acq: 13 Nov 2019 13:14

Tgt Ion:105 Resp: 209522

Ion Ratio Lower Upper

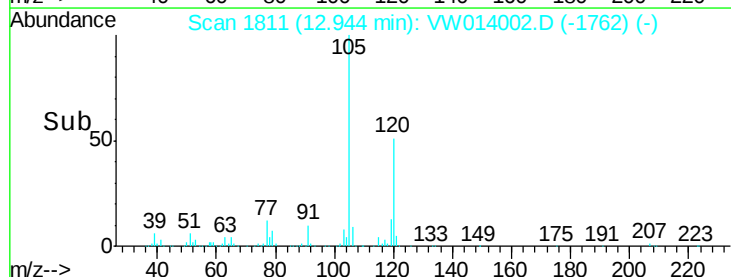
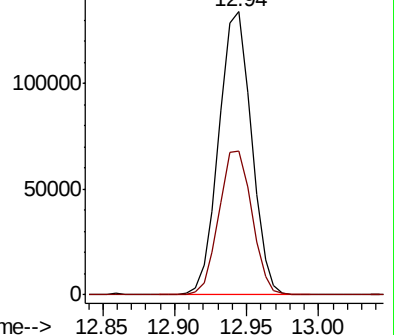
105 100

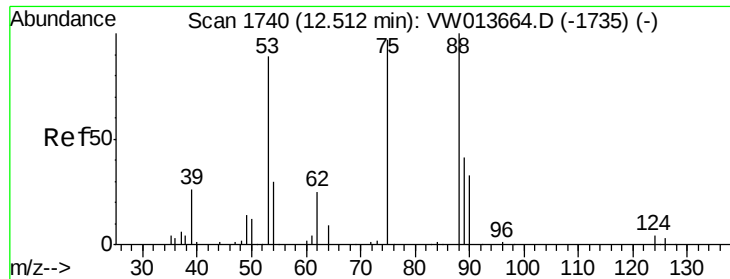
120 51.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





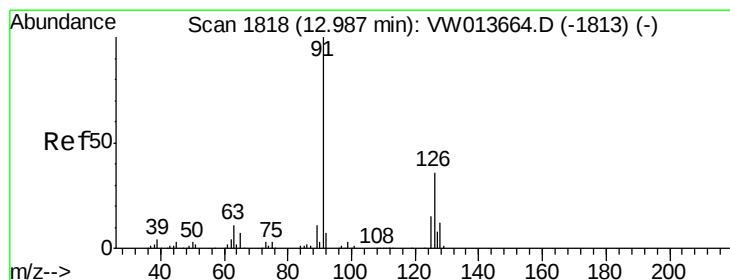
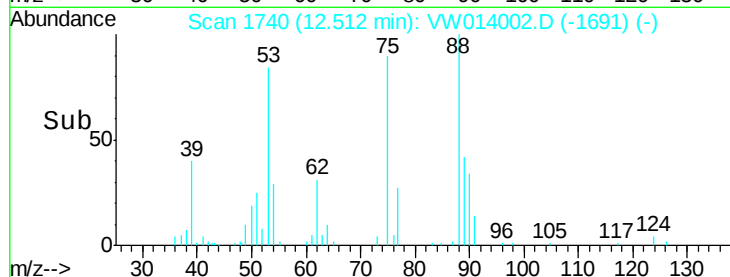
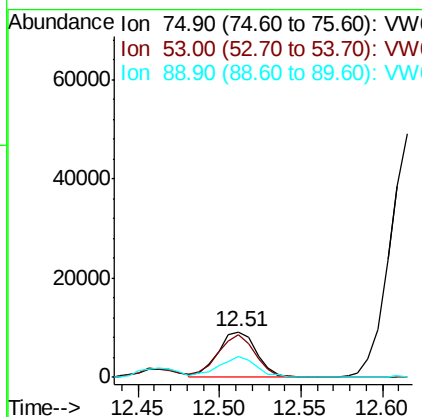
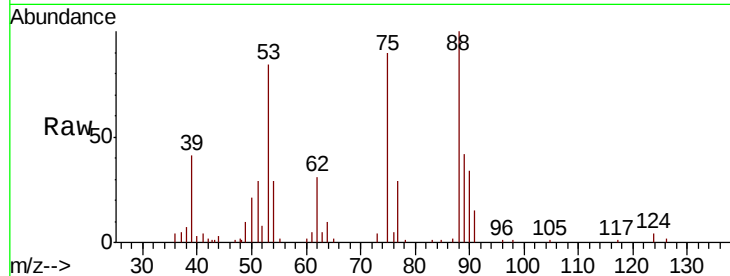
#81
trans-1,4-Dichloro-2-butene
Concen: 22.844 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	71.7	107.5
89	44.3	35.8	53.8

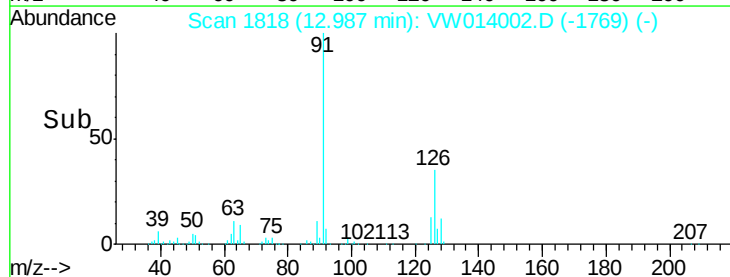
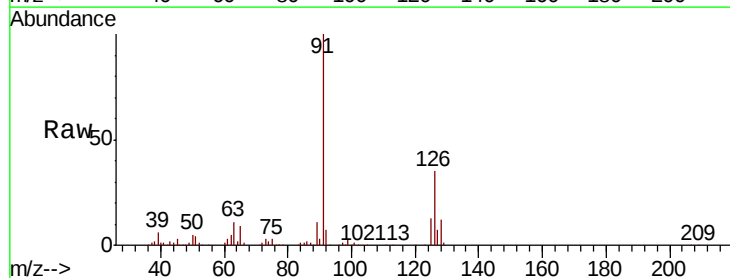
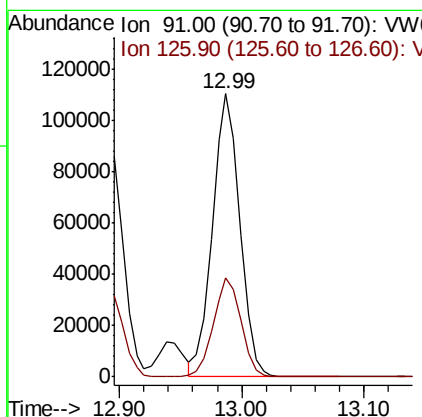
Manual Integrations
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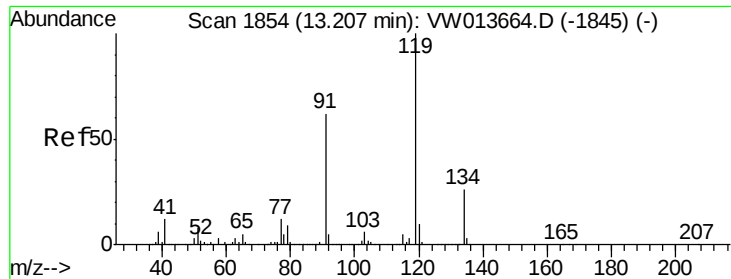
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.810 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.2	51.5





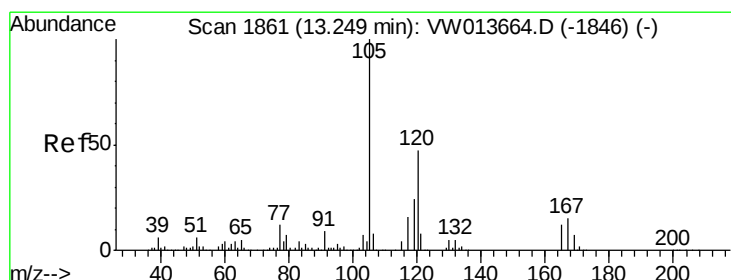
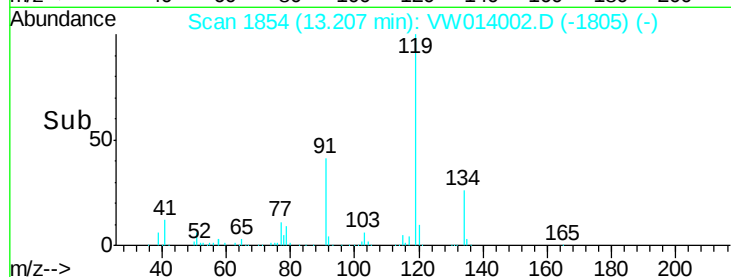
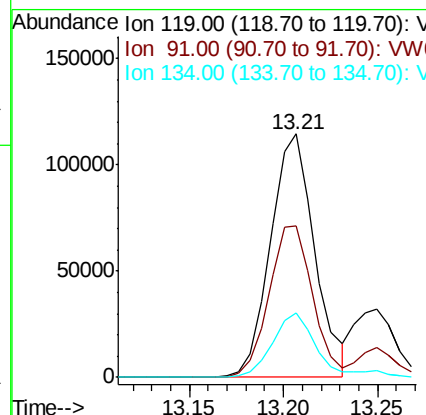
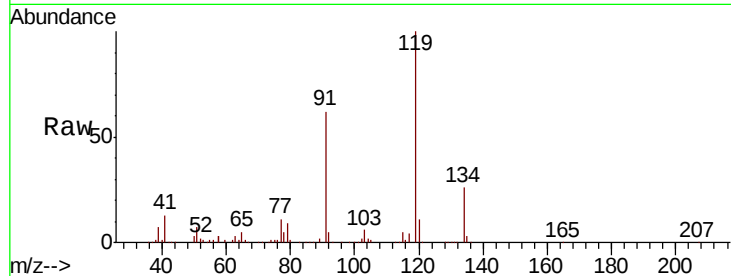
#83
tert-Butylbenzene
Concen: 19.518 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.4	91.3
134	27.1	13.6	40.8

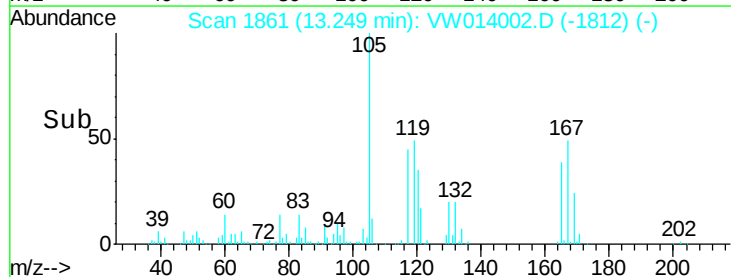
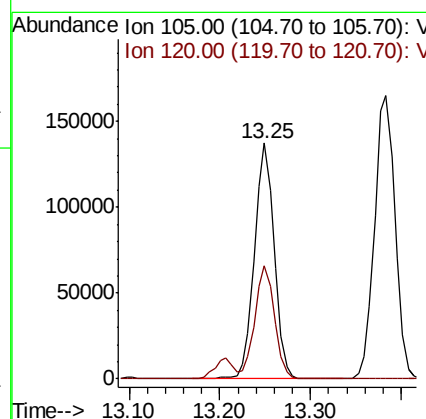
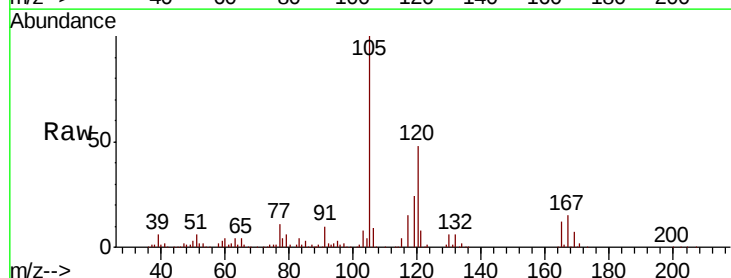
Manual Integrations
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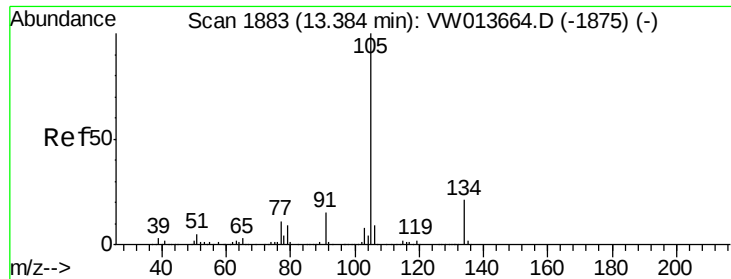
MMDadoda
11/15/2019 10:50:12 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.648 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.5	70.5





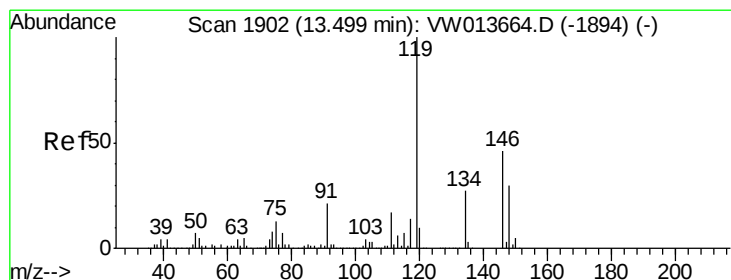
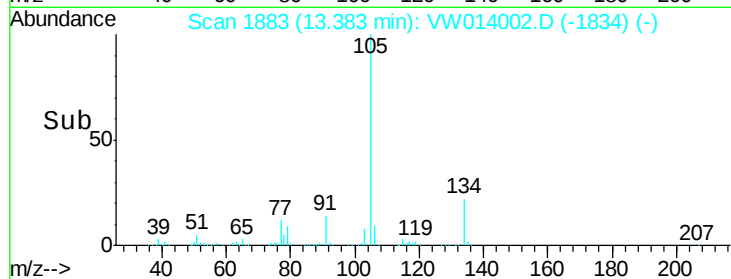
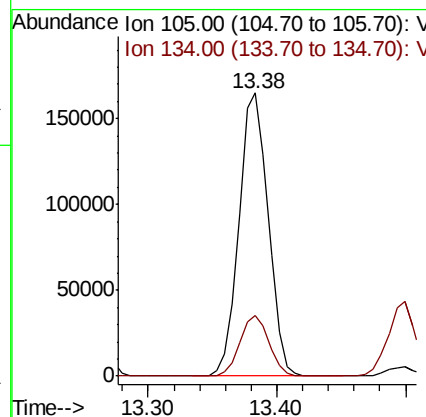
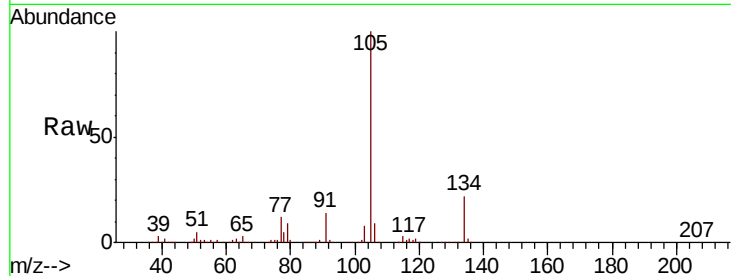
#85
 sec-Butylbenzene
 Concen: 19.874 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.5

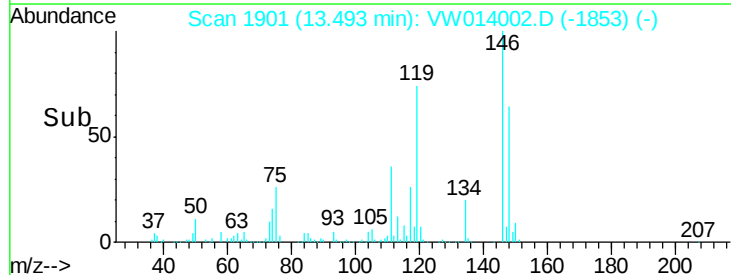
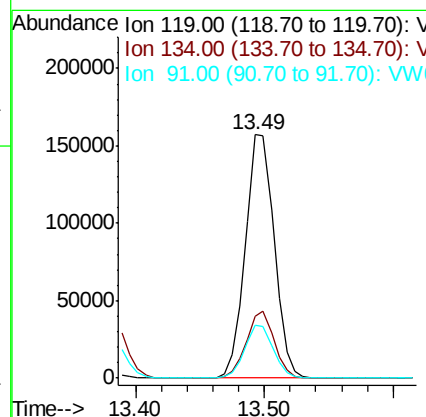
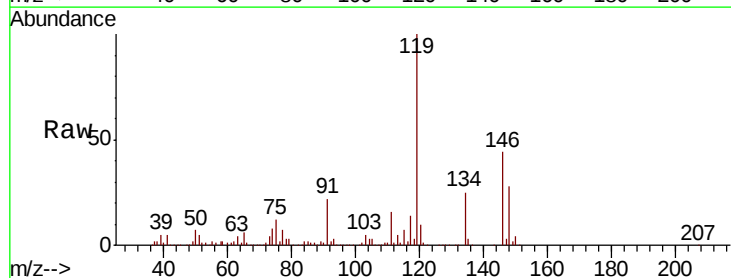
Manual Integrations
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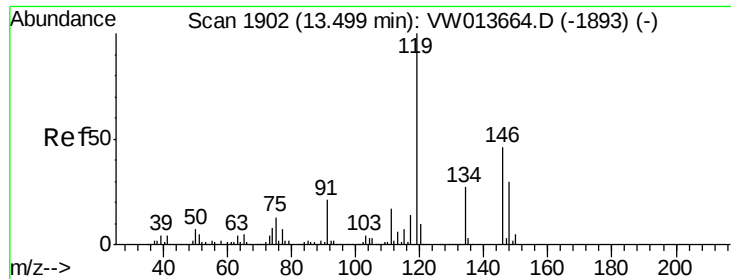
MMDadoda
 11/15/2019 10:50:12 AM



#86
 p-Isopropyltoluene
 Concen: 19.999 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	21.5	10.8	32.3





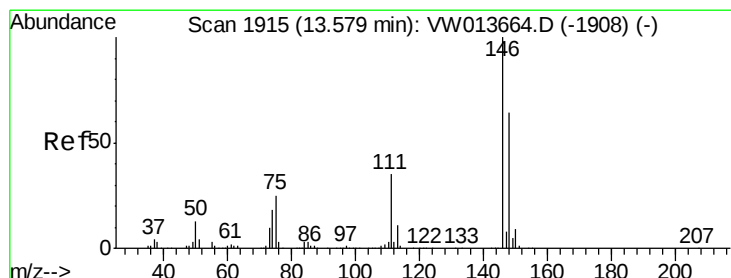
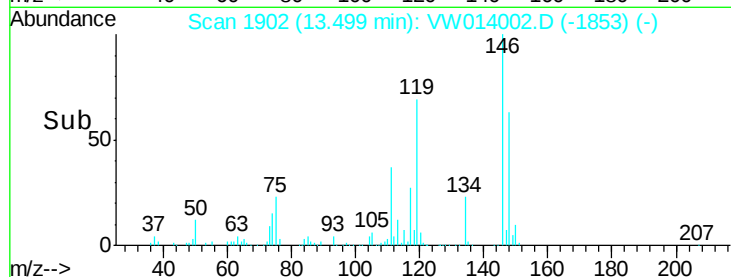
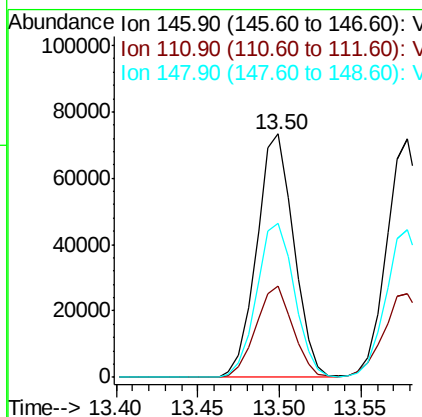
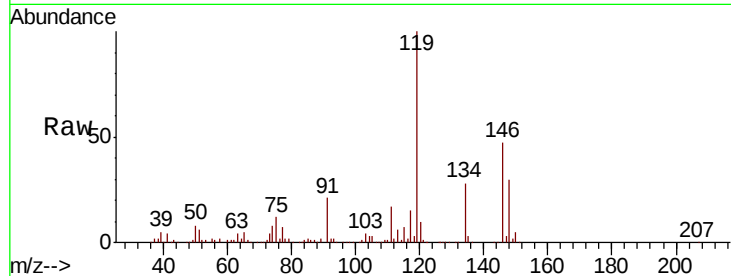
#87
 1,3-Dichlorobenzene
 Concen: 19.614 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115341		
111	37.5	18.6	56.0	
148	64.9	31.7	95.1	

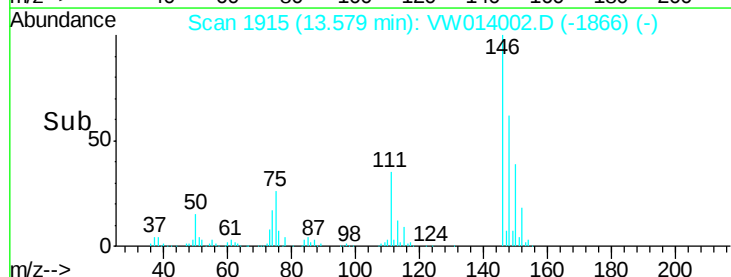
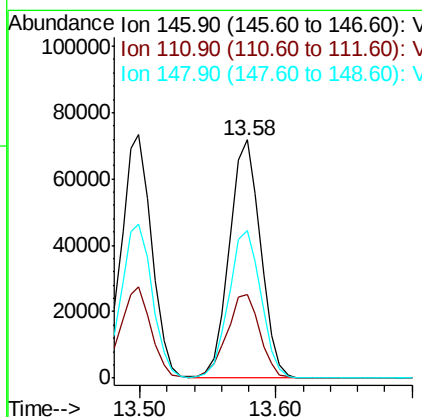
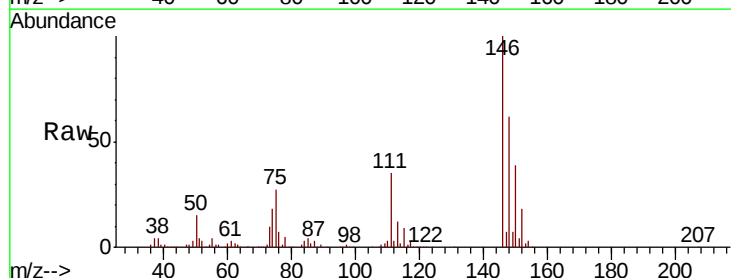
Manual Integrations
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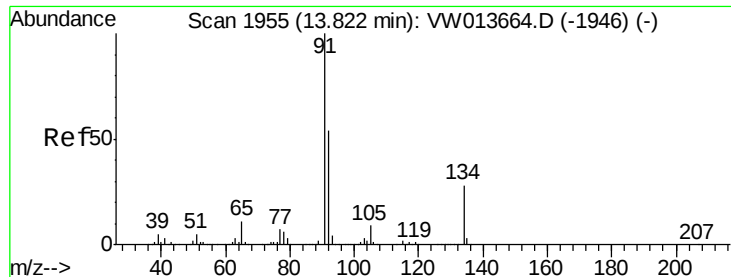
MMDadoda
 11/15/2019 10:50:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114620		
111	37.5	18.1	54.3	
148	64.1	32.0	96.2	





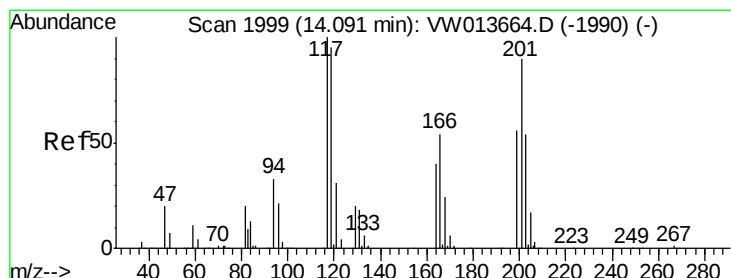
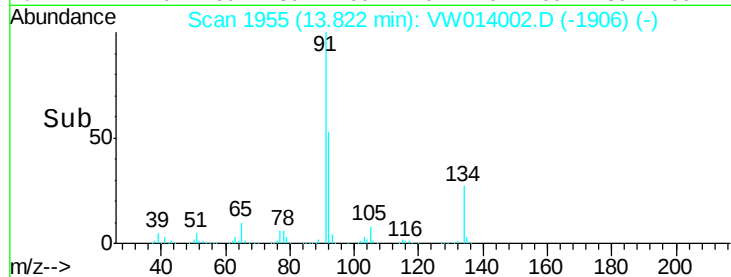
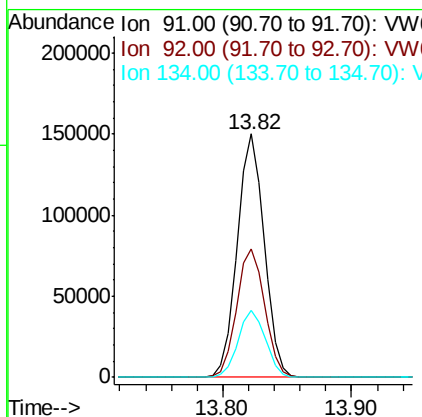
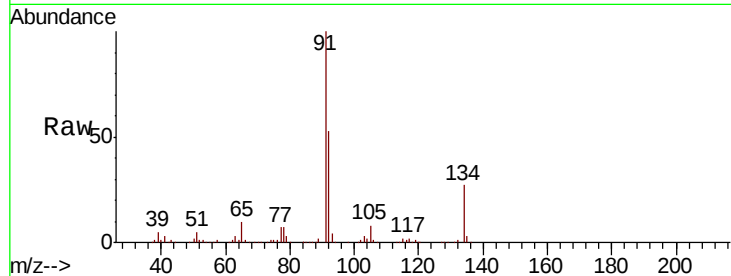
#89
n-Butylbenzene
Concen: 19.951 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	27.7	14.0	41.9

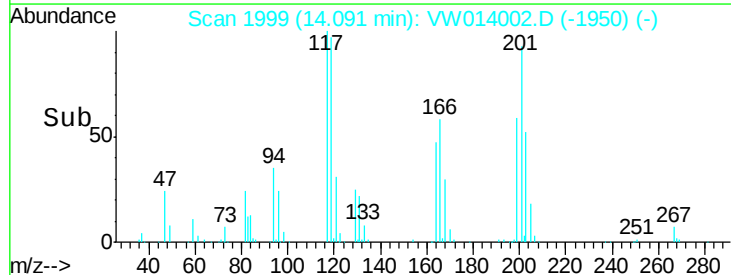
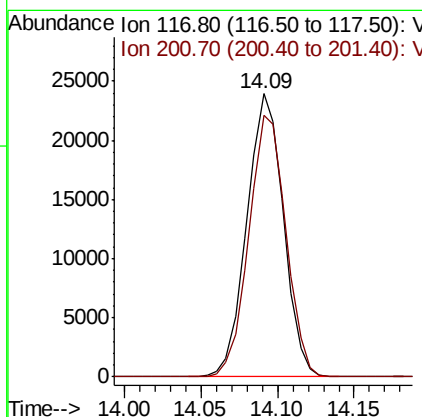
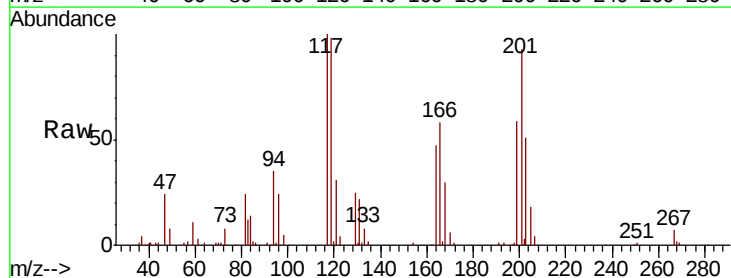
Manual Integrations
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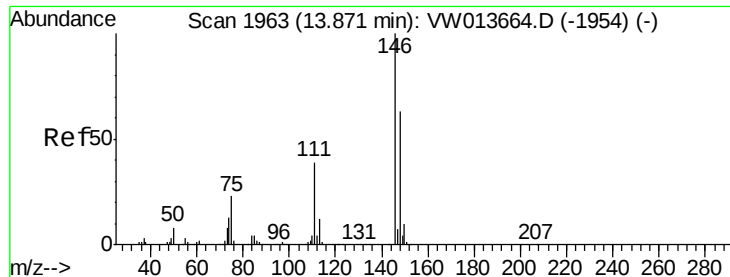
MMDadoda
11/15/2019 10:50:12 AM



#90
Hexachloroethane
Concen: 18.865 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014002.D
Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	46.1	138.2





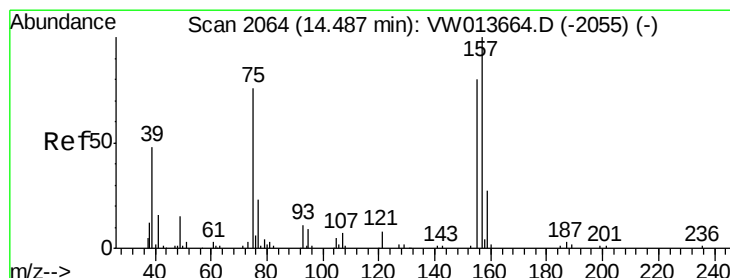
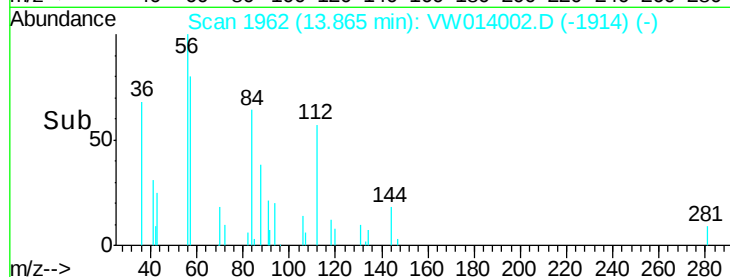
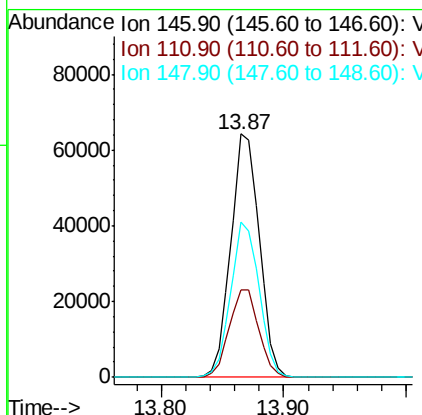
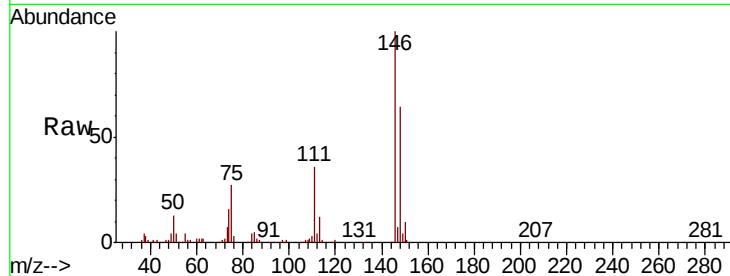
#91
 1,2-Dichlorobenzene
 Concen: 20.290 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.9	59.6
148	63.3	31.9	95.9

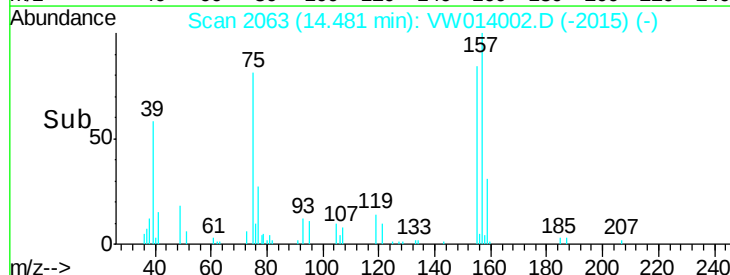
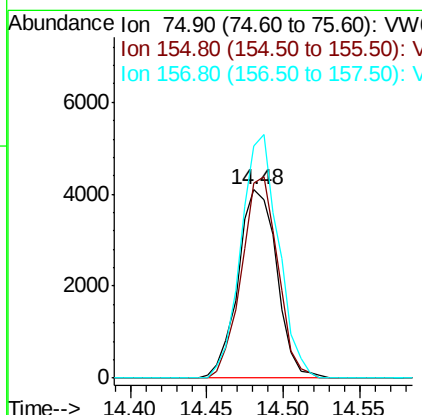
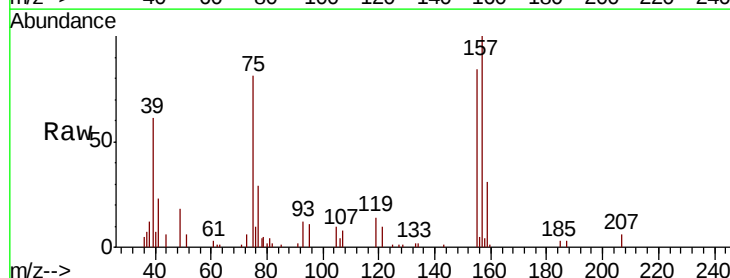
Manual Integrations
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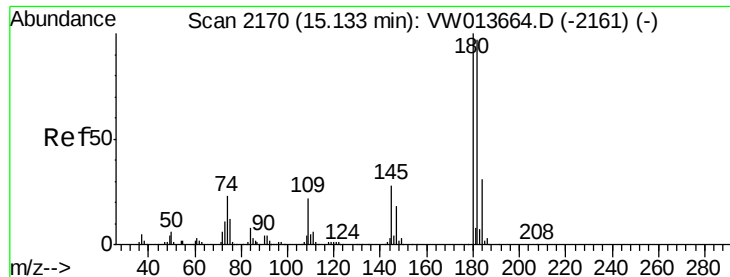
MMDadoda
 11/15/2019 10:50:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.811 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	51.9	155.7
157	124.8	64.8	194.3





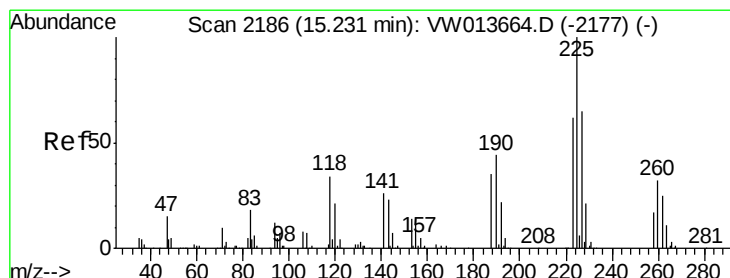
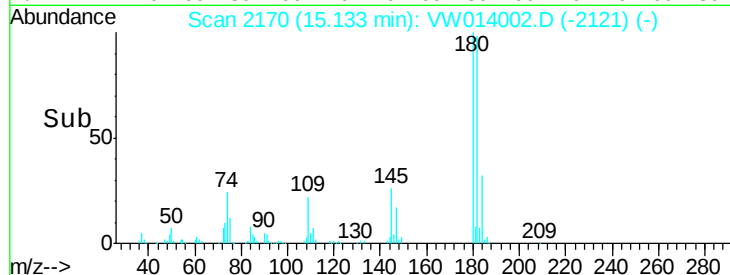
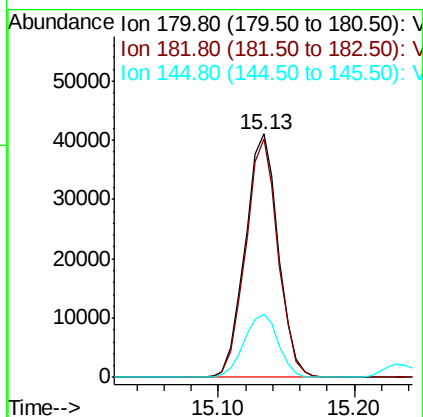
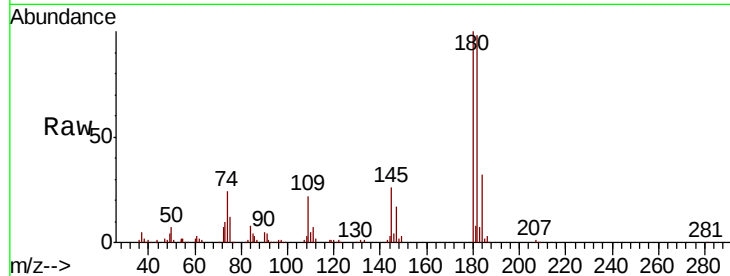
#93
 1,2,4-Trichlorobenzene
 Concen: 18.789 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	27.1	14.1	42.3

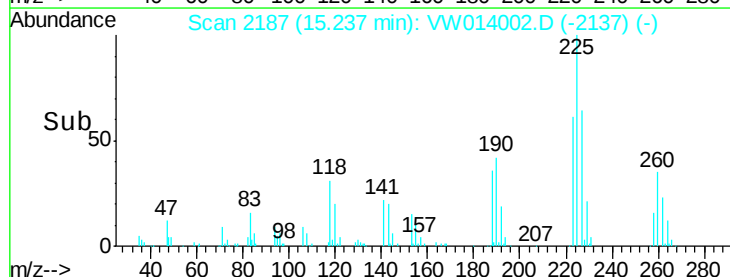
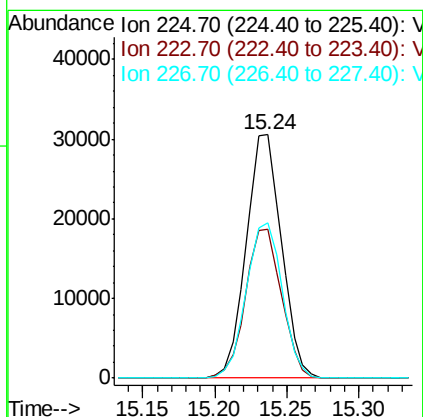
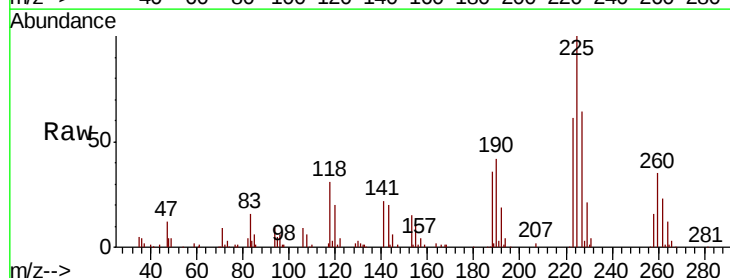
Manual Integrations
 APPROVED

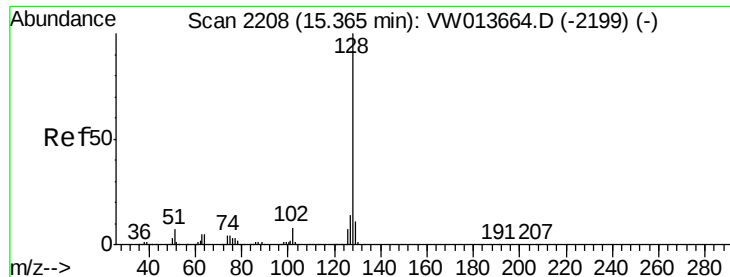
MMDadoda
 11/15/2019 10:50:12 AM



#94
 Hexachlorobutadiene
 Concen: 20.660 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014002.D
 Acq: 13 Nov 2019 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.9
227	64.9	32.5	97.4





#95

Naphthalene

Concen: 19.650 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Instrument :

MSVOA_W

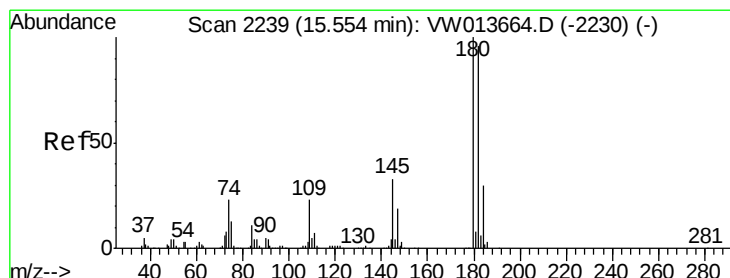
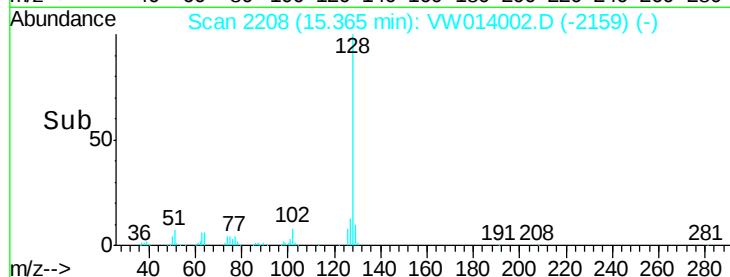
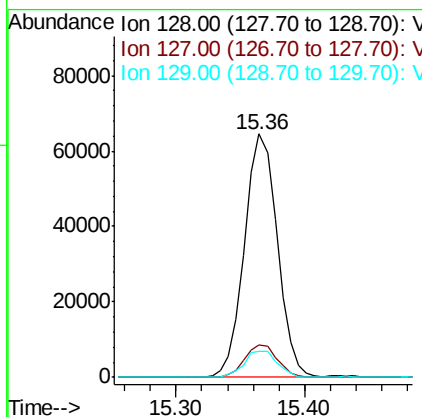
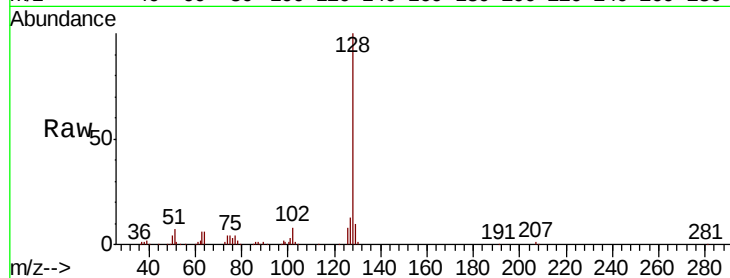
ClientSampleId :

VW1113SBSD01

Tot Ion:	128	Resp:	114325
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/15/2019 10:50:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.677 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014002.D

Acq: 13 Nov 2019 13:14

Tgt Ion:	180	Resp:	59720
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.3
145	30.2	14.9	44.9

