

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013667.D
 Acq On : 23 Oct 2019 14:18
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW102319

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:27:03 PM

Quant Time: Oct 23 14:43:41 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	357923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	497392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130245	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.88	113	141718	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	585175	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	194357	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	89186	47.297	ug/l	97
3) Chloromethane	2.21	50	95403	47.077	ug/l	99
4) Vinyl Chloride	2.37	62	148904	48.655	ug/l	100
5) Bromomethane	2.78	94	99245	49.308	ug/l	96
6) Chloroethane	2.92	64	92496	49.948	ug/l	98
7) Trichlorofluoromethane	3.26	101	98537	51.547	ug/l	96
8) Diethyl Ether	3.68	74	75322	48.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	153860	49.511	ug/l	98
10) Methyl Iodide	4.27	142	250473	49.461	ug/l	100
11) Tert butyl alcohol	5.21	59	36142	225.480	ug/l	99
12) 1,1-Dichloroethene	4.04	96	161551	50.327	ug/l	96
13) Acrolein	3.90	56	45942	250.178	ug/l	97
14) Allyl chloride	4.67	41	248276	50.300	ug/l	99
15) Acrylonitrile	5.37	53	149334	237.798	ug/l	98
16) Acetone	4.14	43	148712	261.216	ug/l	97
17) Carbon Disulfide	4.38	76	468370	50.806	ug/l	100
18) Methyl Acetate	4.67	43	70588	45.231	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190231	49.384	ug/l	99
20) Methylene Chloride	4.92	84	162390	52.037	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	175509	50.799	ug/l	99
22) Diisopropyl ether	6.31	45	450617	50.048	ug/l	99
23) Vinyl Acetate	6.25	43	1306244	250.033	ug/l	100
24) 1,1-Dichloroethane	6.21	63	283037	49.636	ug/l	100
25) 2-Butanone	7.17	43	190242	232.432	ug/l	97
26) 2,2-Dichloropropane	7.16	77	160364	48.635	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	183890	50.111	ug/l	99
28) Bromochloromethane	7.51	49	104730	51.509	ug/l #	99
29) Tetrahydrofuran	7.53	42	117860	232.591	ug/l	100
30) Chloroform	7.67	83	272864	48.407	ug/l	99
31) Cyclohexane	7.96	56	286123	47.947	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	220176	49.774	ug/l	100
36) 1,1-Dichloropropene	8.08	75	239174	51.632	ug/l	98
37) Ethyl Acetate	7.25	43	85626	48.288	ug/l	99
38) Carbon Tetrachloride	8.07	117	217162	52.060	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	317053	53.000	ug/l	99
40) Benzene	8.32	78	661740	50.479	ug/l	100
41) Methacrylonitrile	7.48	41	55615	50.296	ug/l	93
42) 1,2-Dichloroethane	8.40	62	164285	49.731	ug/l	100
43) Isopropyl Acetate	8.42	43	165144	48.655	ug/l	99
44) Trichloroethene	9.09	130	190688	50.780	ug/l	99
45) 1,2-Dichloropropane	9.37	63	158676	50.675	ug/l	98
46) Dibromomethane	9.46	93	75285	49.537	ug/l	98
47) Bromodichloromethane	9.64	83	200133	50.895	ug/l	100
48) Methyl methacrylate	9.43	41	82936	49.273	ug/l	98
49) 1,4-Dioxane	9.48	88	20442	910.245	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	401446	238.016	ug/l	100
52) Toluene	10.38	92	428997	50.733	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	204905	51.473	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	253185	51.551	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	110655	48.855	ug/l	96
56) Ethyl methacrylate	10.65	69	144653	51.046	ug/l	99
57) 1,3-Dichloropropane	10.93	76	192439	49.510	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343676	263.514	ug/l	100
59) 2-Hexanone	10.97	43	281683	242.254	ug/l	99
60) Dibromochloromethane	11.13	129	134798	50.125	ug/l	100
61) 1,2-Dibromoethane	11.23	107	104933	48.970	ug/l	99
64) Tetrachloroethene	10.86	164	164950	50.409	ug/l	99
65) Chlorobenzene	11.66	112	441601	50.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	154934	50.442	ug/l	98
67) Ethyl Benzene	11.73	91	809830	51.030	ug/l	99
68) m/p-Xylenes	11.83	106	629386	102.652	ug/l	98
69) o-Xylene	12.16	106	286832	50.896	ug/l	99
70) Styrene	12.18	104	497234	51.352	ug/l	100
71) Bromoform	12.35	173	80271	49.800	ug/l	100
73) Isopropylbenzene	12.46	105	804737	52.172	ug/l	99
74) N-amyl acetate	12.27	43	151837	50.888	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	118565	48.711	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	75363m	48.858	ug/l	
77) Bromobenzene	12.74	156	186019	50.484	ug/l	99
78) n-propylbenzene	12.80	91	939608	52.630	ug/l	100
79) 2-Chlorotoluene	12.89	91	518850	51.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	676488	51.954	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40665	49.823	ug/l	98
82) 4-Chlorotoluene	12.99	91	544025	51.650	ug/l	98
83) tert-Butylbenzene	13.21	119	601551	52.047	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	669643	52.135	ug/l	99
85) sec-Butylbenzene	13.38	105	833462	52.734	ug/l	99
86) p-Isopropyltoluene	13.50	119	779217	52.927	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	362640	50.795	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	360337	50.805	ug/l	100
89) n-Butylbenzene	13.82	91	710487	53.464	ug/l	100
90) Hexachloroethane	14.09	117	134088	52.398	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	315142	50.909	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17442	47.388	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	239540	53.172	ug/l	99
94) Hexachlorobutadiene	15.24	225	157535	51.799	ug/l	98
95) Naphthalene	15.36	128	369831	52.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	199594	51.417	ug/l	99

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

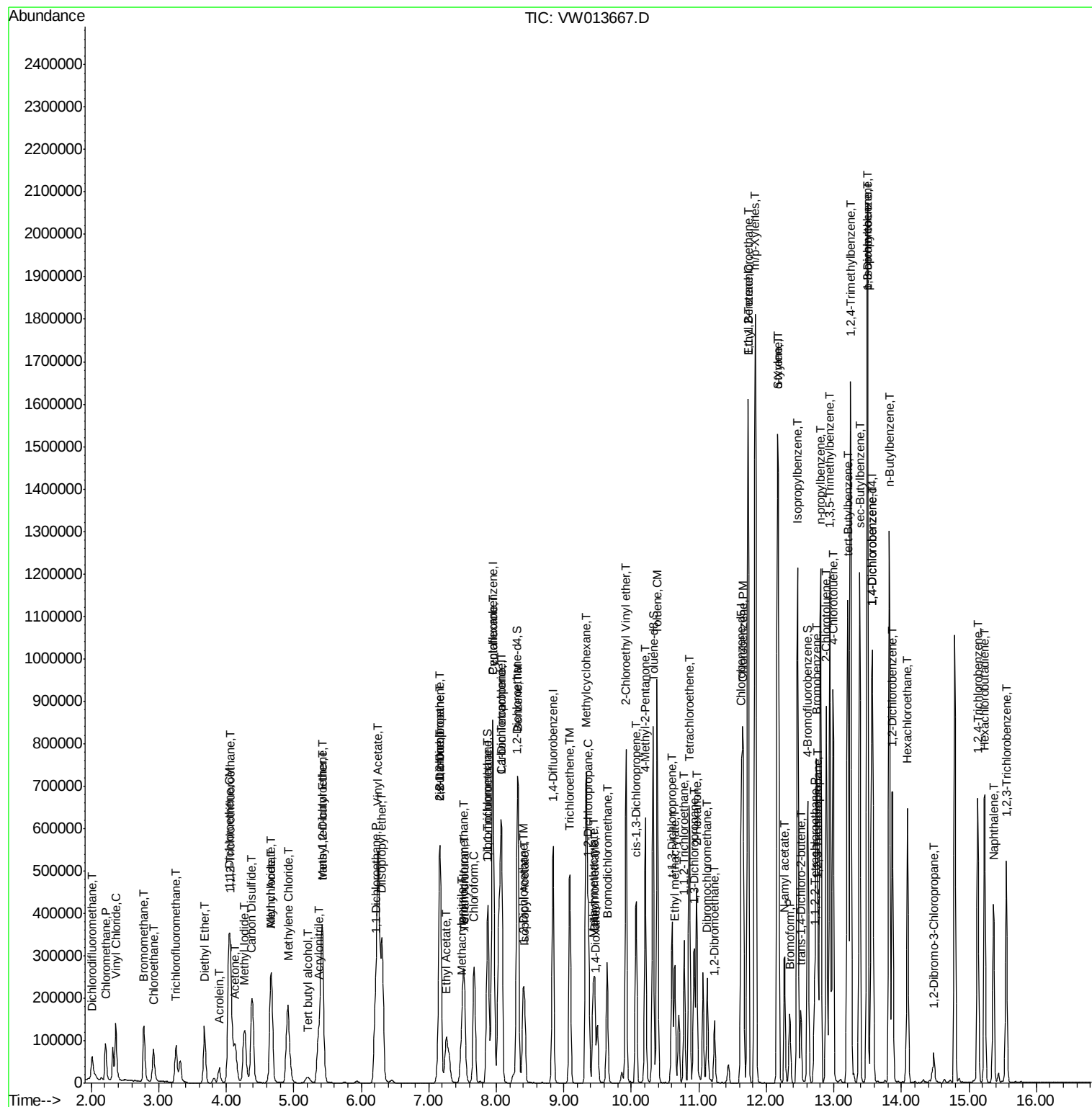
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
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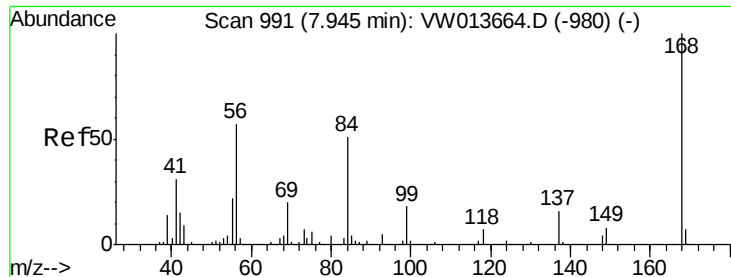
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVWV102319

Tot Ion:168 Resp: 357923

Ion Ratio Lower Upper

168 100

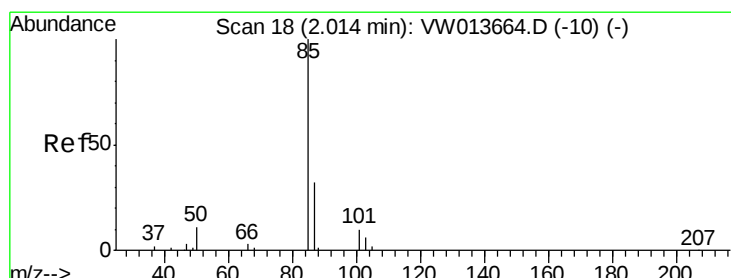
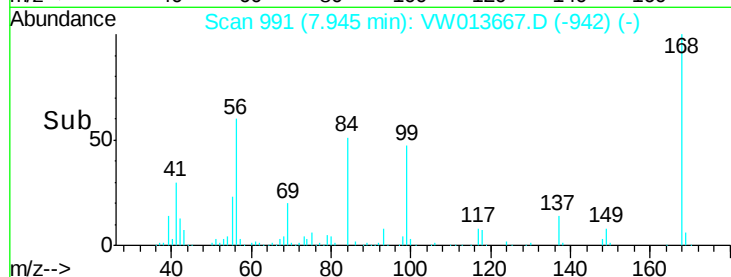
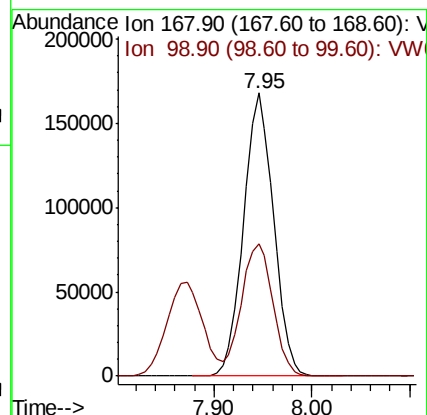
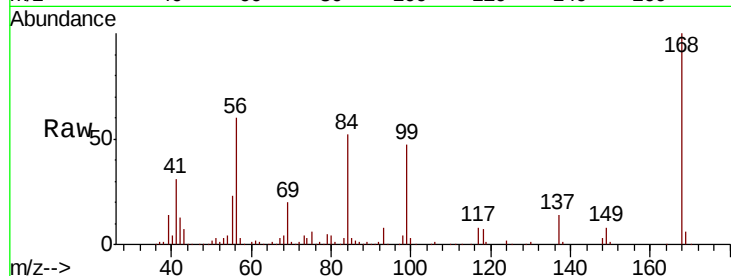
99 46.6 39.0 58.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.297 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013667.D

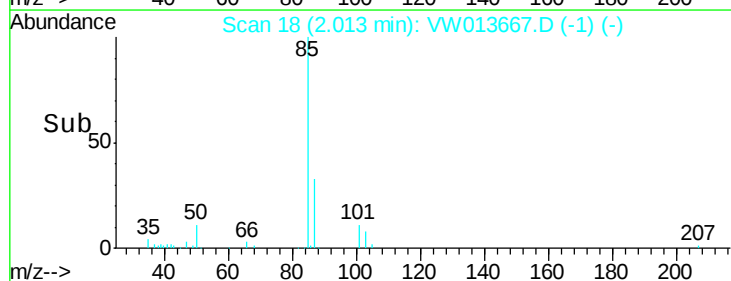
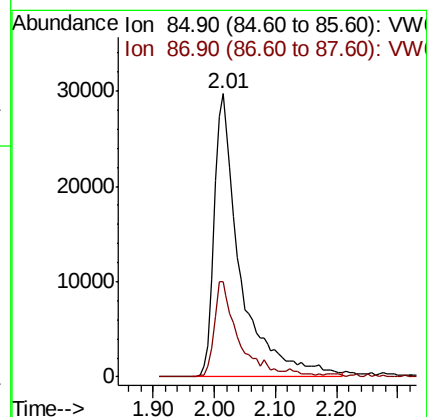
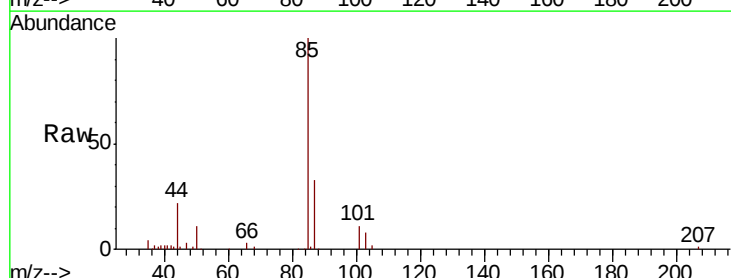
Acq: 23 Oct 2019 14:18

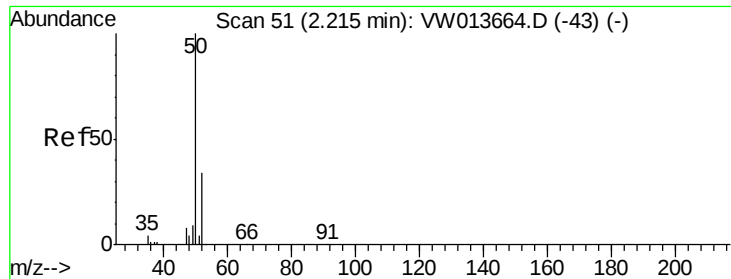
Tgt Ion: 85 Resp: 89186

Ion Ratio Lower Upper

85 100

87 33.5 16.0 48.0





#3

Chloromethane

Concen: 47.077 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVWV102319

Tot Ion: 50 Resp: 95403

Ion Ratio Lower Upper

50 100

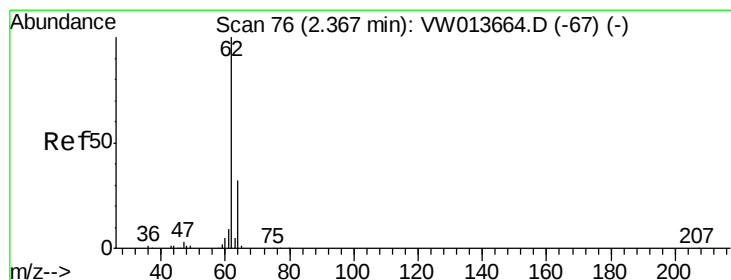
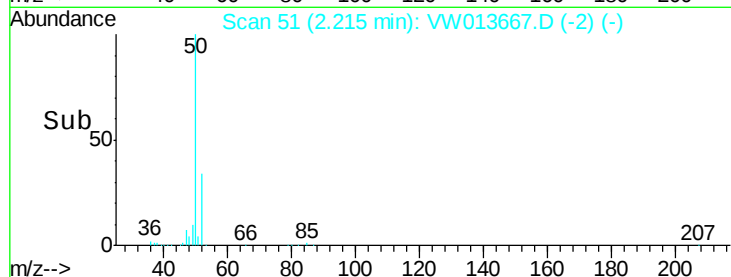
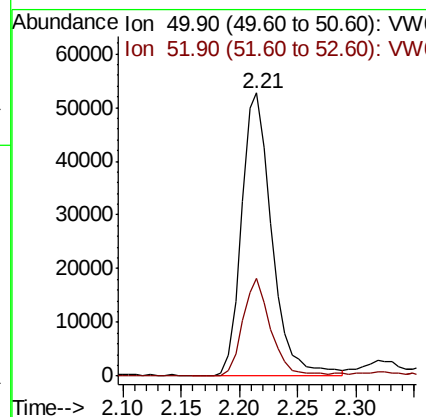
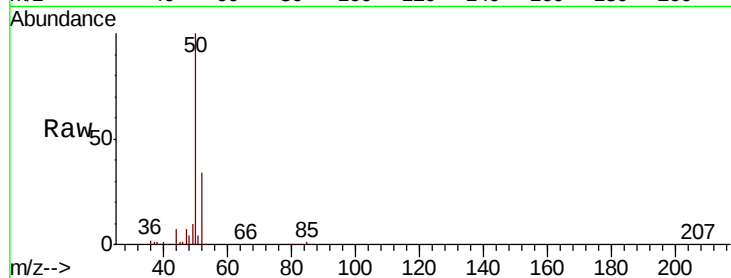
52 34.4 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.655 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013667.D

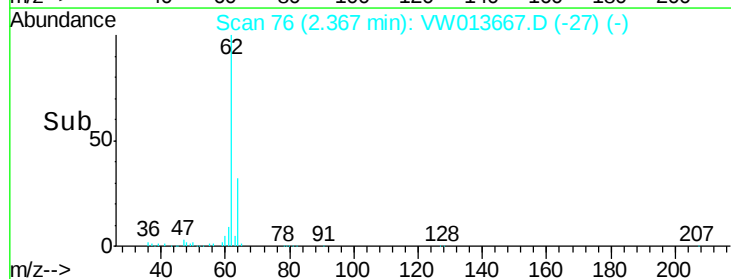
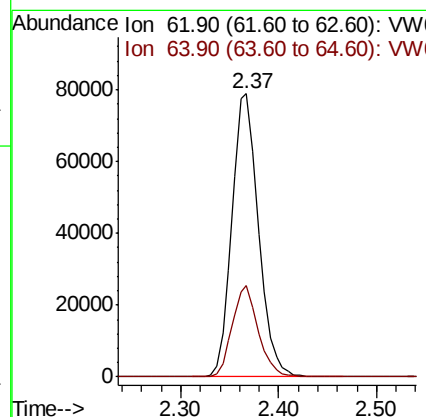
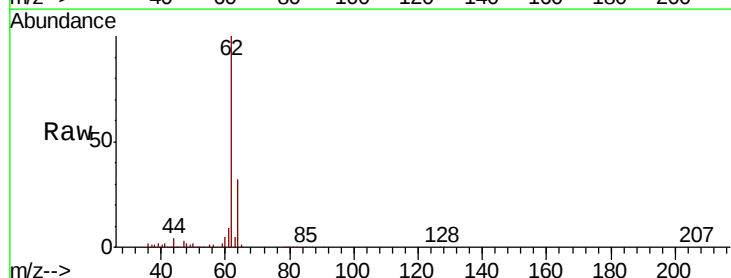
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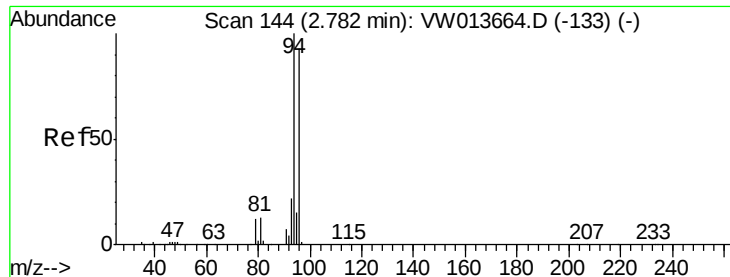
Tgt Ion: 62 Resp: 148904

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 49.308 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

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Tot Ion: 94 Resp: 99245

Ion Ratio Lower Upper

94 100

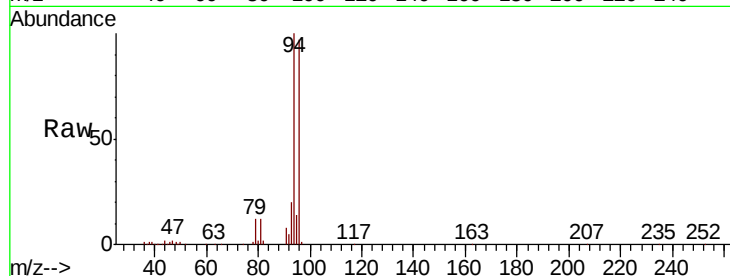
96 96.7 74.6 112.0

Manual Integrations

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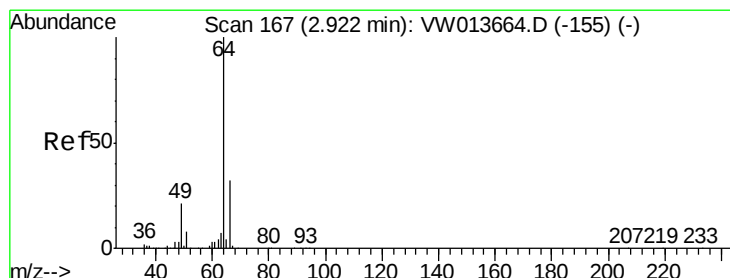
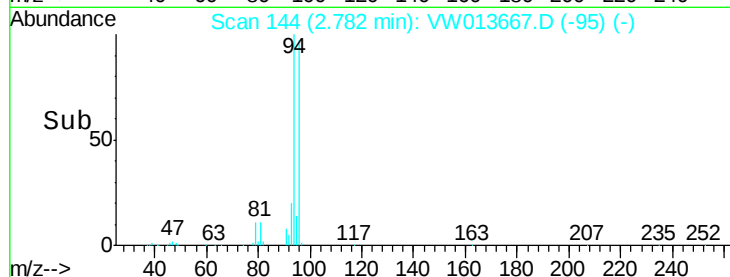
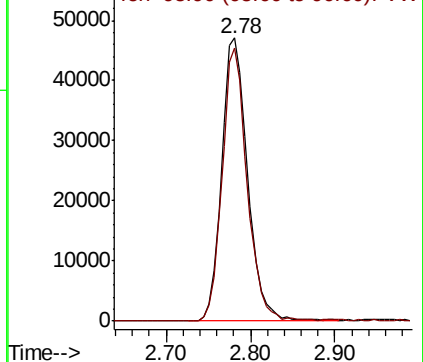
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.948 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013667.D

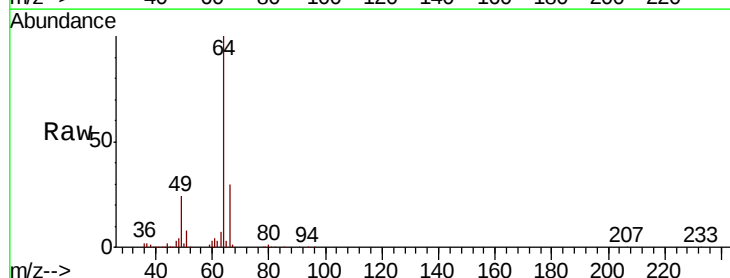
Acq: 23 Oct 2019 14:18

Tgt Ion: 64 Resp: 92496

Ion Ratio Lower Upper

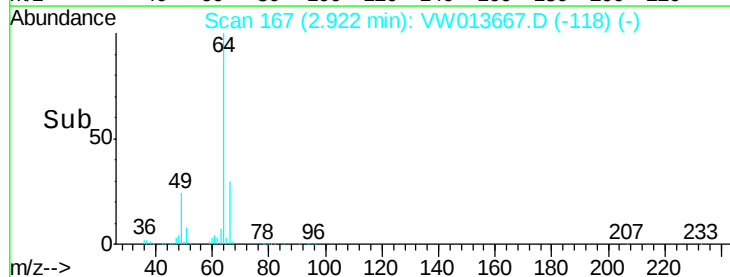
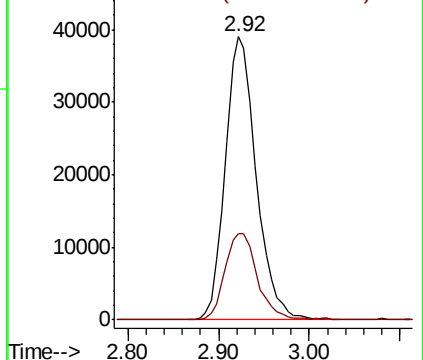
64 100

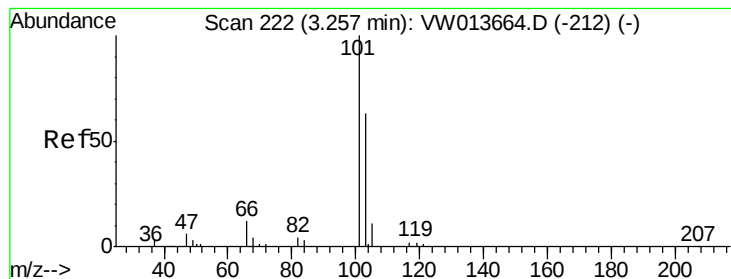
66 30.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





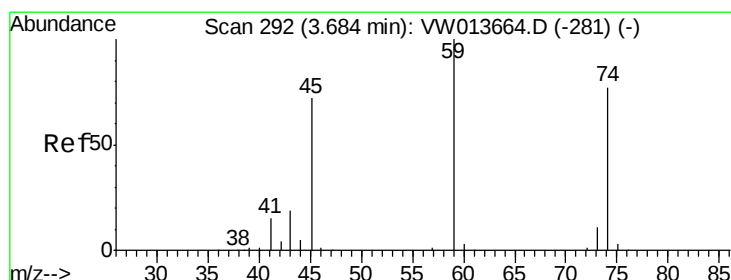
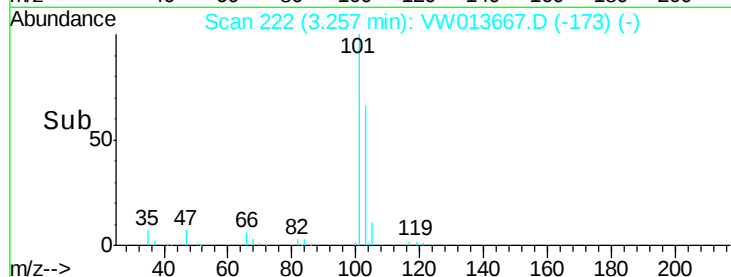
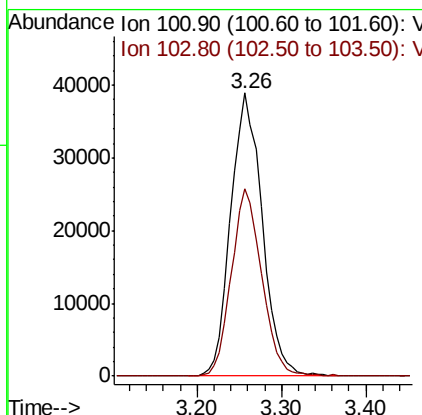
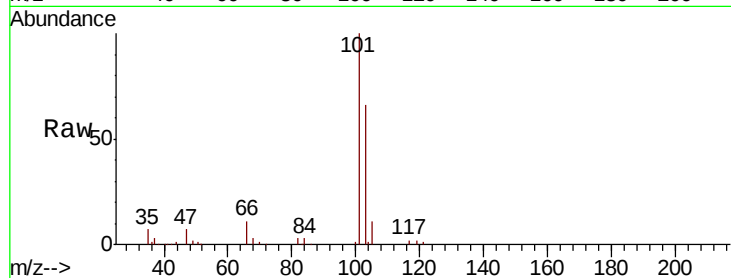
#7
 Trichlorofluoromethane
 Concen: 51.547 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.6	76.0

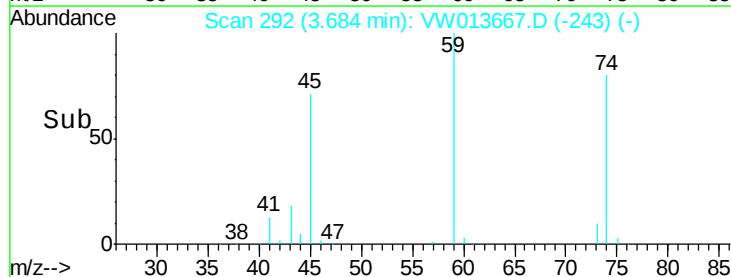
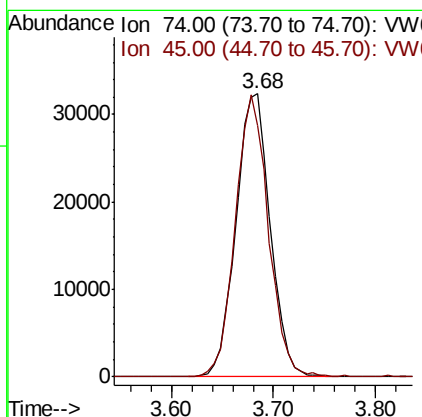
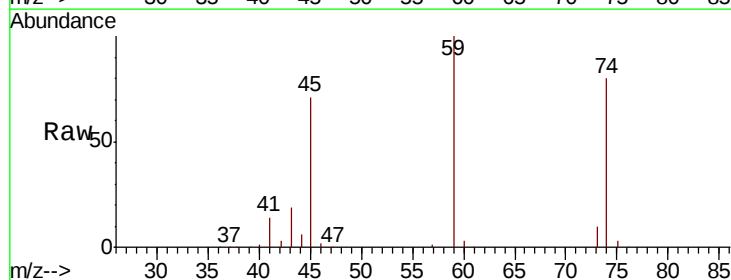
Manual Integrations
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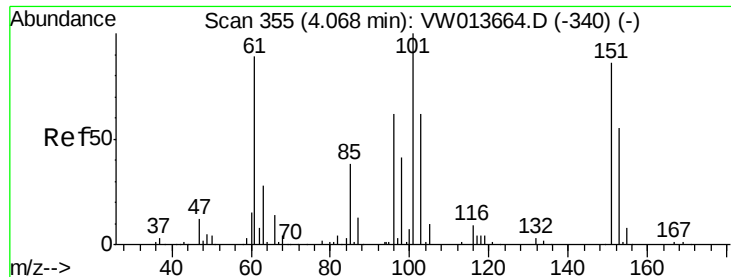
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#8
 Diethyl Ether
 Concen: 48.771 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

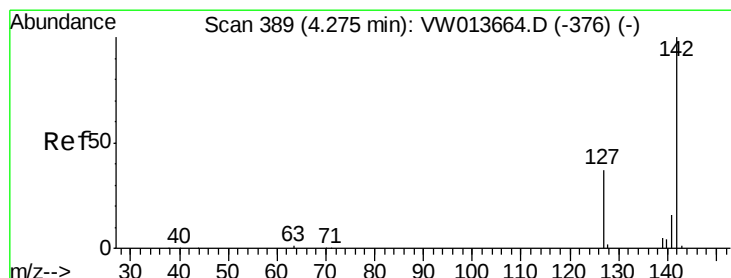
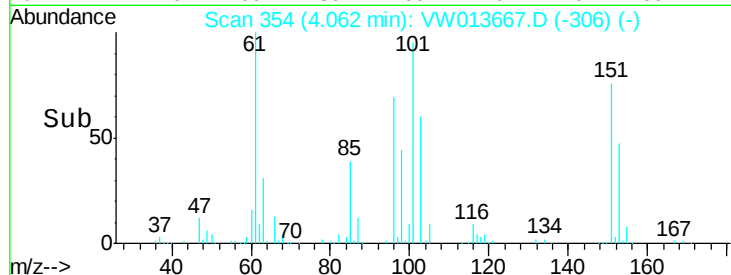
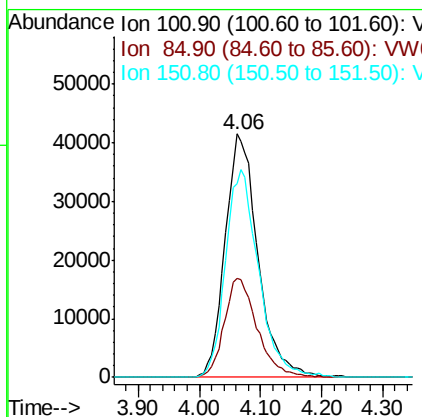
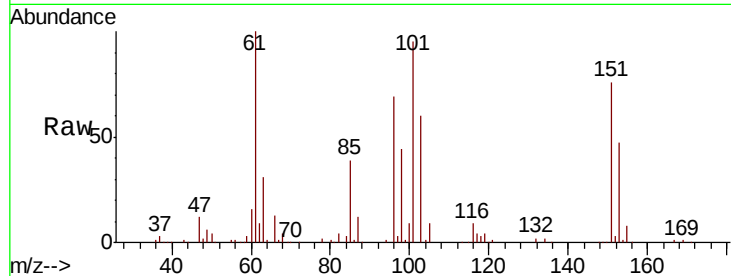
ClientSampleId :

ICVW102319

Tot Ion:	101	Resp:	153860
Ion Ratio	Lower	Upper	
101	100		
85	41.0	31.0	46.6
151	86.1	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 49.461 ug/l

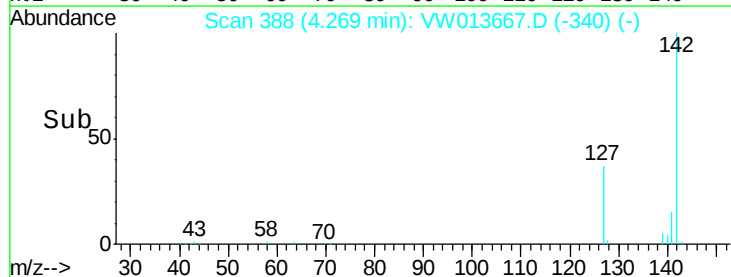
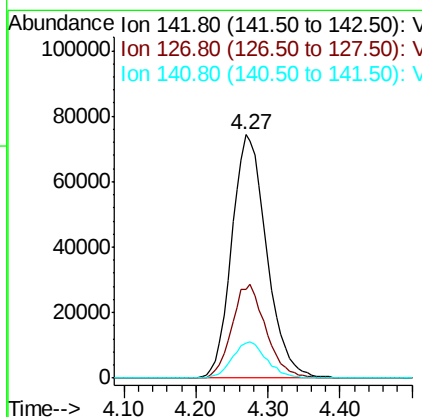
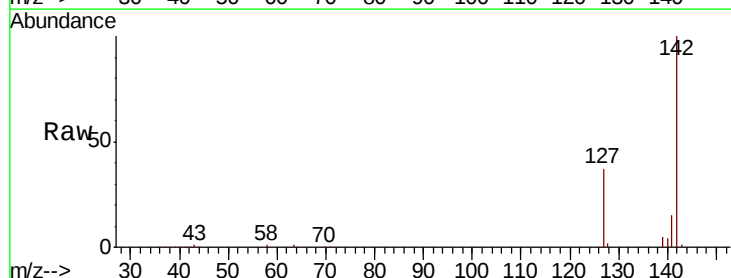
RT: 4.27 min Scan# 388

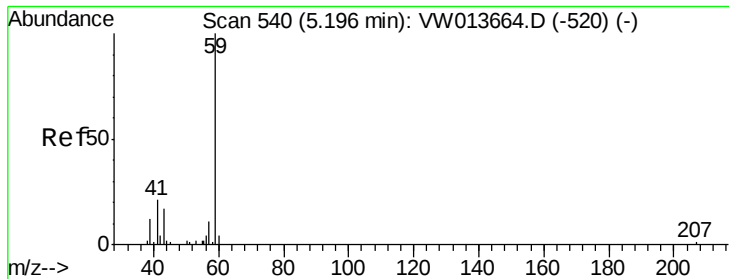
Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:	142	Resp:	250473
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.3	45.5
141	14.7	11.8	17.8





#11

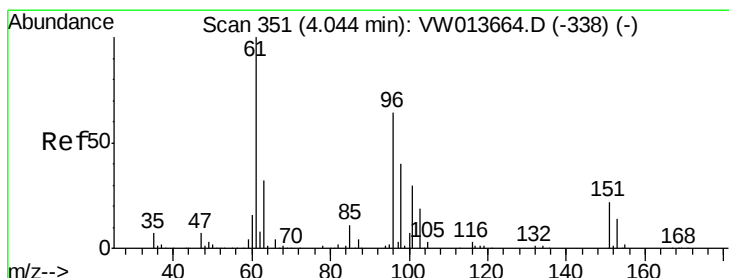
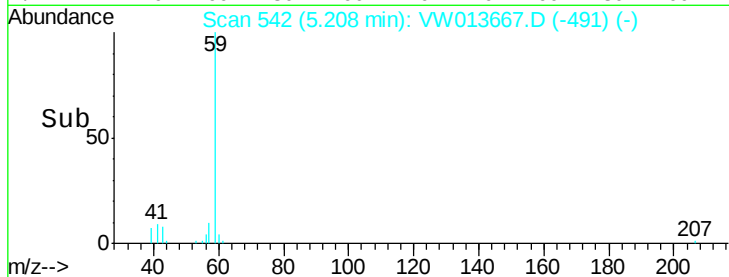
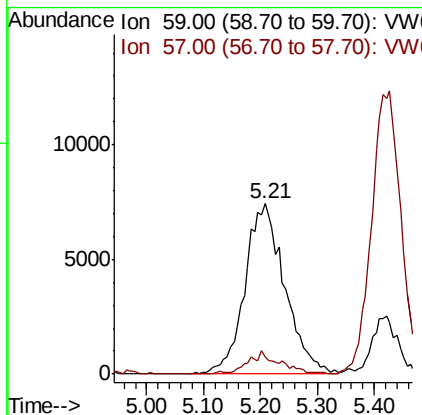
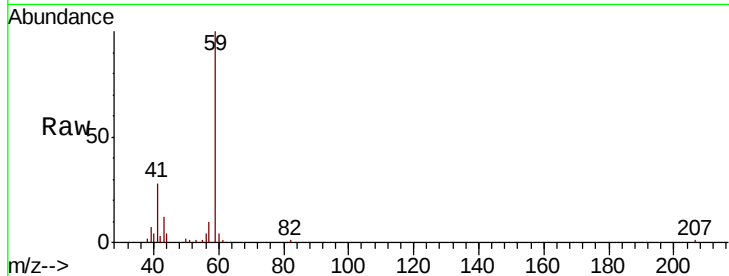
Tert butyl alcohol
Concen: 225.480 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

Manual Integrations
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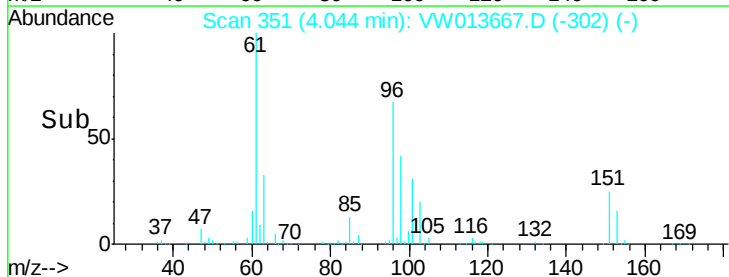
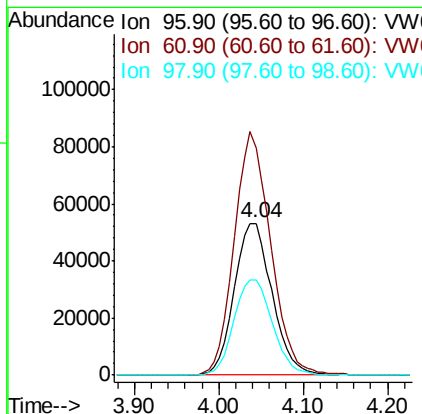
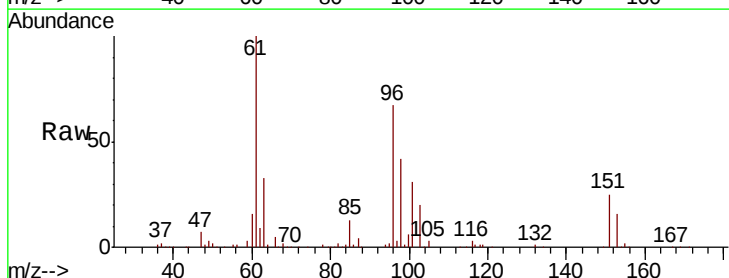
MMDadoda
10/24/2019 1:27:03 PM

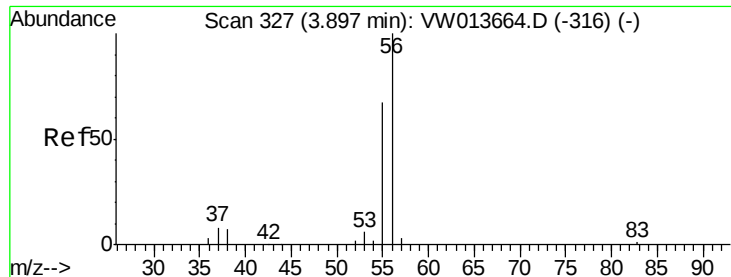


#12

1,1-Dichloroethene
Concen: 50.327 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	125.0	187.6
98	62.7	50.3	75.5





#13

Acrolein

Concen: 250.178 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVWV102319

Tot Ion: 56 Resp: 45942

Ion Ratio Lower Upper

56 100

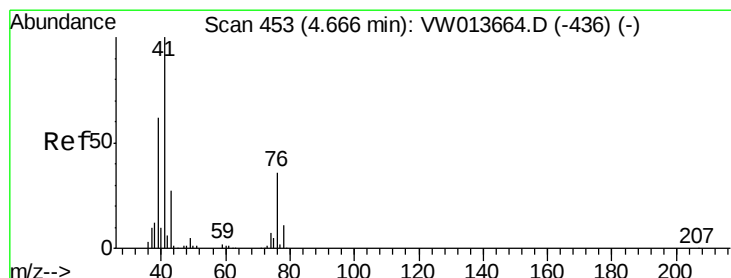
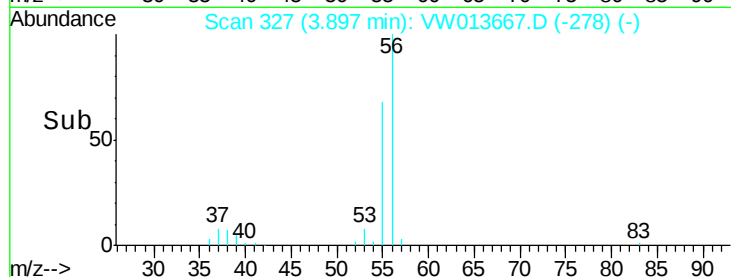
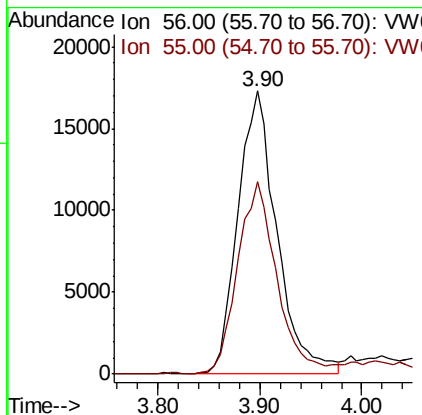
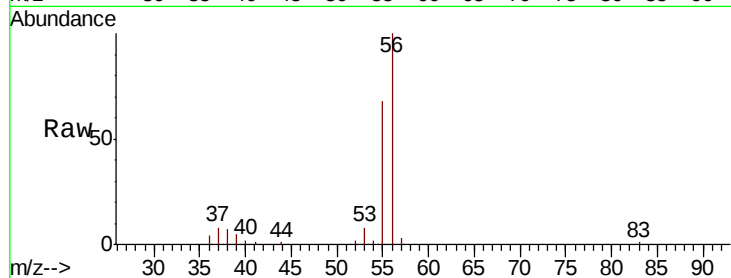
55 68.0 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.300 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

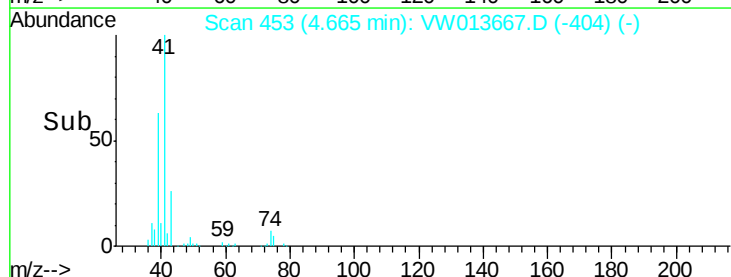
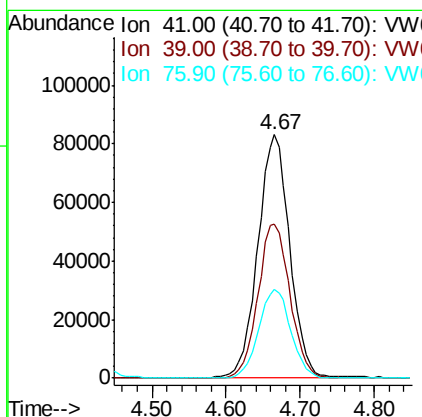
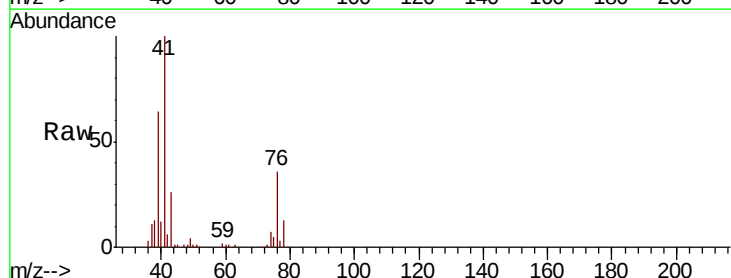
Tgt Ion: 41 Resp: 248276

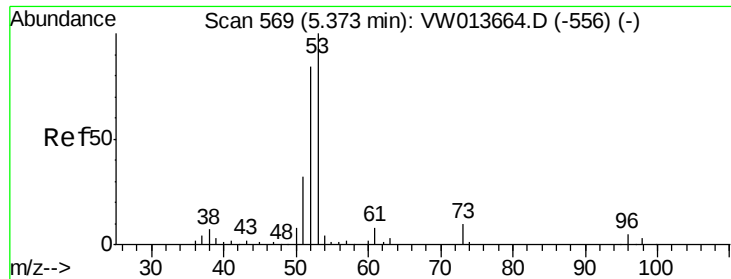
Ion Ratio Lower Upper

41 100

39 63.8 50.0 75.0

76 36.8 29.6 44.4





#15

Acrylonitrile

Concen: 237.798 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

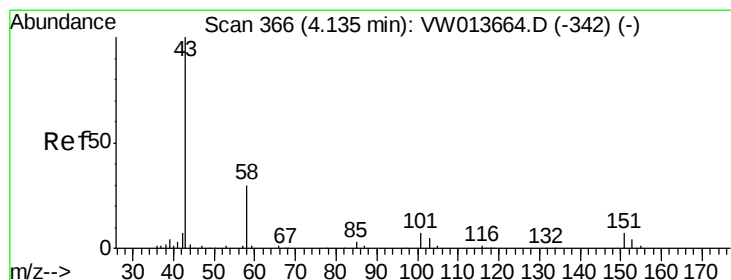
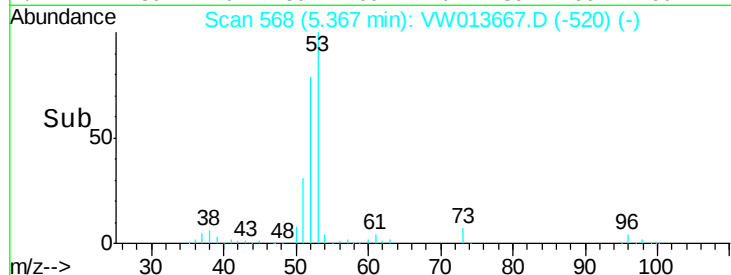
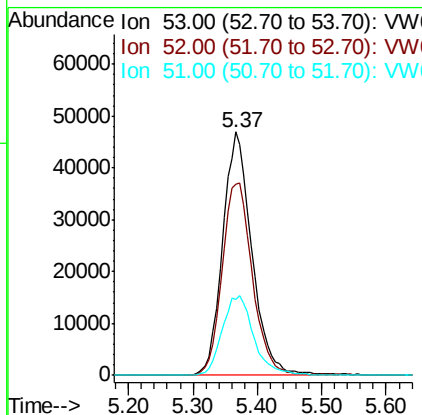
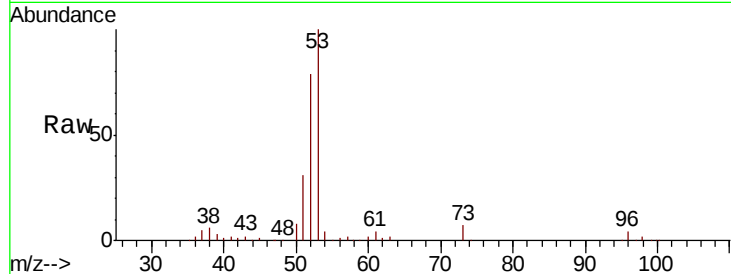
ClientSampleId :

ICVW102319

Tot Ion:	53	Resp:	149334
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.4	101.0
51	35.3	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 261.216 ug/l

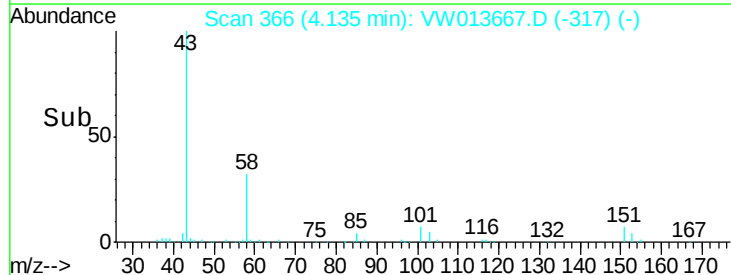
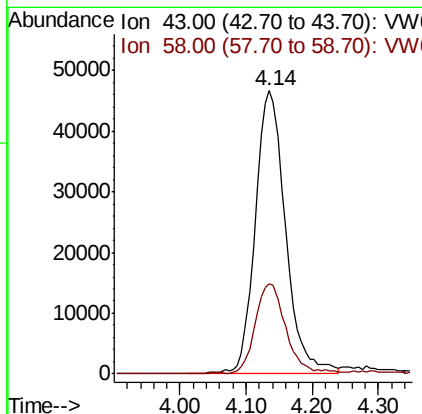
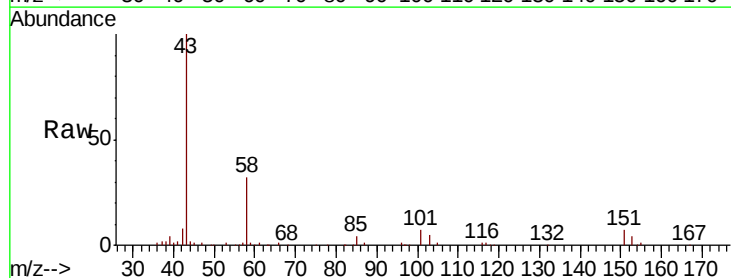
RT: 4.14 min Scan# 366

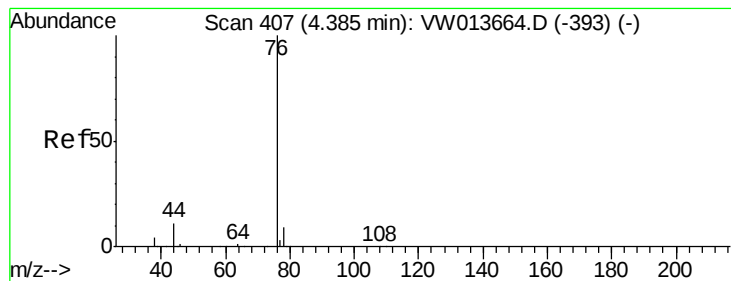
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:	43	Resp:	148712
Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.1	36.1





#17

Carbon Disulfide

Concen: 50.806 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 76 Resp: 468370

Ion Ratio Lower Upper

76 100

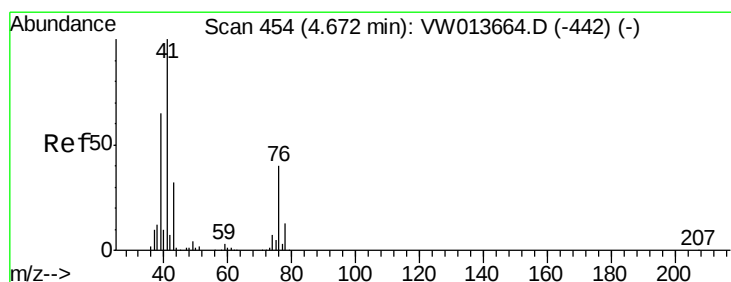
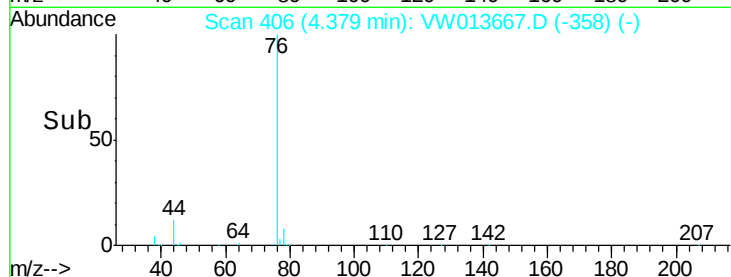
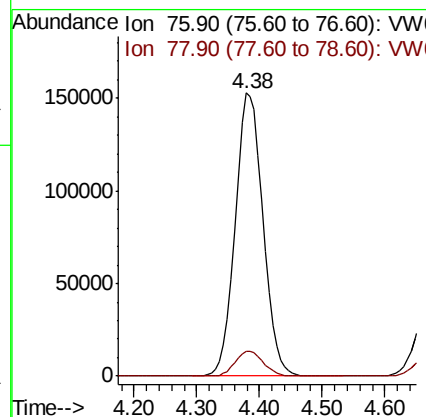
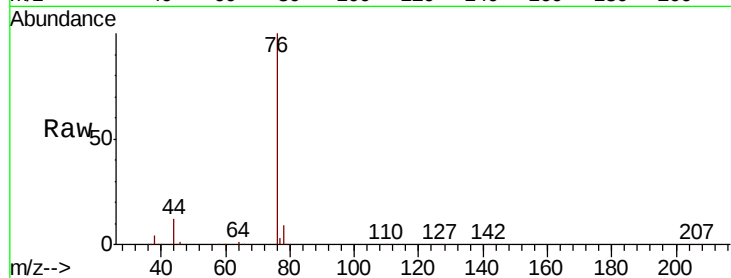
78 8.8 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 45.231 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013667.D

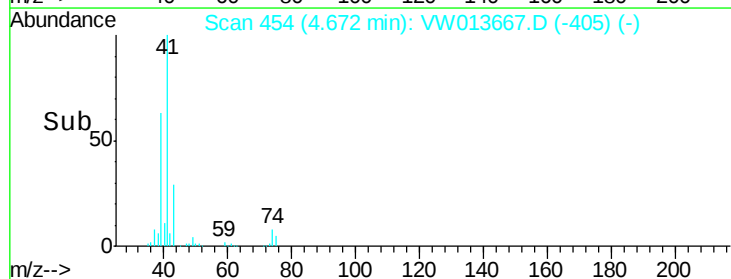
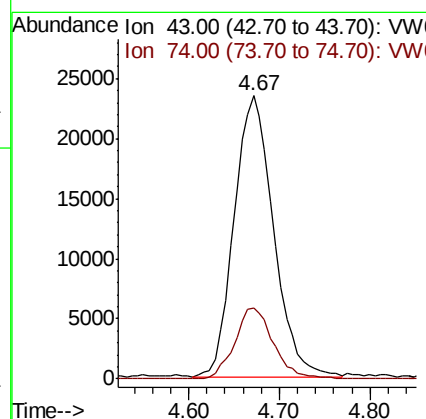
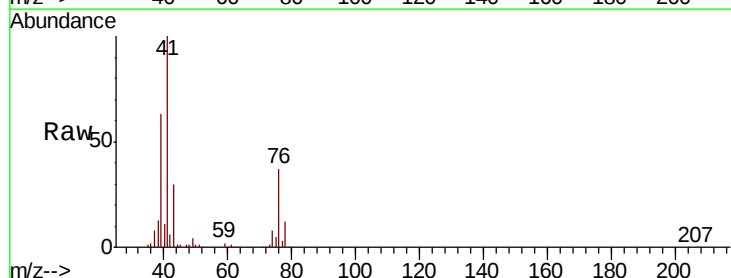
Acq: 23 Oct 2019 14:18

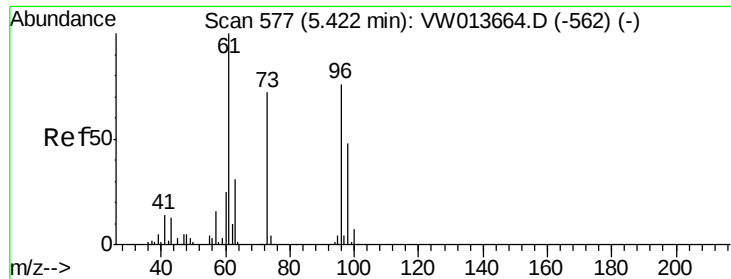
Tgt Ion: 43 Resp: 70588

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8





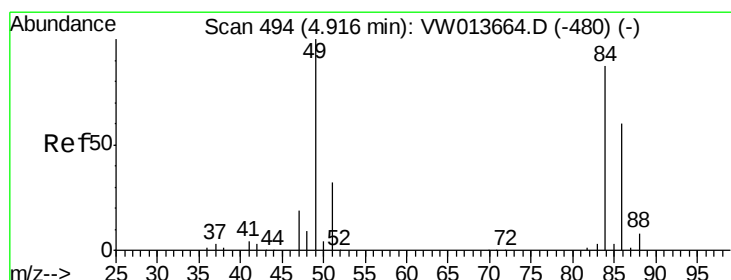
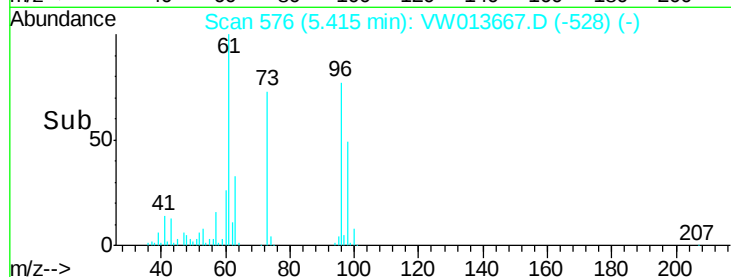
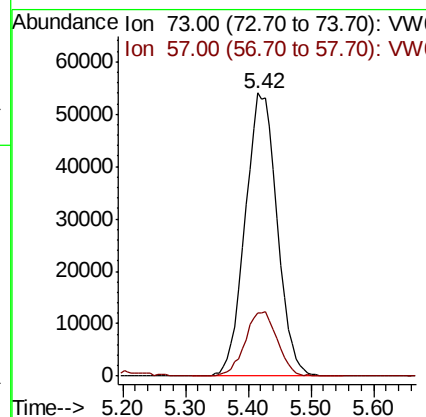
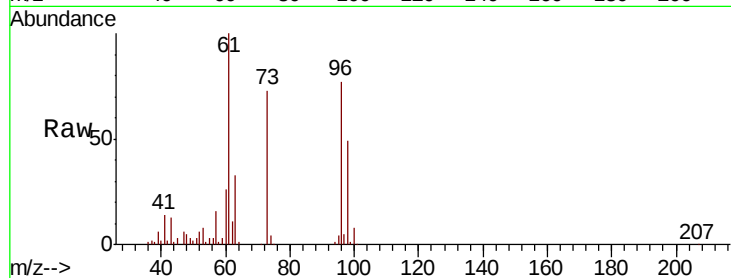
#19
Methvl tert-butvl Ether
Concen: 49.384 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVWV102319

Tot Ion: 73 Resp: 190231
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

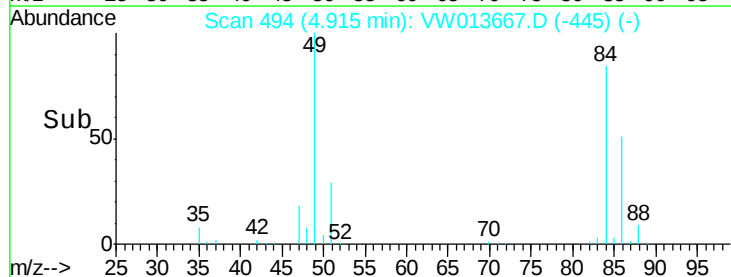
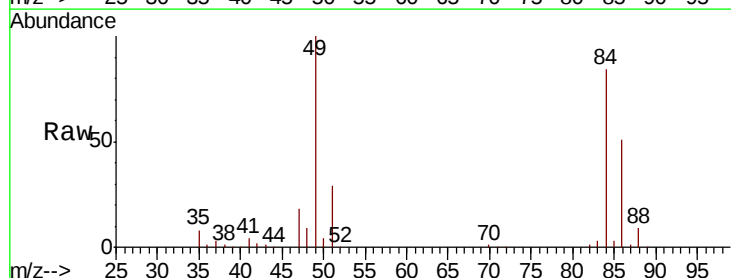
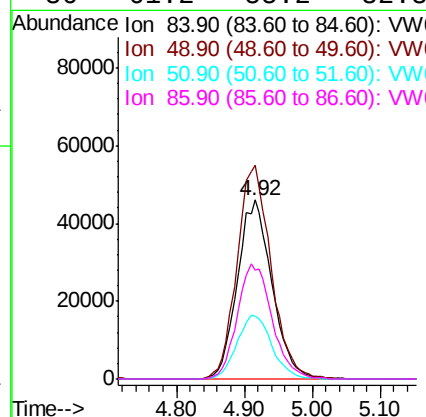
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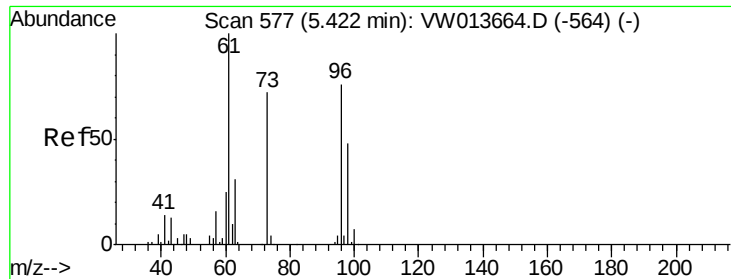
MMDadoda
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#20
Methylene Chloride
Concen: 52.037 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 84 Resp: 162390
Ion Ratio Lower Upper
84 100
49 119.6 91.8 137.6
51 34.9 29.8 44.6
86 61.2 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.799 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 96 Resp: 175509

Ion Ratio Lower Upper

96 100

61 129.3 104.8 157.2

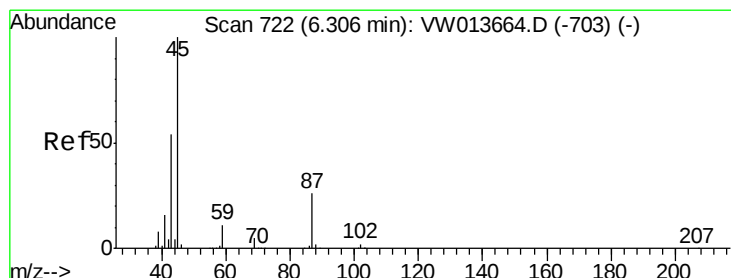
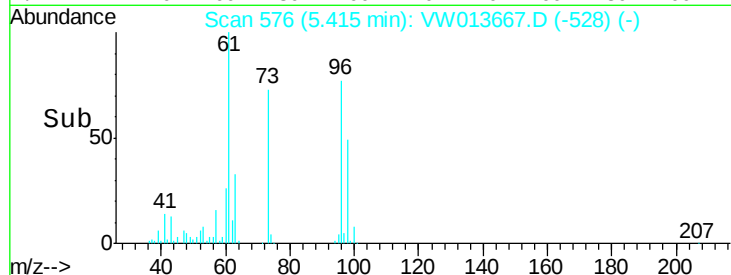
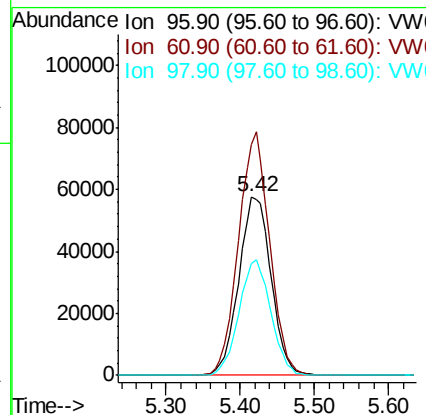
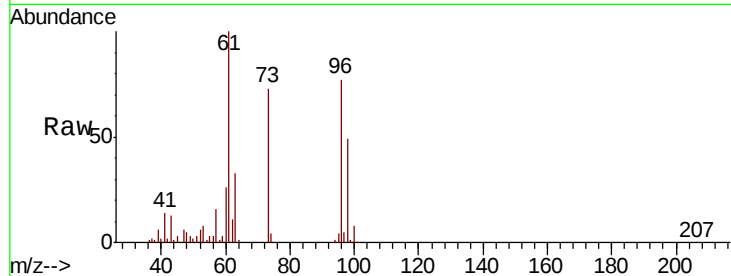
98 62.7 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.048 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion: 45 Resp: 450617

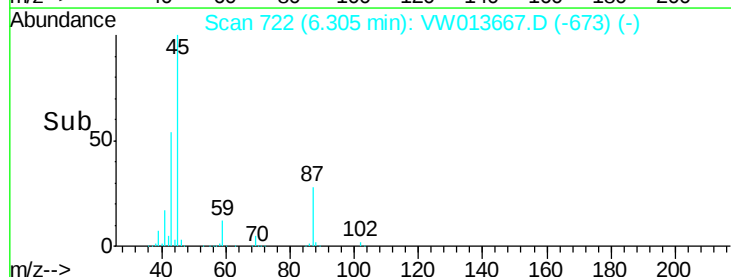
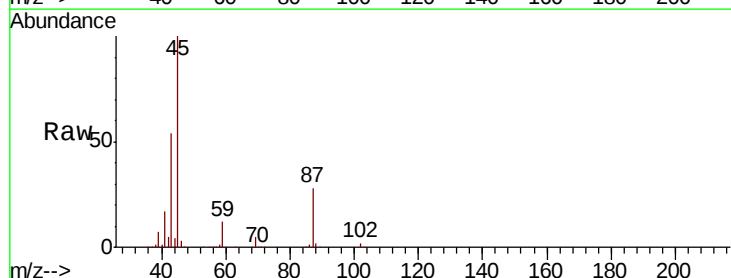
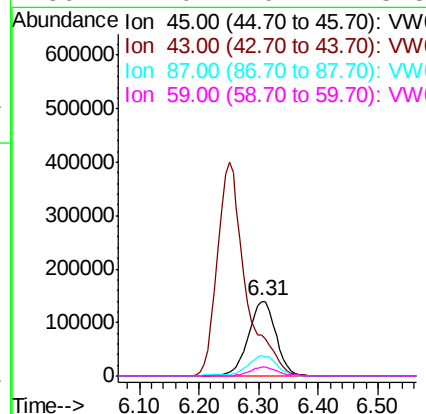
Ion Ratio Lower Upper

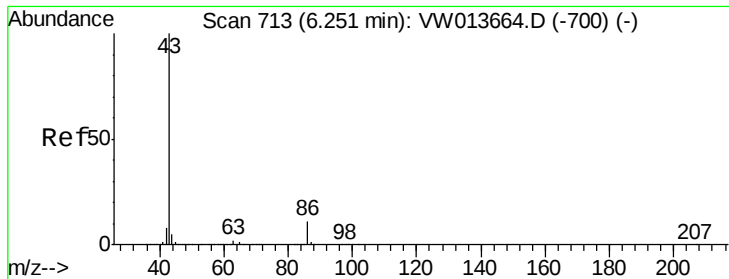
45 100

43 53.6 43.4 65.2

87 28.1 21.5 32.3

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 250.033 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 43 Resp: 1306244

Ion Ratio Lower Upper

43 100

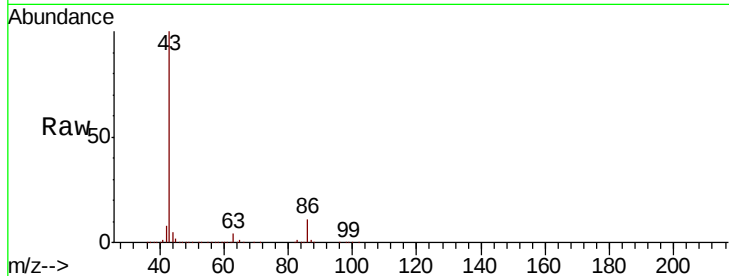
86 11.2 9.0 13.6

Manual Integrations

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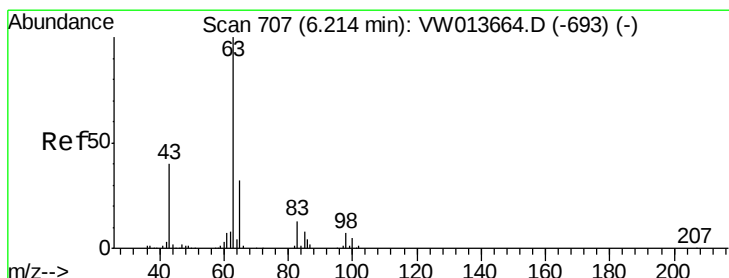
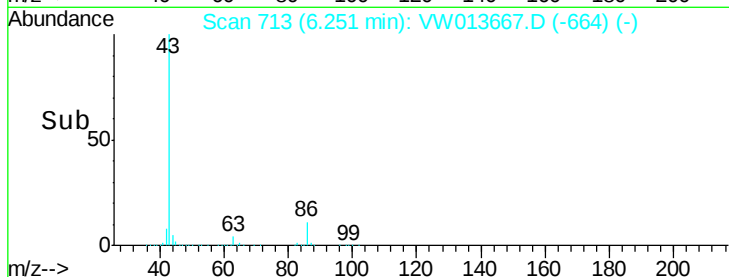
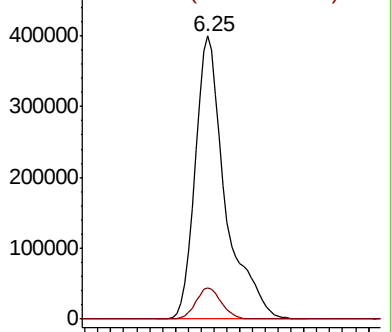
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.636 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

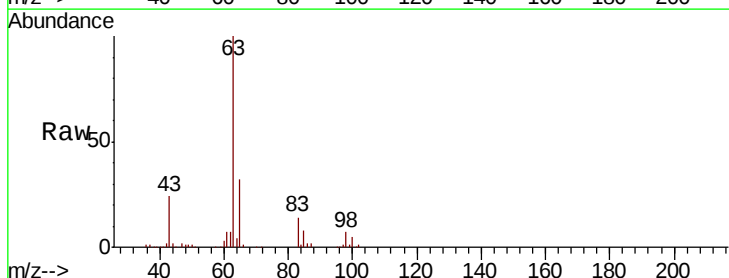
Tgt Ion: 63 Resp: 283037

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

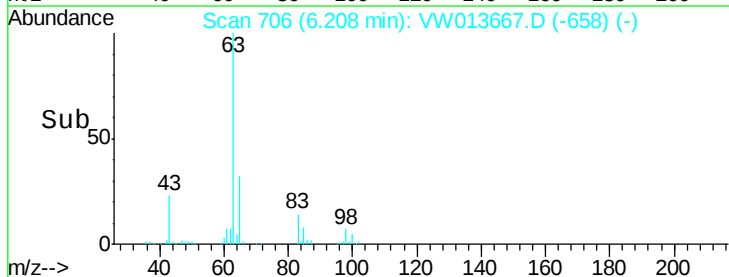
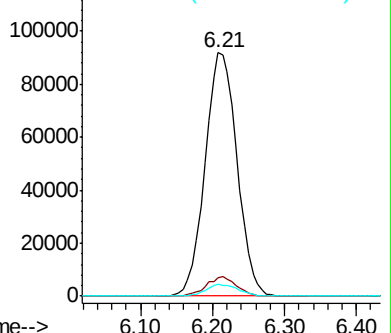
100 4.9 2.5 7.4

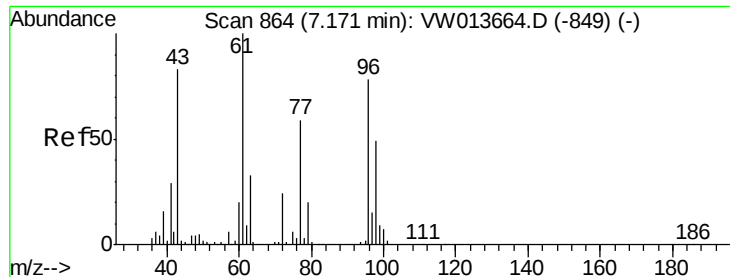


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 232.432 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 43 Resp: 190242

Ion Ratio Lower Upper

43 100

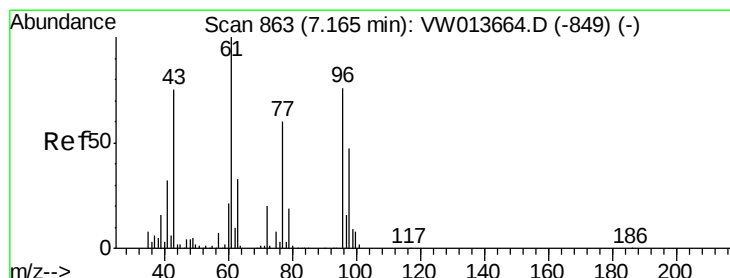
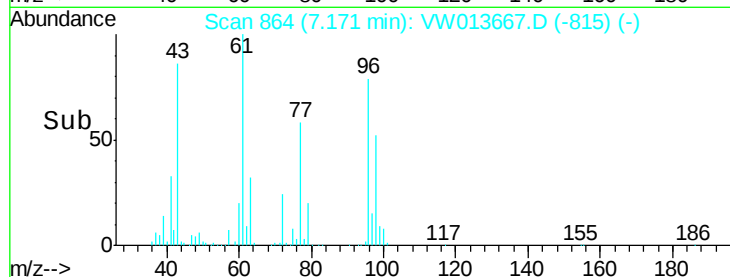
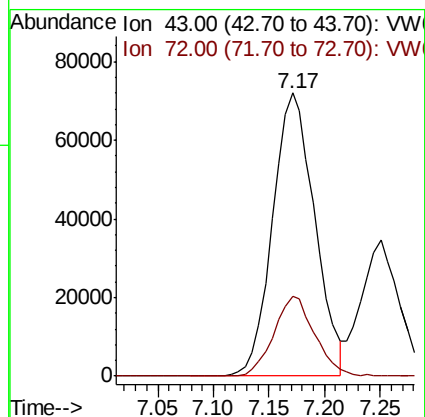
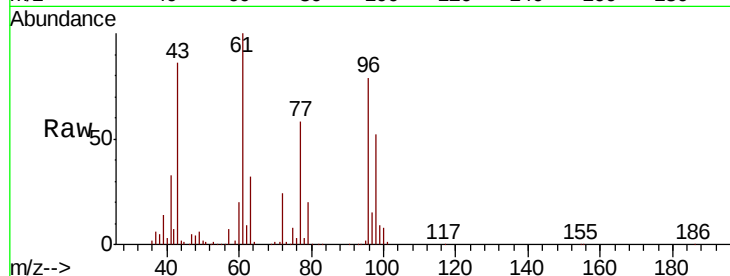
72 28.1 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.635 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013667.D

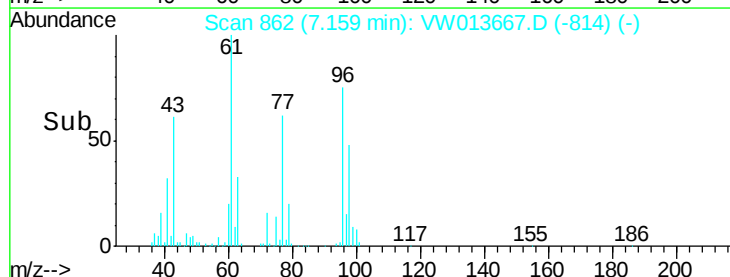
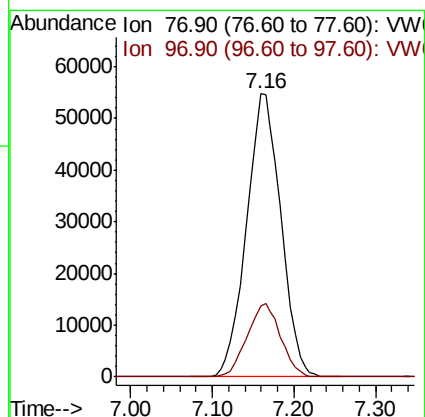
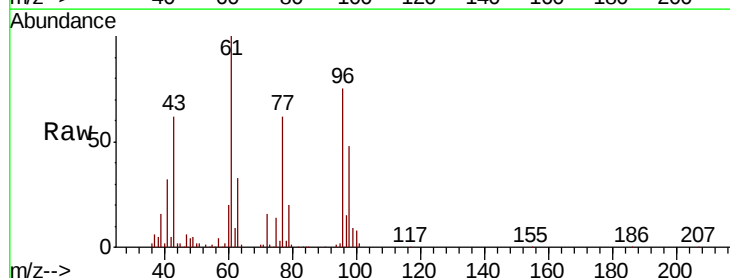
Acq: 23 Oct 2019 14:18

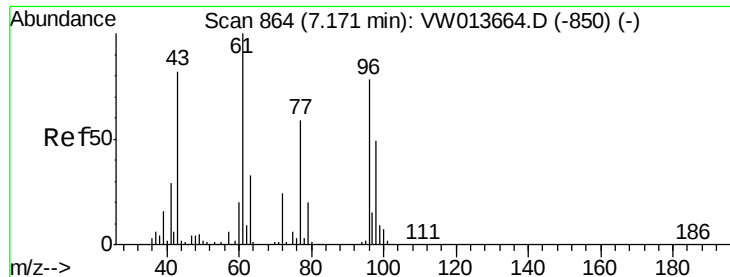
Tgt Ion: 77 Resp: 160364

Ion Ratio Lower Upper

77 100

97 25.3 12.8 38.4





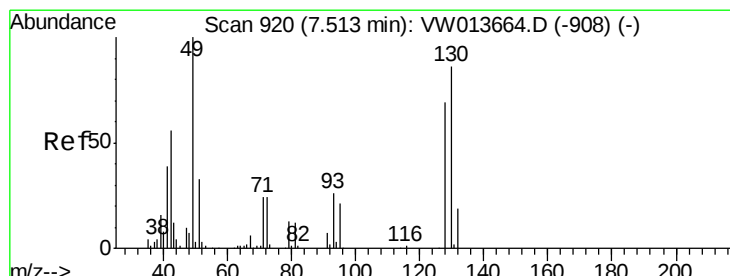
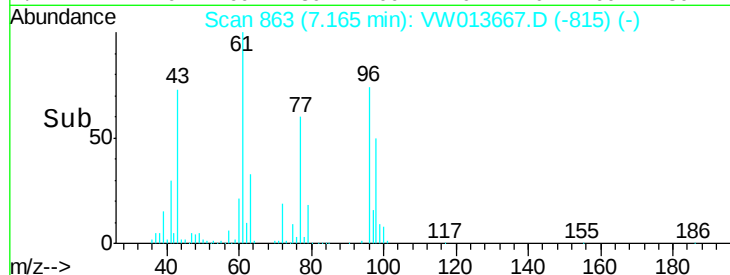
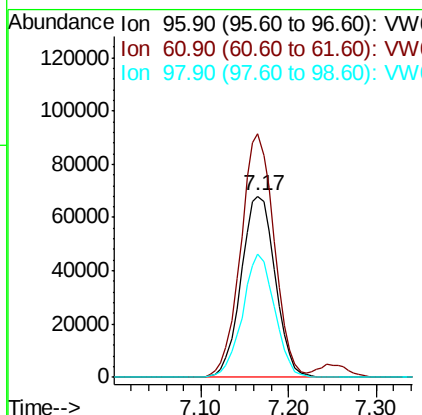
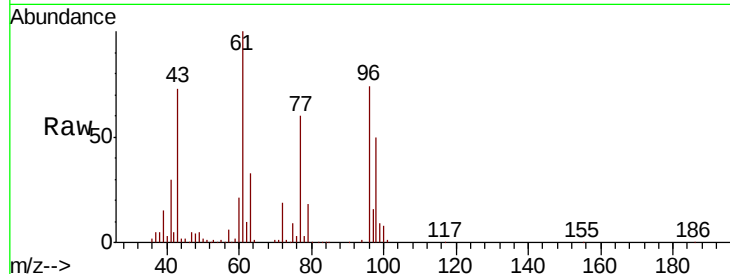
#27
 cis-1,2-Dichloroethene
 Concen: 50.111 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

Tot Ion	Ratio	Resp	Lower	Upper
96	100	183890		
61	132.2	0.0	266.0	
98	64.1	0.0	126.8	

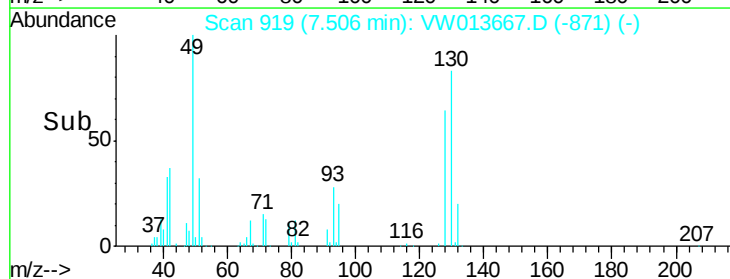
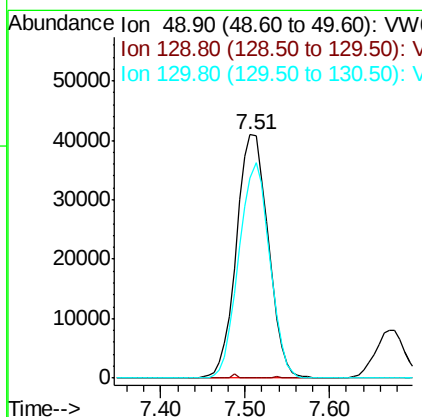
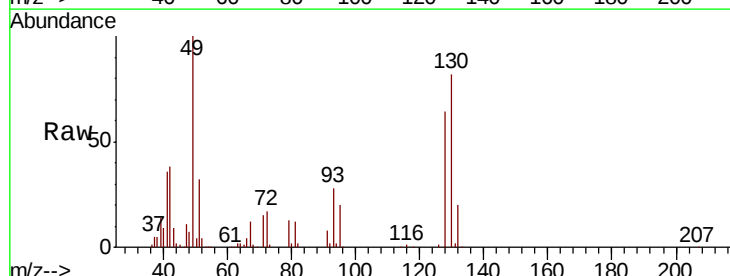
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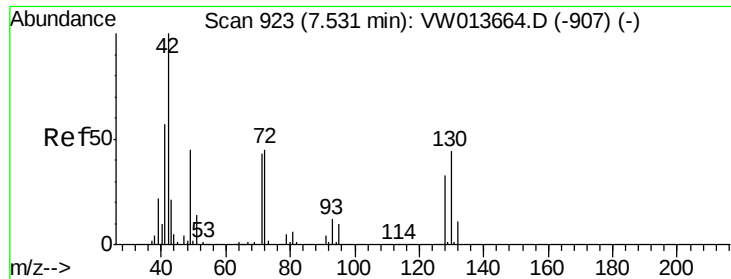
MMDadoda
 10/24/2019 1:27:03 PM



#28
 Bromochloromethane
 Concen: 51.509 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104730		
129	0.0	0.0	0.6	
130	85.7	67.5	101.3	





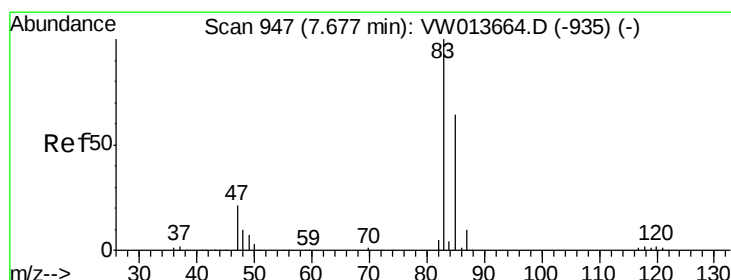
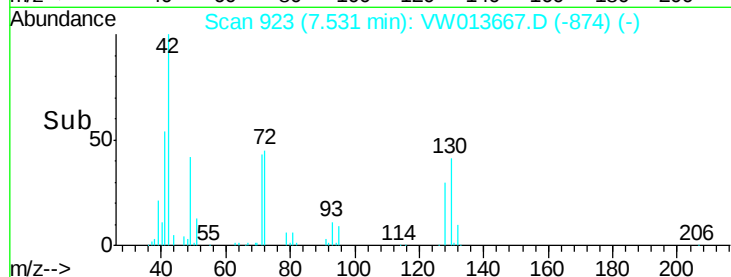
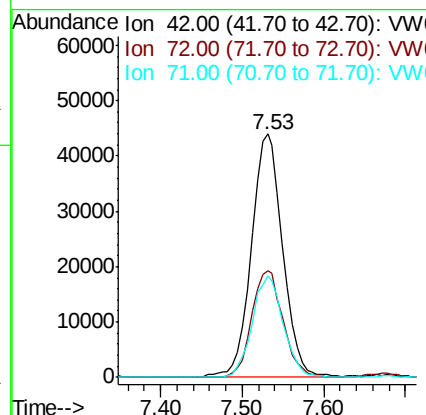
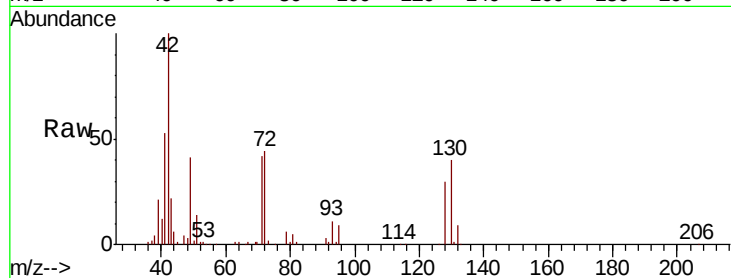
#29
Tetrahydrofuran
Concen: 232.591 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.3	52.9
71	41.2	33.3	49.9

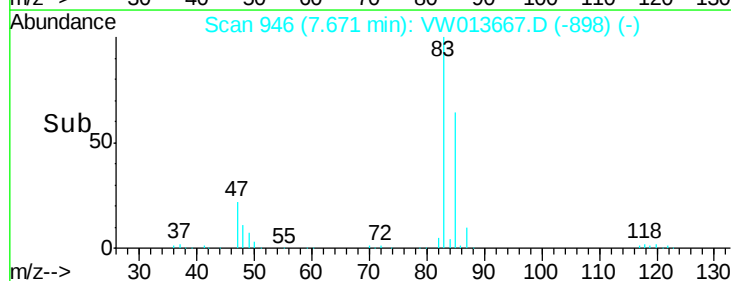
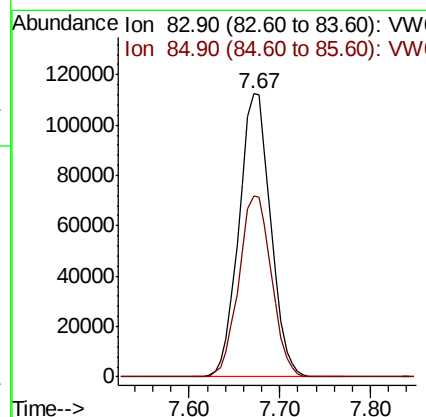
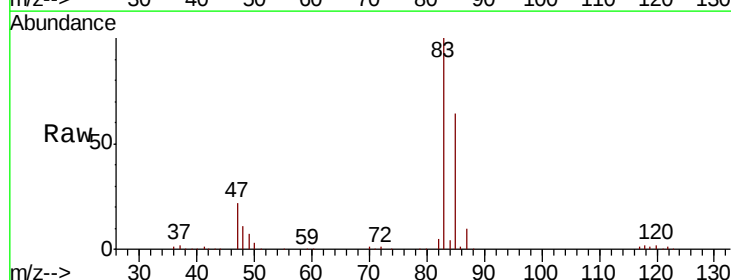
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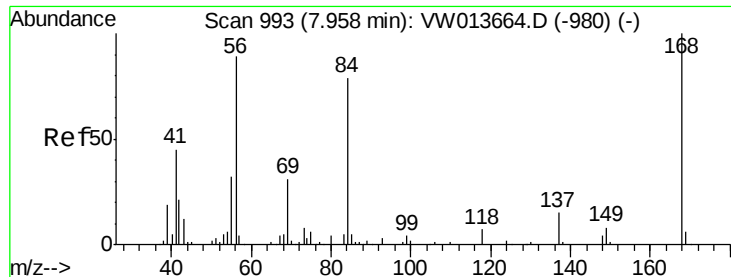
MMDadoda
10/24/2019 1:27:03 PM



#30
Chloroform
Concen: 48.407 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





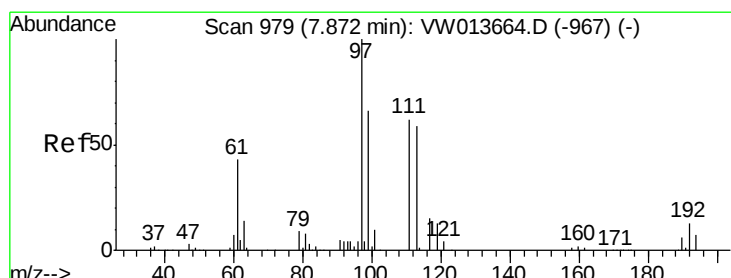
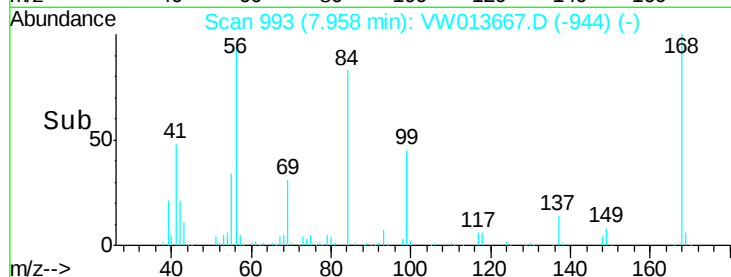
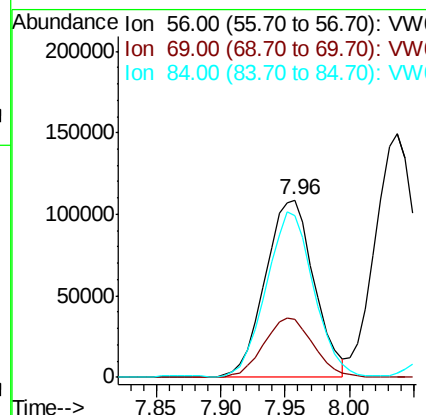
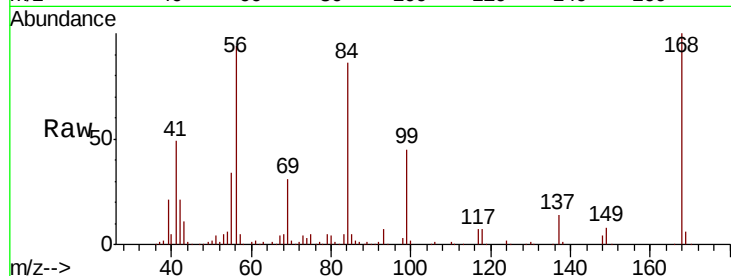
#31
Cyclohexane
Concen: 47.947 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.5	41.3
84	90.4	70.8	106.2

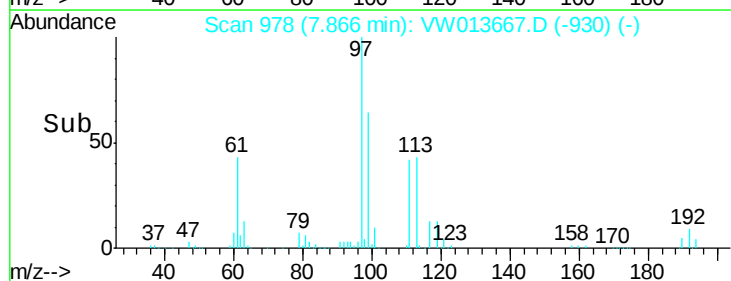
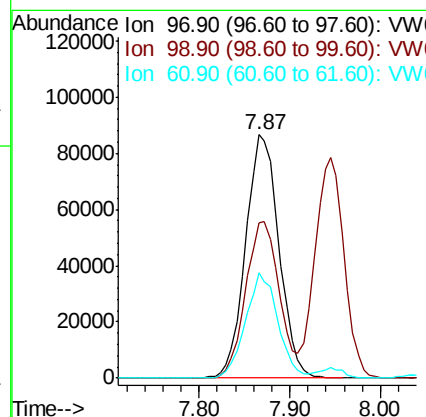
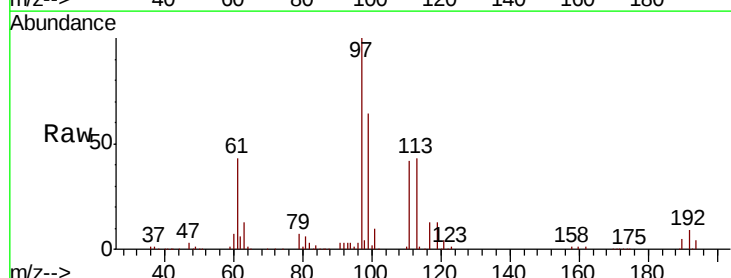
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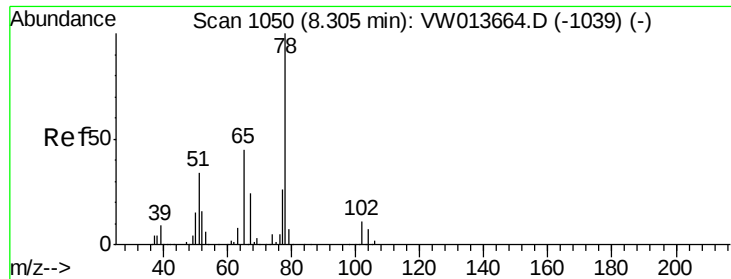
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.774 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	42.1	33.8	50.6





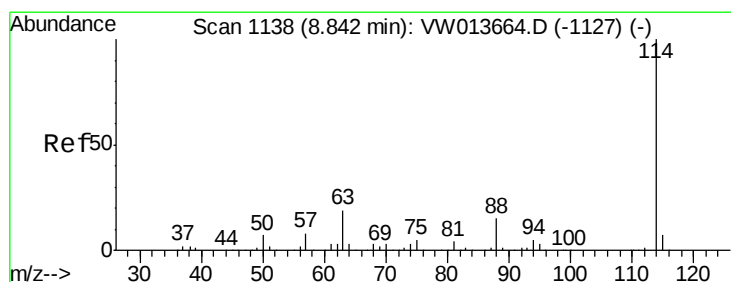
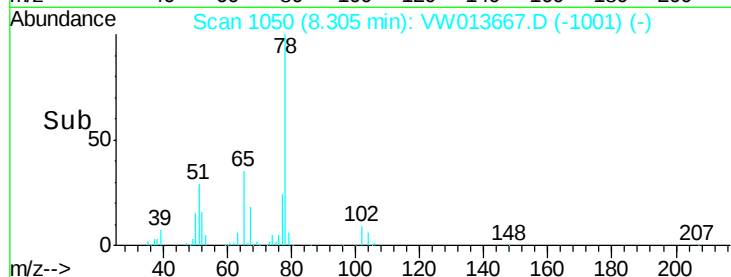
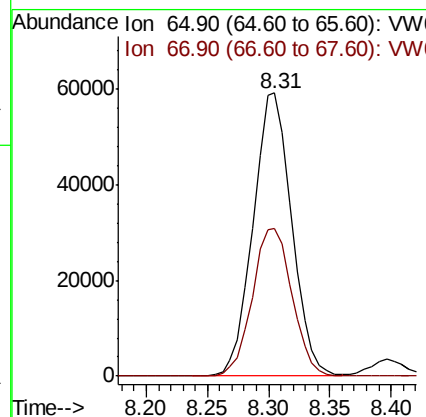
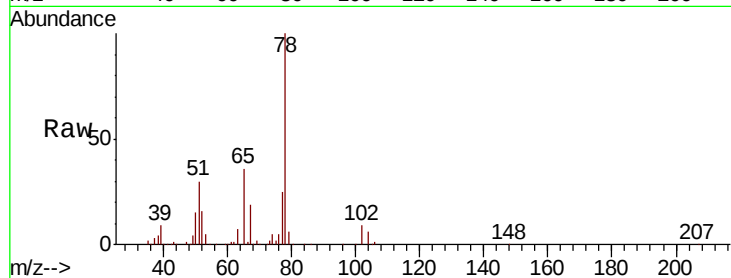
#33
 1,2-Dichloroethane-d4
 Concen: 48.508 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

Tot Ion	Ratio	Resp	Lower	Upper
65	100	130245		
67	53.5	0.0	109.4	

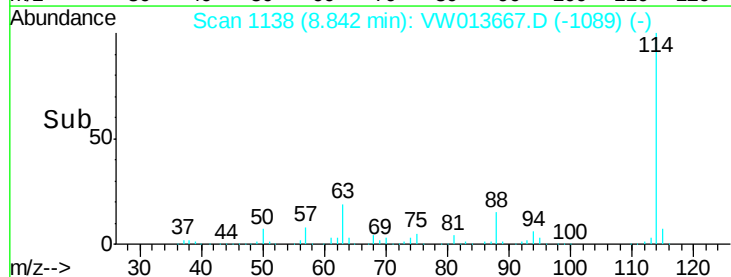
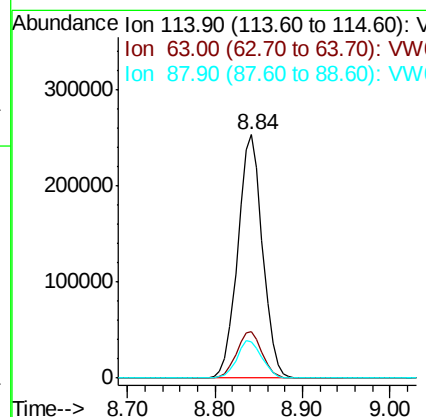
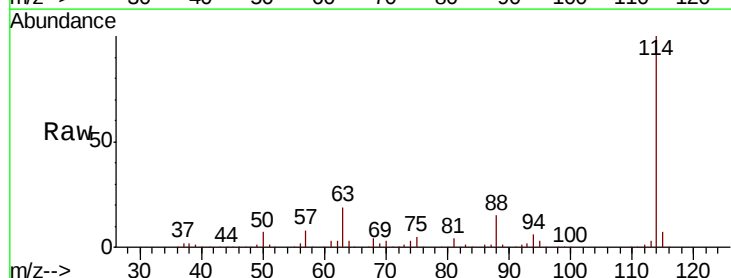
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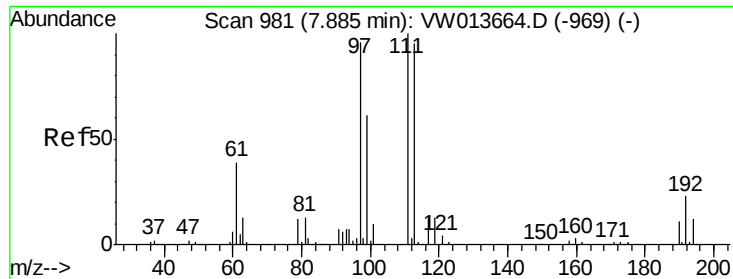
MMDadoda
 10/24/2019 1:27:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	497392		
63	19.1	0.0	37.6	
88	14.9	0.0	30.2	





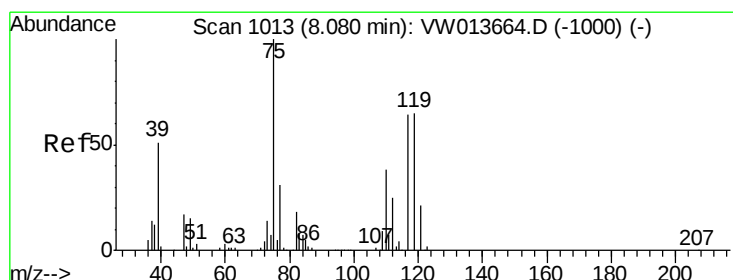
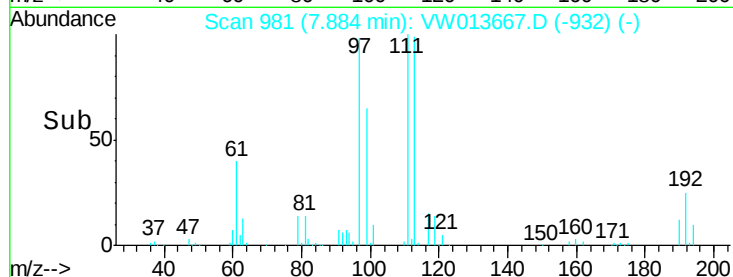
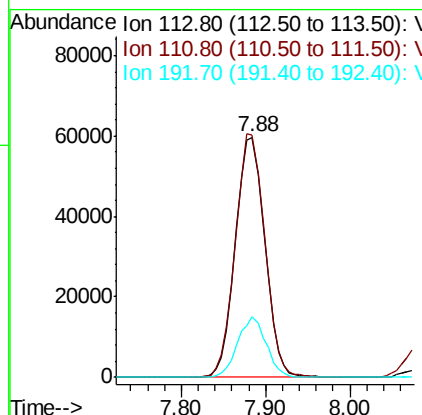
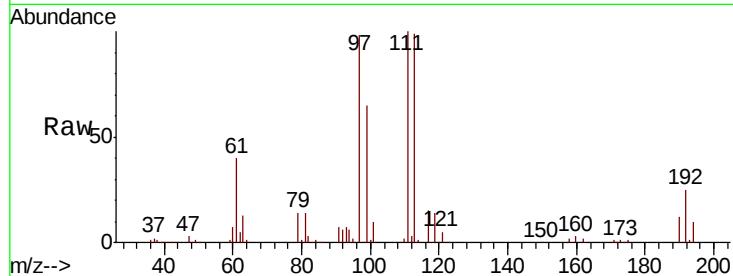
#35
Dibromofluoromethane
Concen: 51.277 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.3	83.0	124.6	
192	24.1	19.4	29.2	

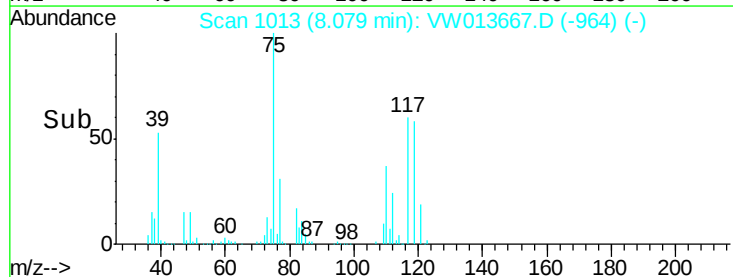
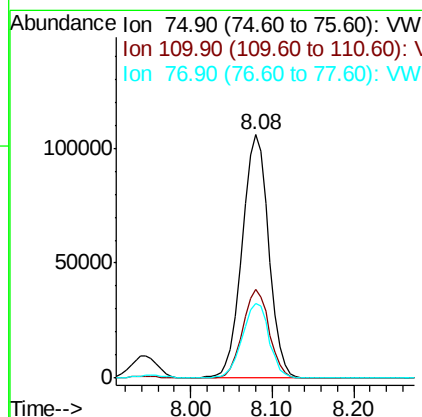
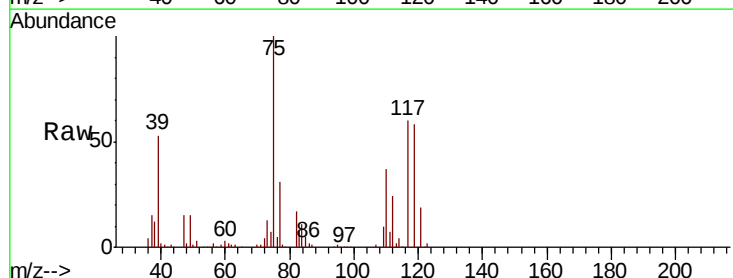
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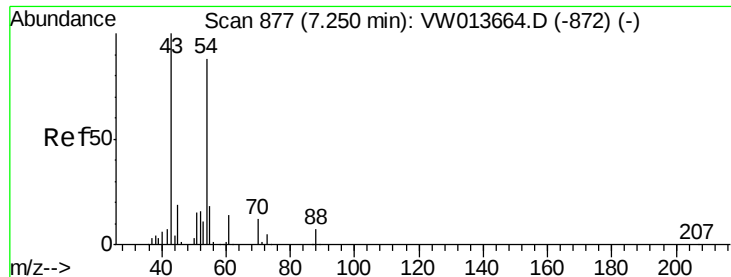
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#36
1,1-Dichloropropene
Concen: 51.632 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.7	56.1	
77	31.0	25.4	38.0	





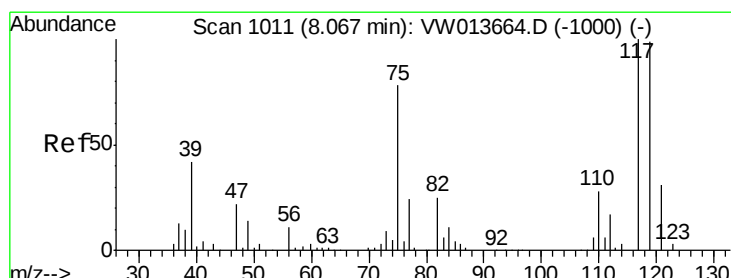
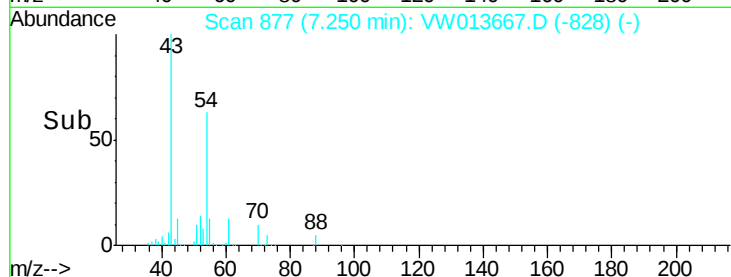
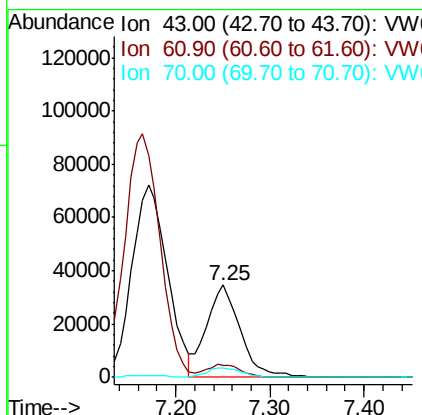
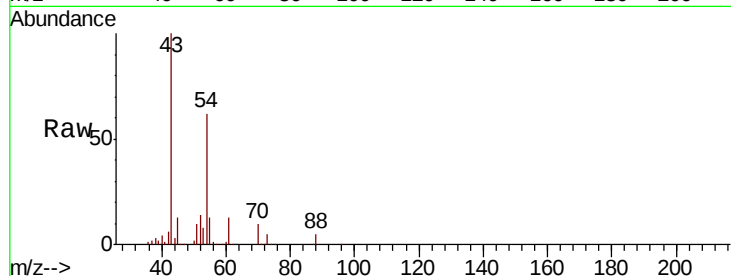
#37
Ethyl Acetate
Concen: 48.288 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW0102319

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	10.9	8.8	13.2

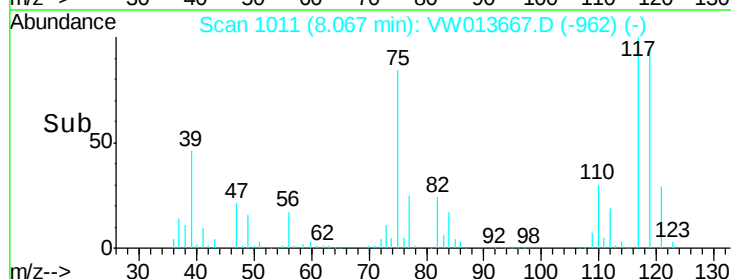
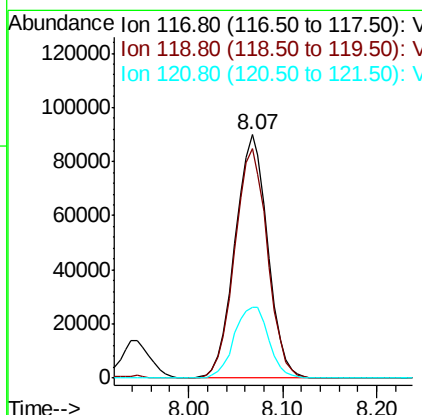
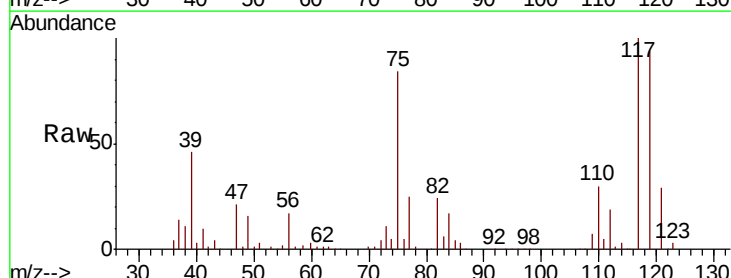
Manual Integrations
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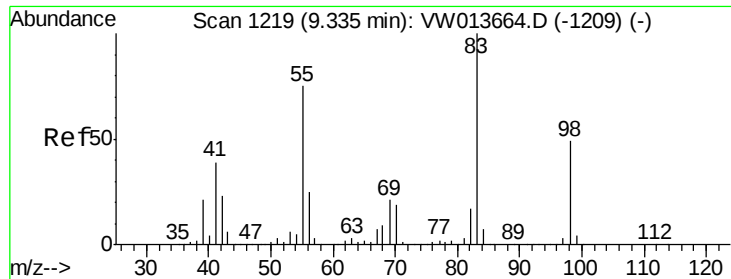
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.060 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	79.0	118.4
121	28.9	24.5	36.7





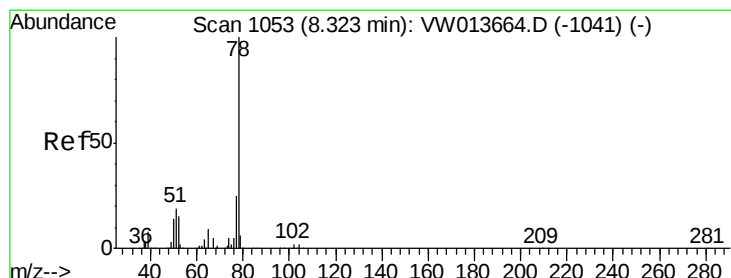
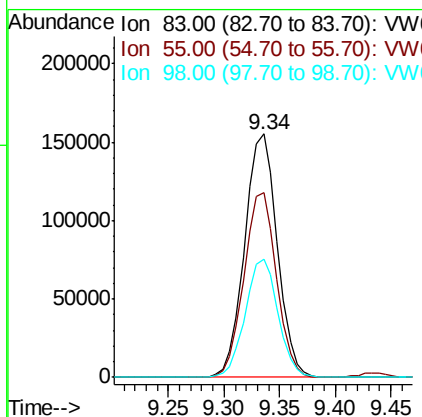
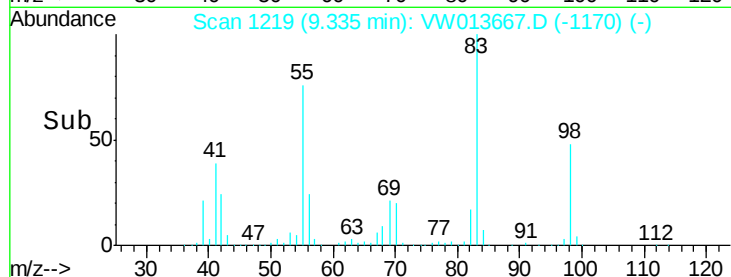
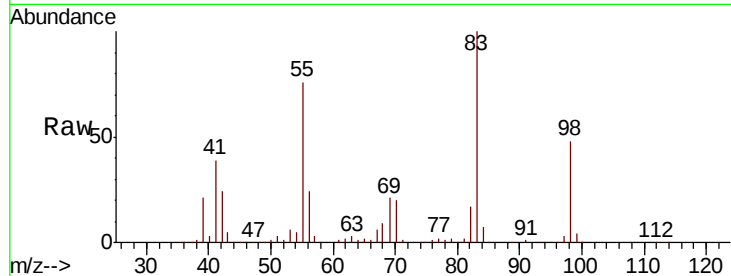
#39
Methvlcvclohexane
Concen: 53.000 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	59.9	89.9
98	48.4	39.4	59.2

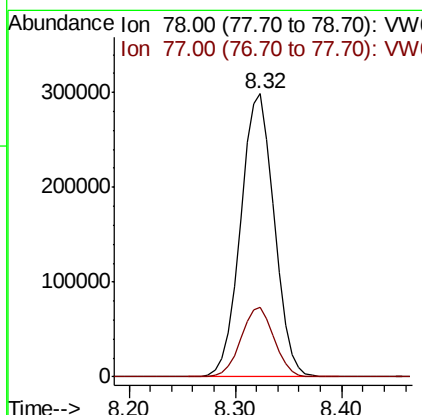
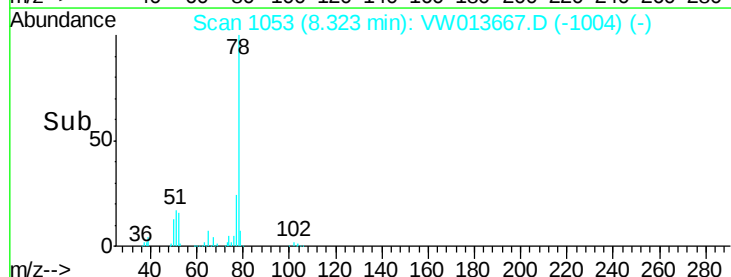
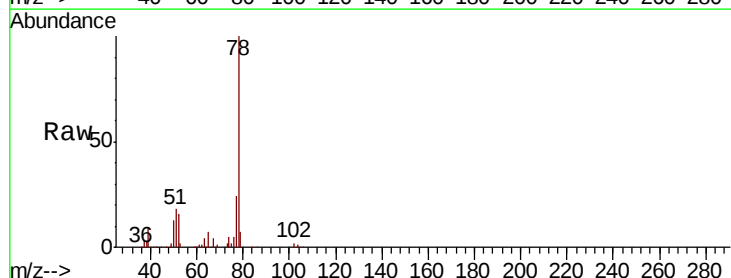
Manual Integrations
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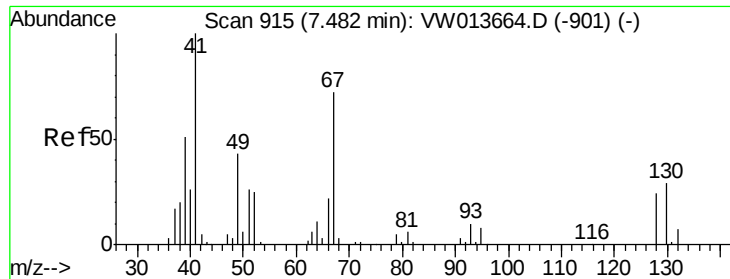
MMDadoda
10/24/2019 1:27:03 PM



#40
Benzene
Concen: 50.479 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





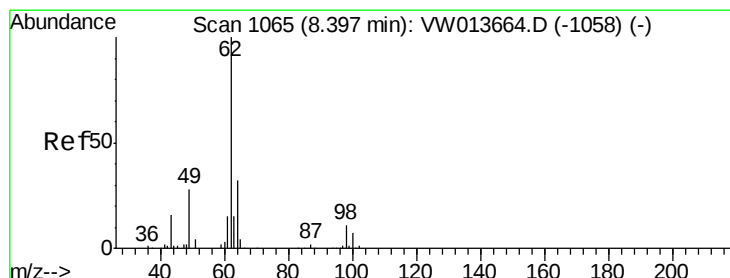
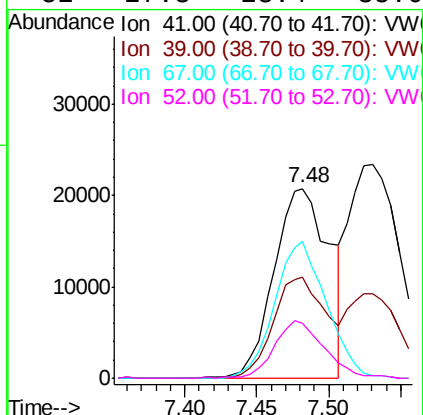
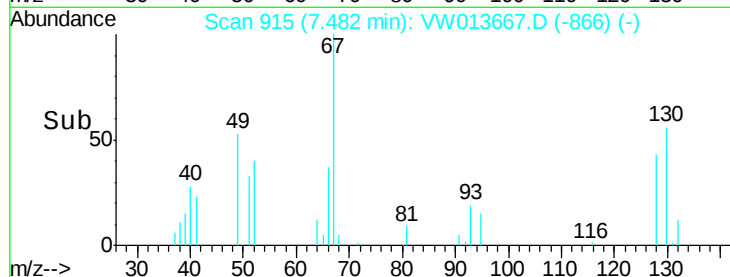
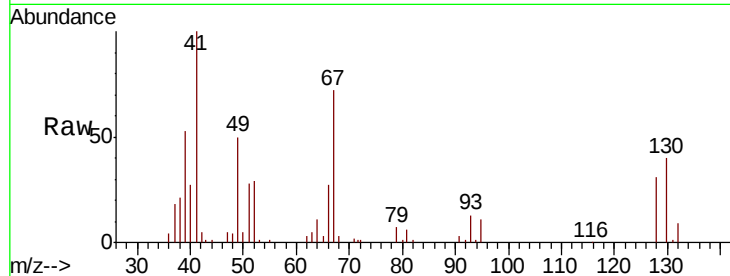
#41
Methacrylonitrile
Concen: 50.296 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	41	Resp:	55615
Ion	Ratio	Lower	Upper
41	100		
39	51.1	44.8	67.2
67	67.4	59.3	88.9
52	27.3	23.4	35.0

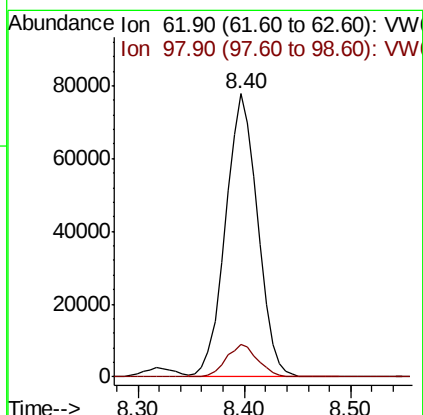
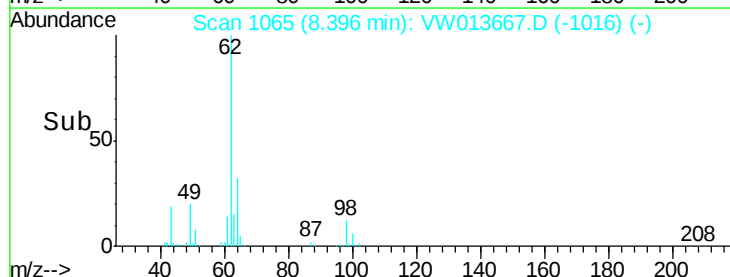
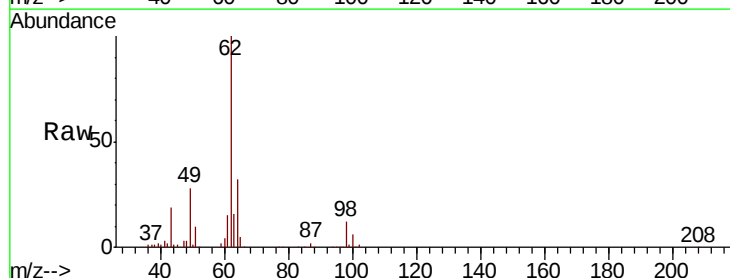
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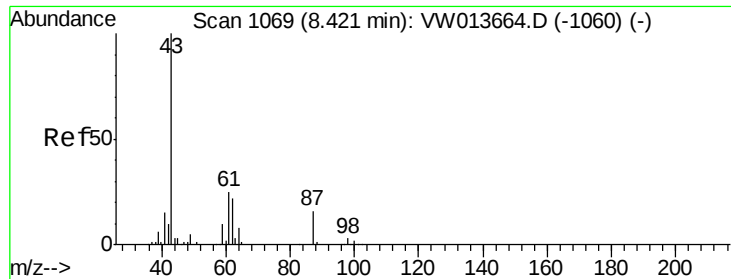
MMDadoda
10/24/2019 1:27:03 PM



#42
1,2-Dichloroethane
Concen: 49.731 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	62	Resp:	164285
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.4





#43

Isopropyl Acetate

Concen: 48.655 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

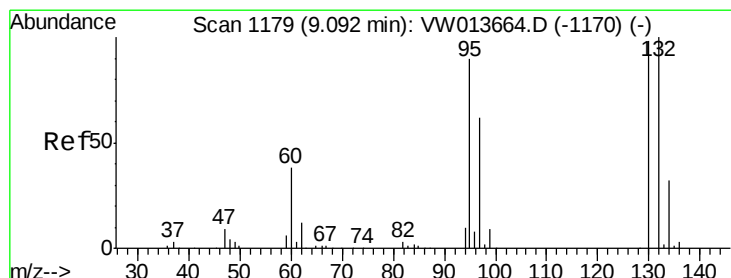
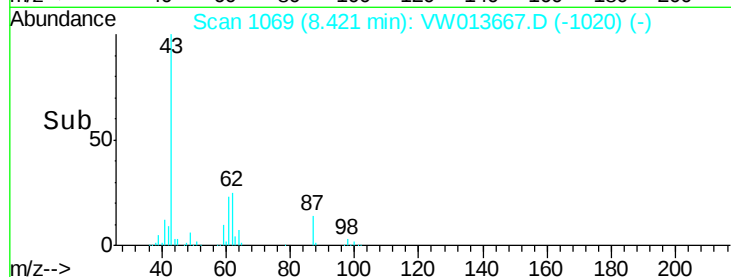
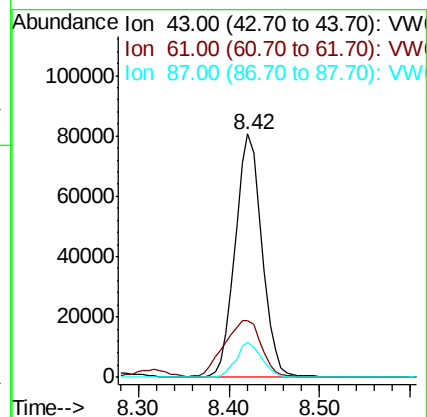
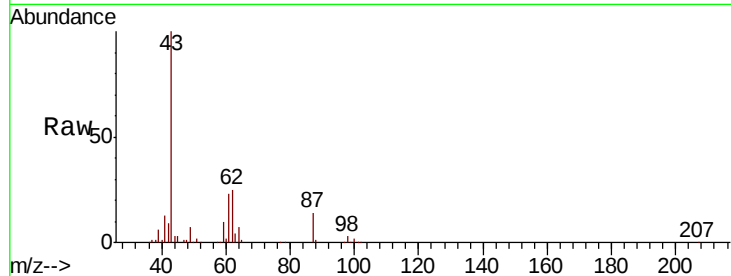
ClientSampleId :

ICVW102319

Tot Ion:	43	Resp:	165144
Ion	Ratio	Lower	Upper
43	100		
61	32.8	26.1	39.1
87	13.7	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.780 ug/l

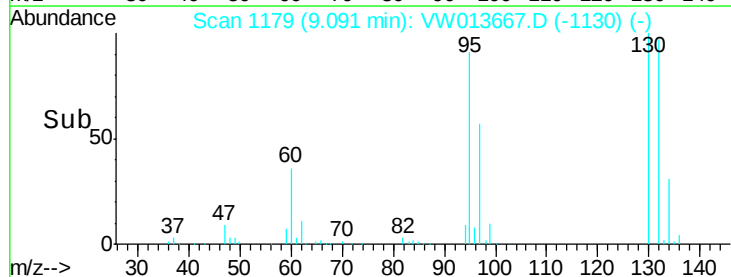
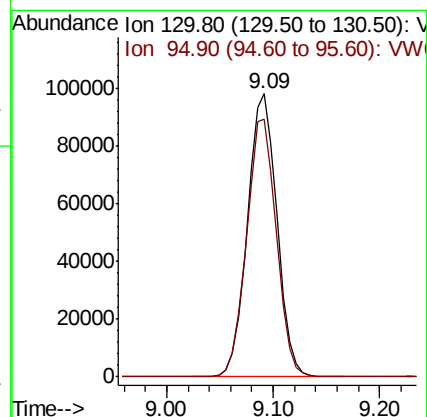
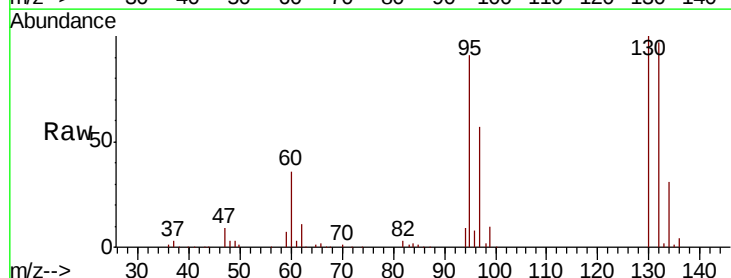
RT: 9.09 min Scan# 1179

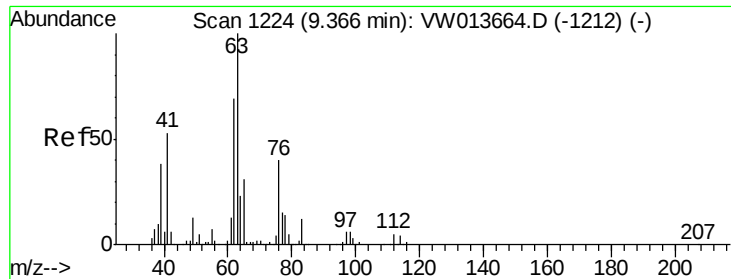
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:	130	Resp:	190688
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	184.6





#45

1,2-Dichloropropane

Concen: 50.675 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW0102319

Tot Ion: 63 Resp: 158676

Ion Ratio Lower Upper

63 100

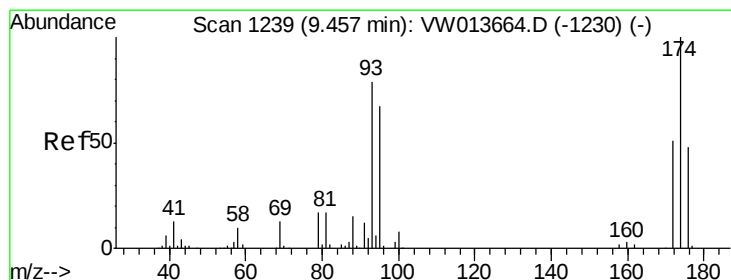
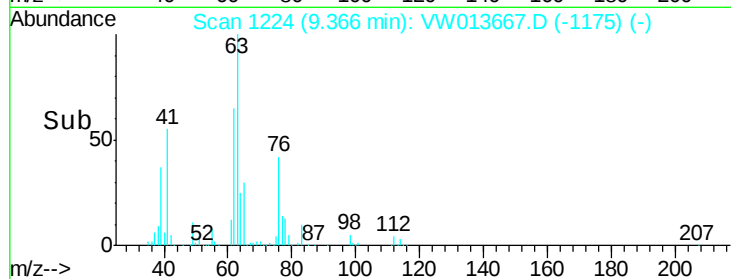
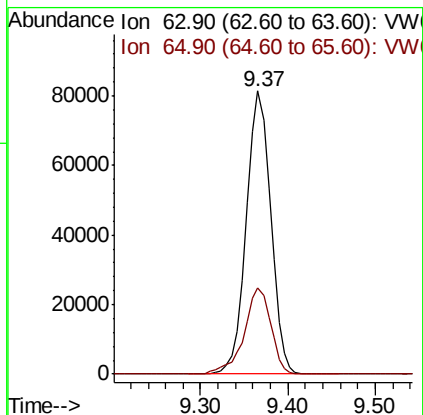
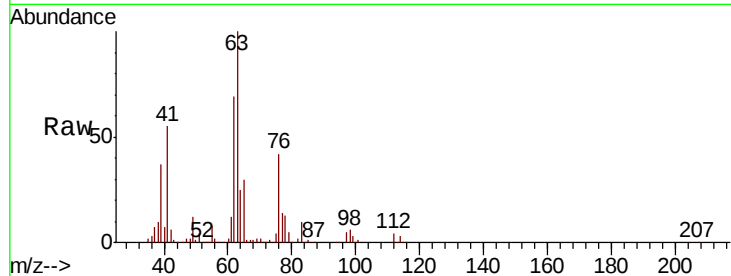
65 30.3 25.2 37.8

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#46

Dibromomethane

Concen: 49.537 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

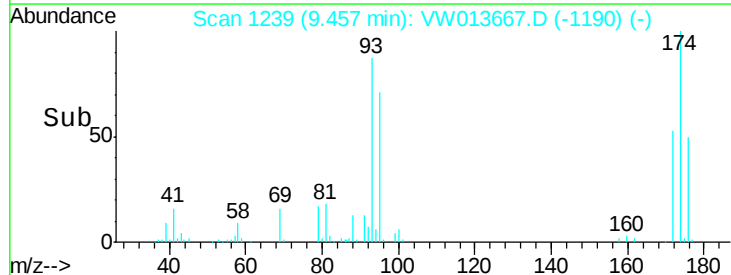
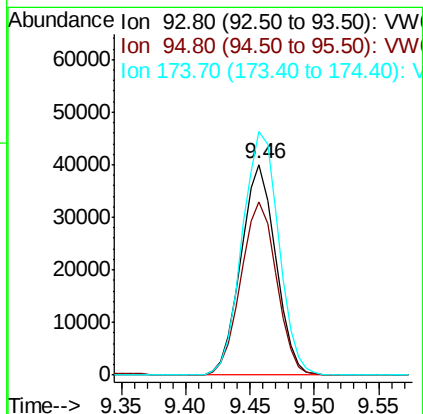
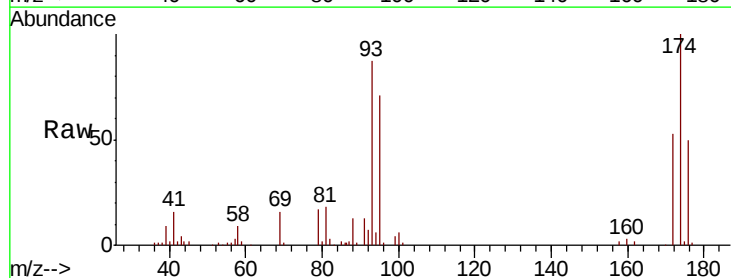
Tgt Ion: 93 Resp: 75285

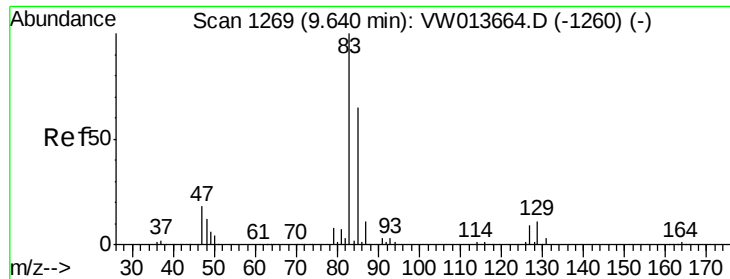
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 120.5 99.6 149.4





#47

Bromodichloromethane

Concen: 50.895 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

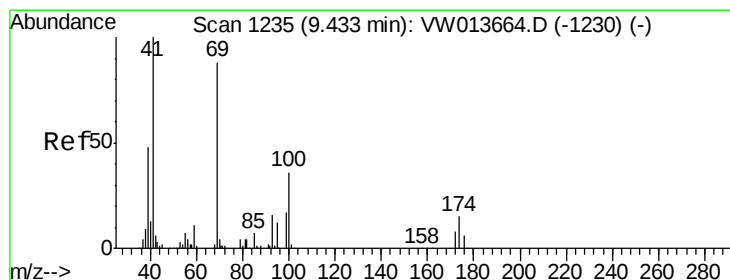
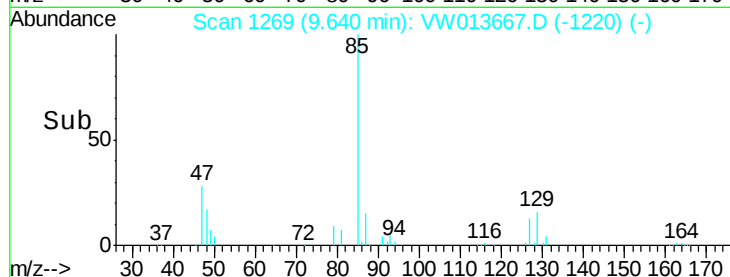
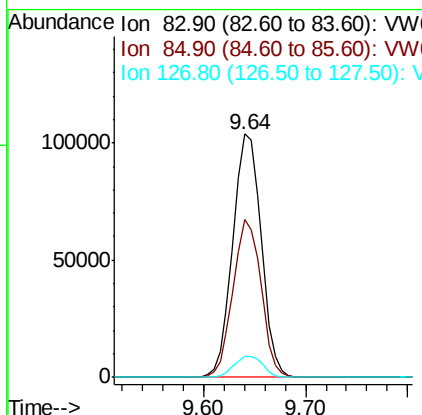
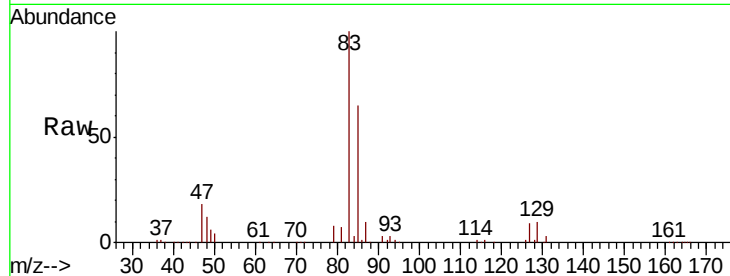
ClientSampleId :

ICVWV102319

Tot Ion:	83	Resp:	200133
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.8	77.6
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.273 ug/l

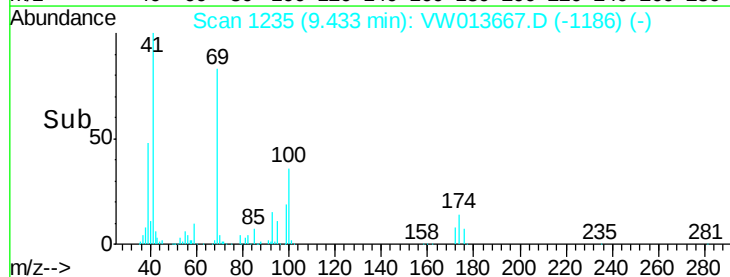
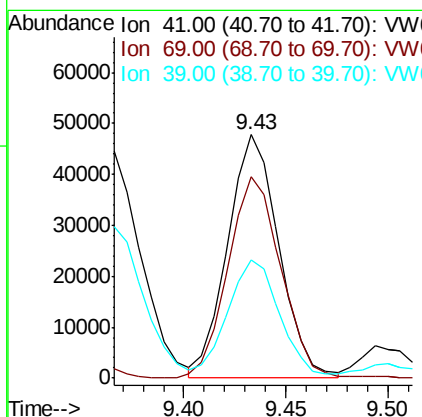
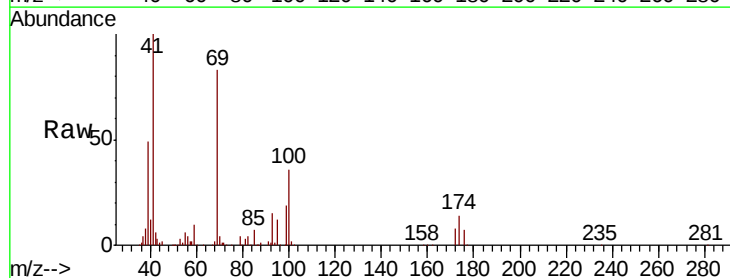
RT: 9.43 min Scan# 1235

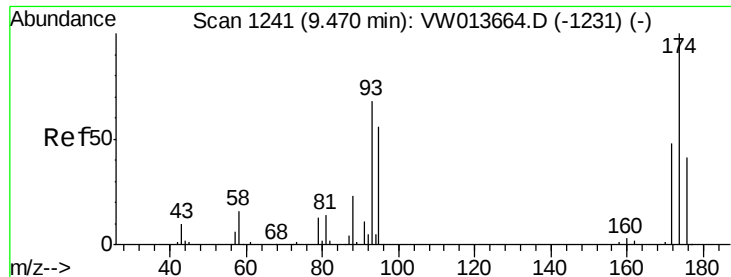
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:	41	Resp:	82936
Ion Ratio	Lower	Upper	
41	100		
69	86.2	67.6	101.4
39	46.0	38.6	58.0





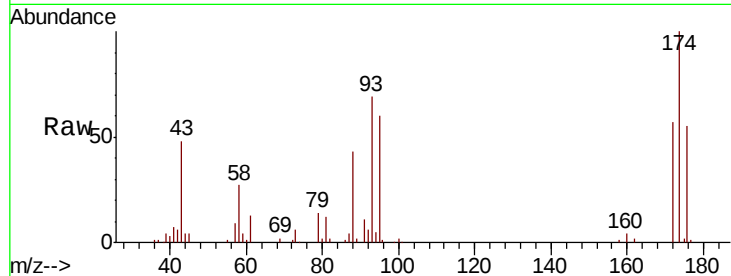
#49
1,4-Dioxane
Concen: 910.245 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

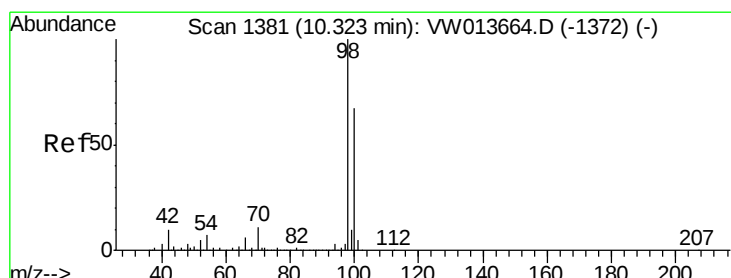
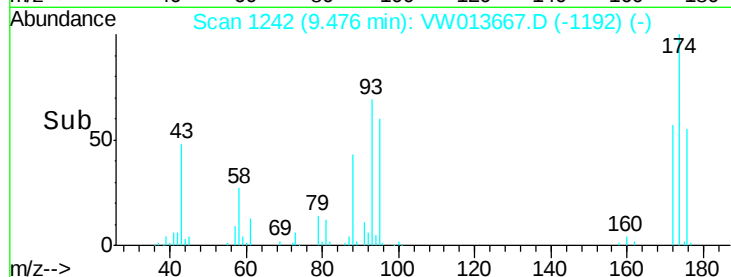
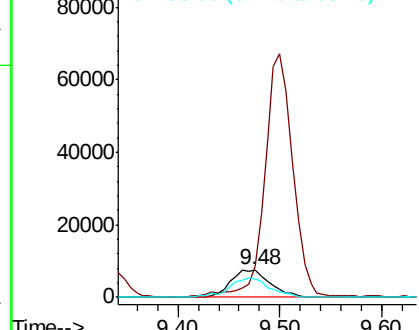
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.2	58.9	88.3

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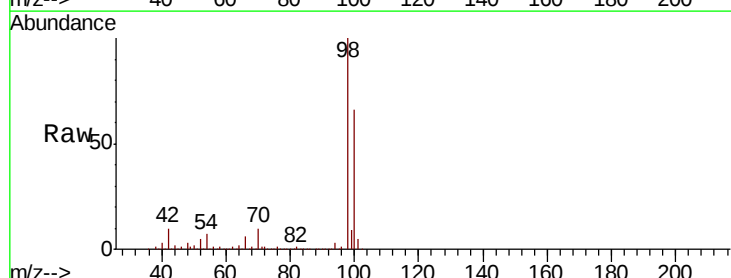


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

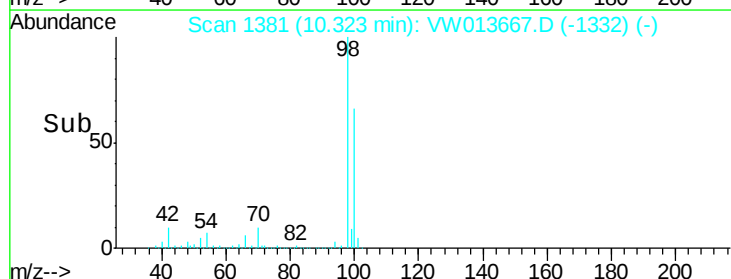
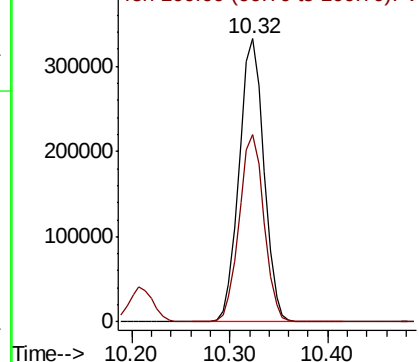


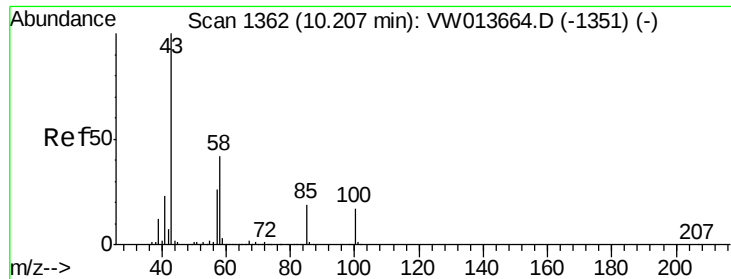
#50
Toluene-d8
Concen: 51.961 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 238.016 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 43 Resp: 401446

Ion Ratio Lower Upper

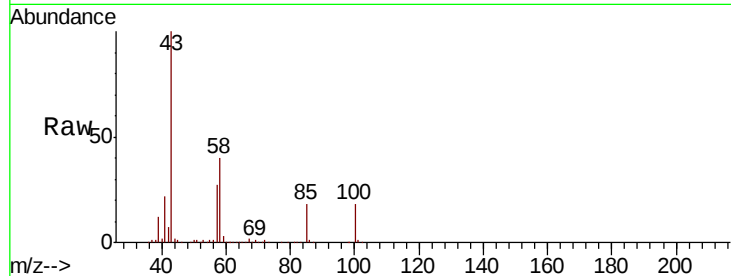
43 100

58 41.1 32.6 49.0

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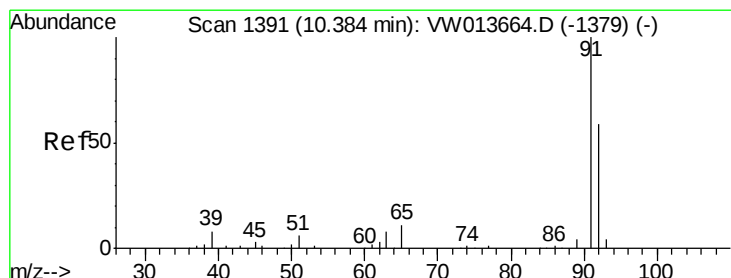
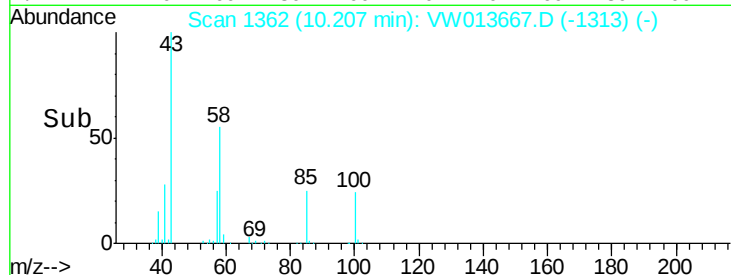
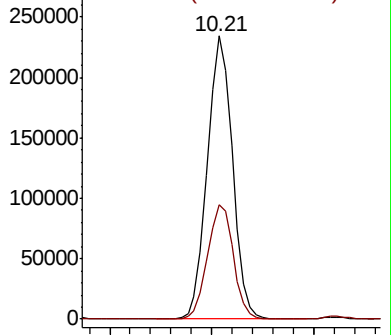
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.733 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013667.D

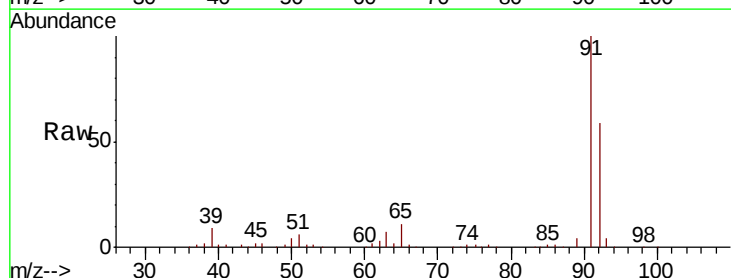
Acq: 23 Oct 2019 14:18

Tgt Ion: 92 Resp: 428997

Ion Ratio Lower Upper

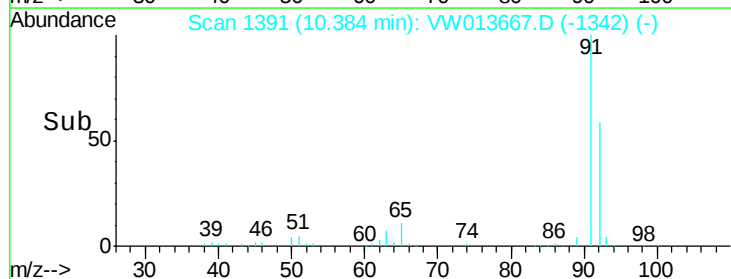
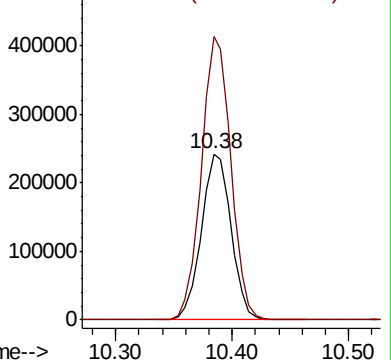
92 100

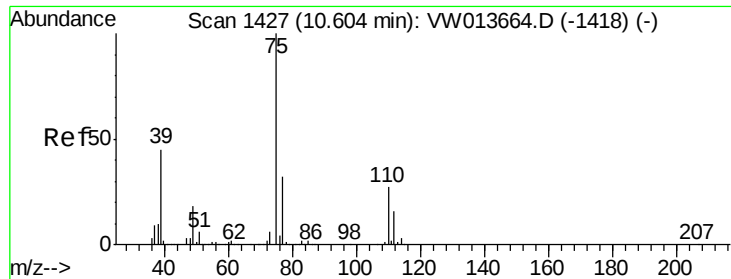
91 169.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 51.473 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 75 Resp: 204905

Ion Ratio Lower Upper

75 100

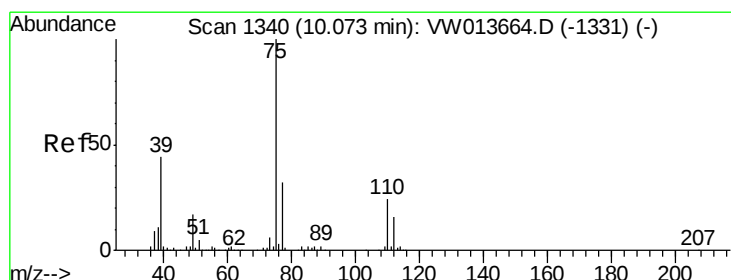
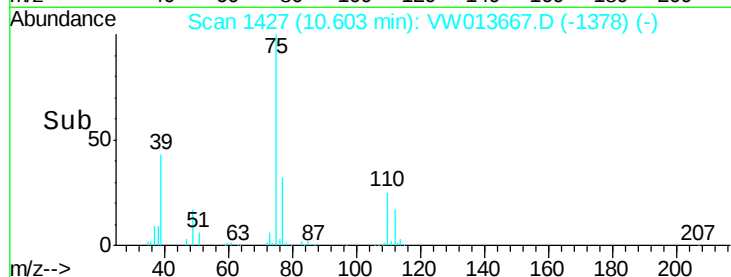
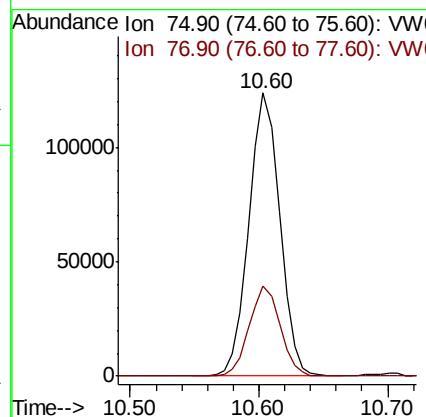
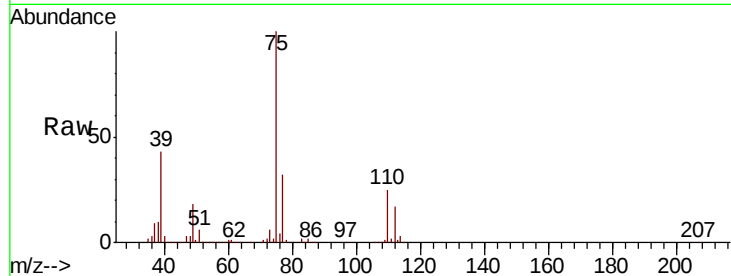
77 31.6 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 51.551 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

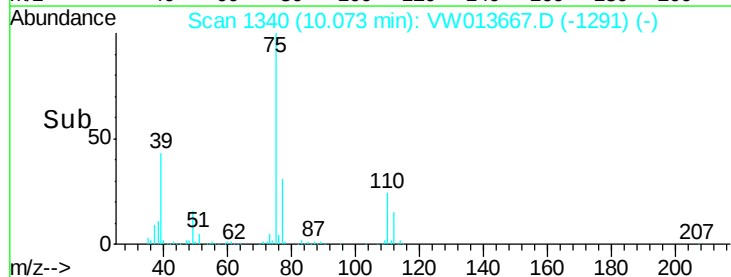
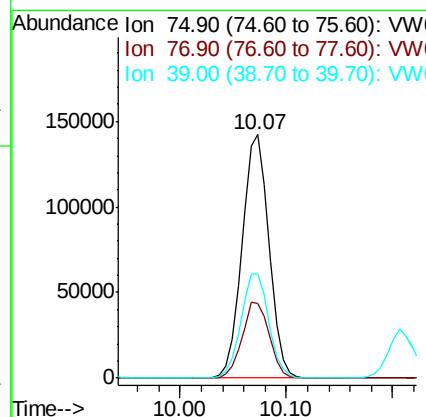
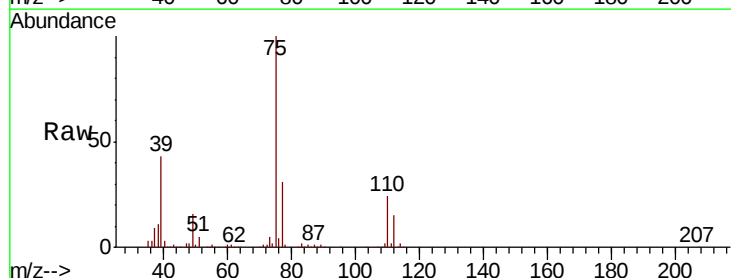
Tgt Ion: 75 Resp: 253185

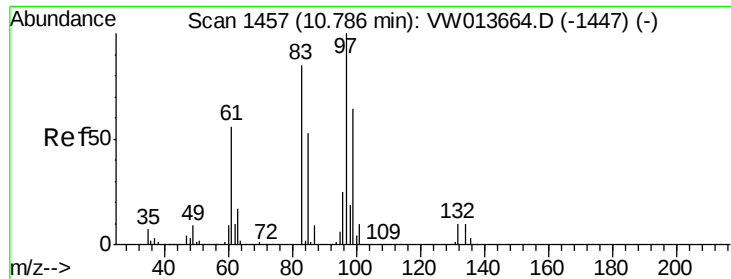
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 42.8 35.3 52.9





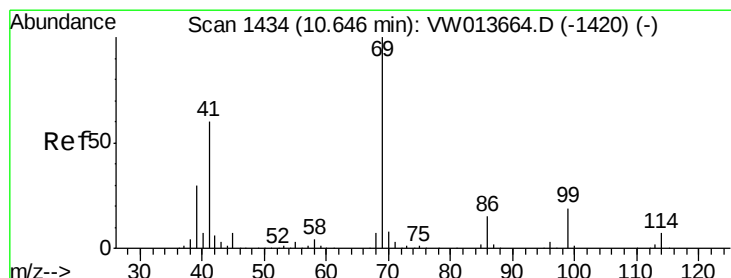
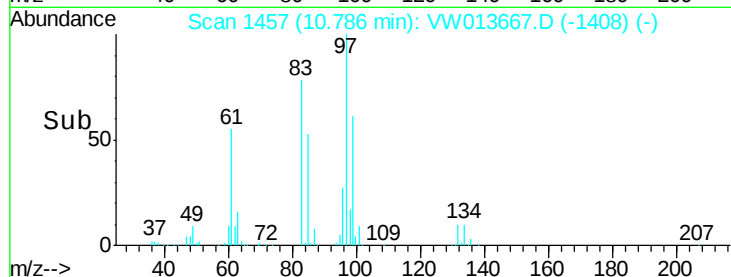
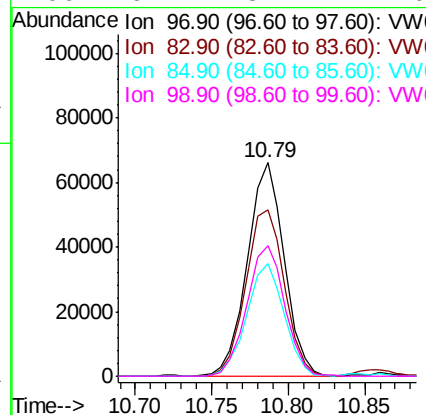
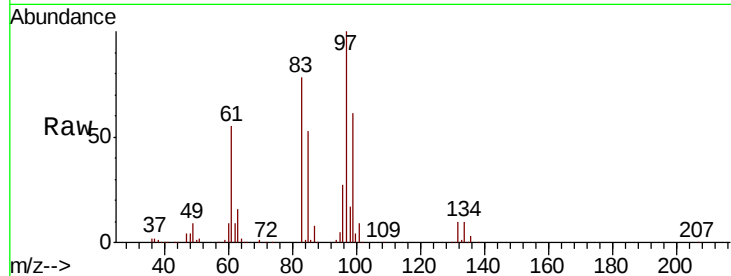
#55
 1,1,2-Trichloroethane
 Concen: 48.855 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		110655		
83	77.8	67.8	101.8		
85	52.7	42.1	63.1		
99	61.4	51.4	77.0		

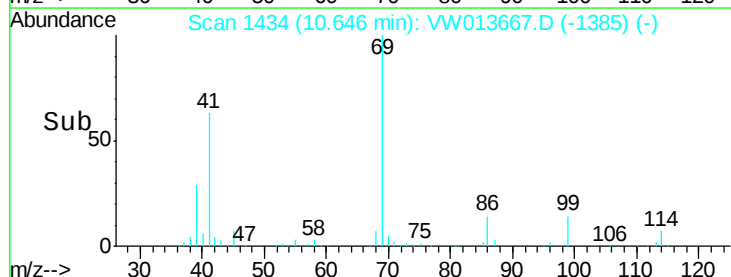
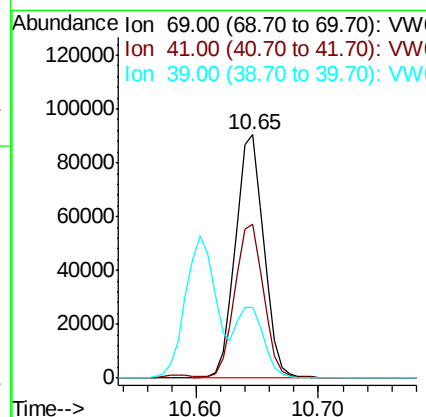
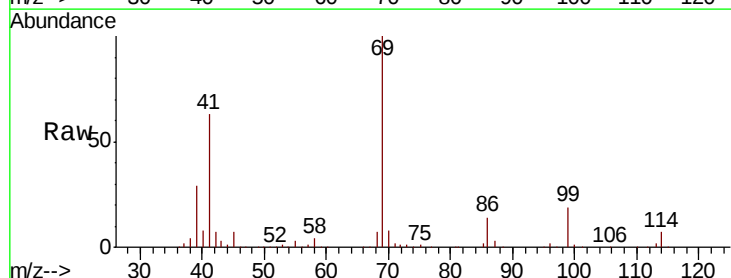
Manual Integrations
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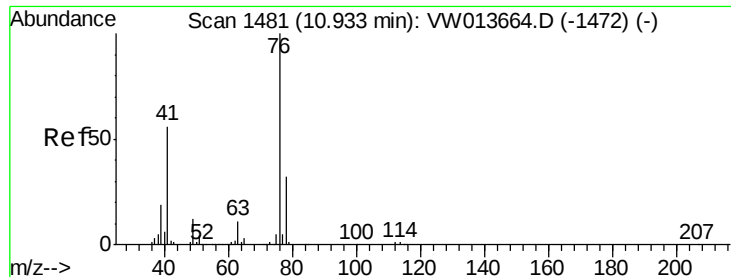
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 10/24/2019 1:27:03 PM



#56
 Ethyl methacrylate
 Concen: 51.046 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		144653		
41	64.0	51.6	77.4		
39	27.5	22.4	33.6		





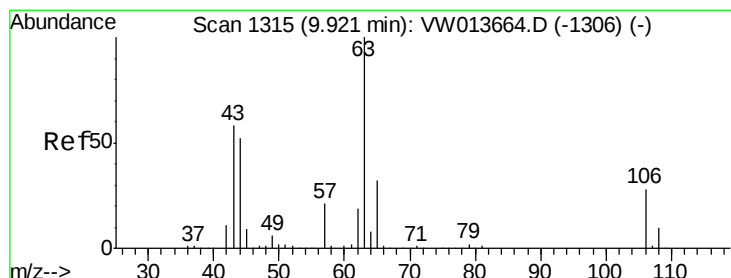
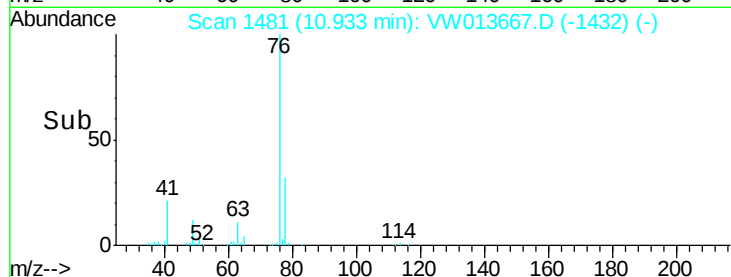
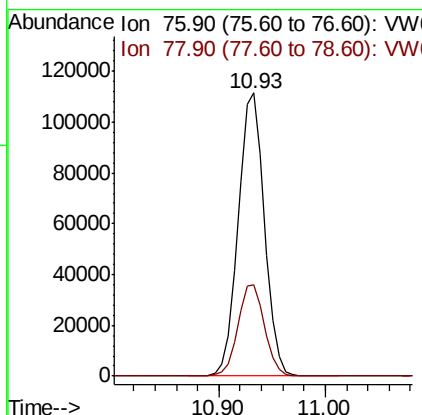
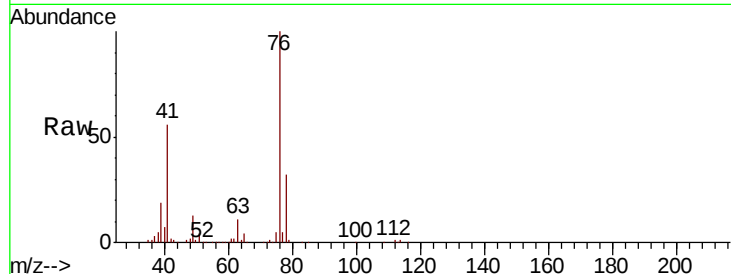
#57
 1,3-Dichloropropane
 Concen: 49.510 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

Tot Ion: 76 Resp: 192439
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

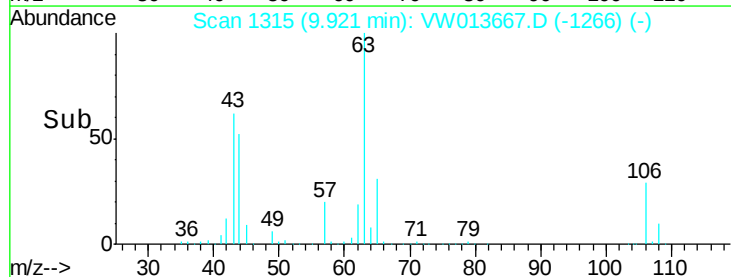
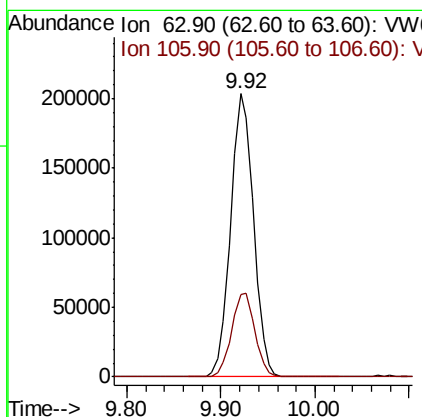
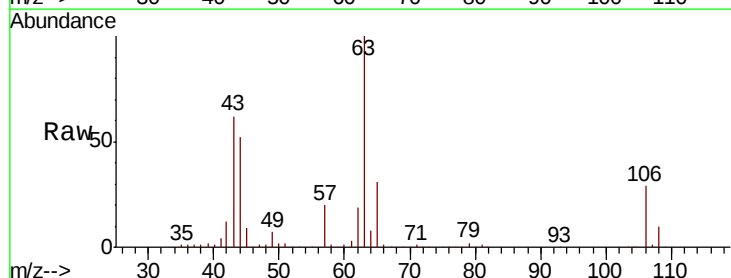
Manual Integrations
 APPROVED

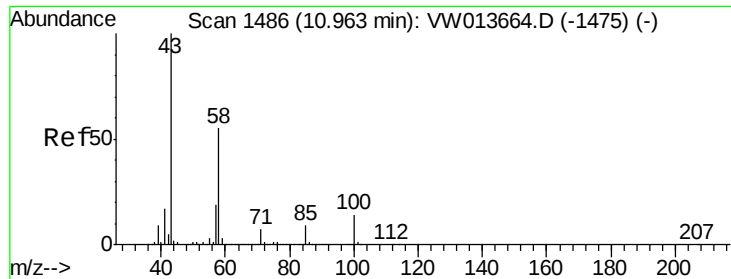
MMDadoda
 10/24/2019 1:27:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.514 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion: 63 Resp: 343676
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8





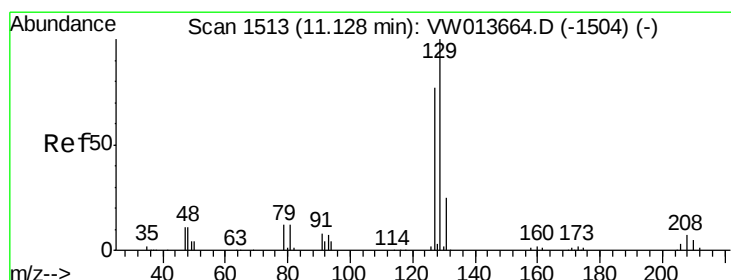
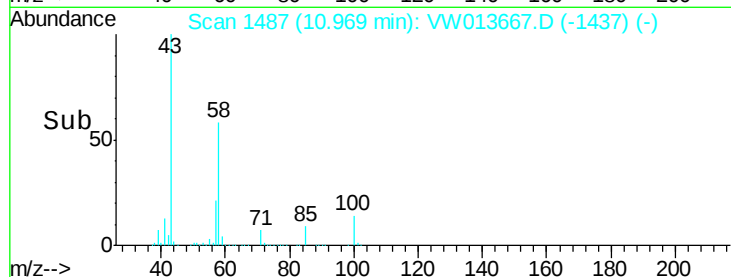
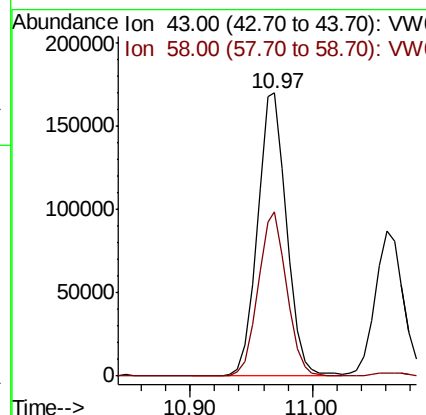
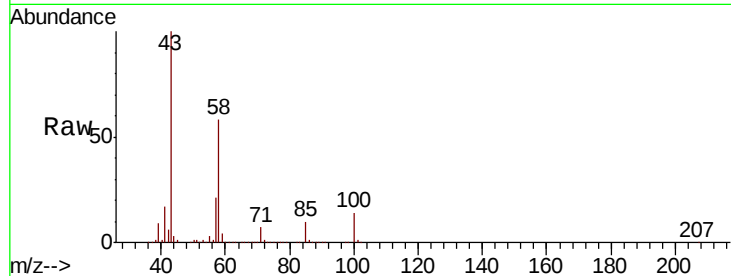
#59
2-Hexanone
Concen: 242.254 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.9	83.7

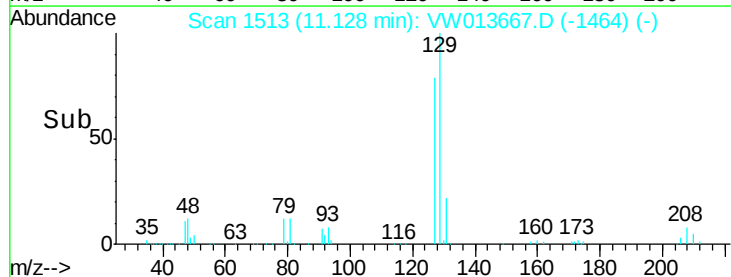
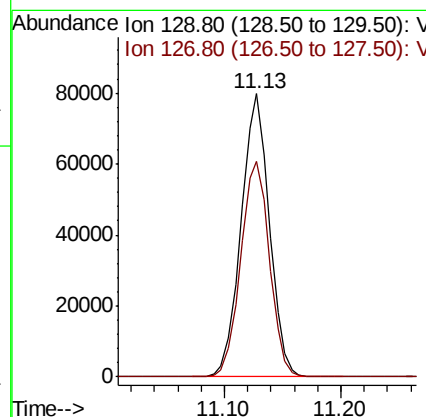
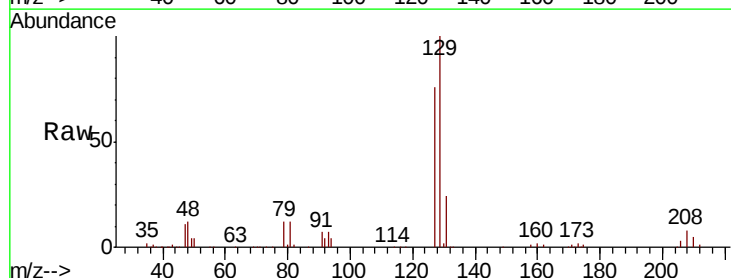
Manual Integrations
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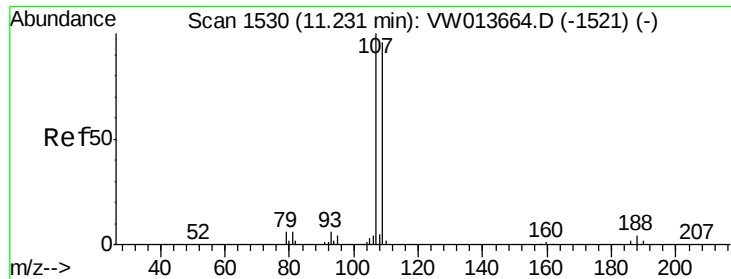
MMDadoda
10/24/2019 1:27:03 PM



#60
Dibromochloromethane
Concen: 50.125 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.9	116.7





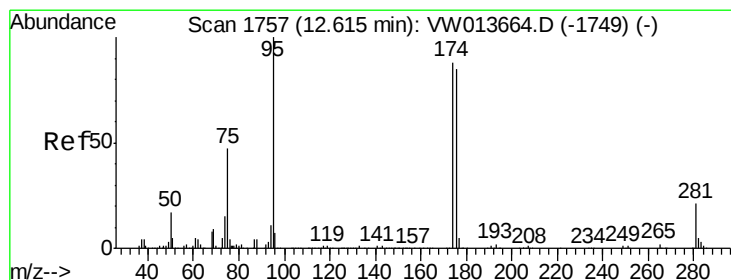
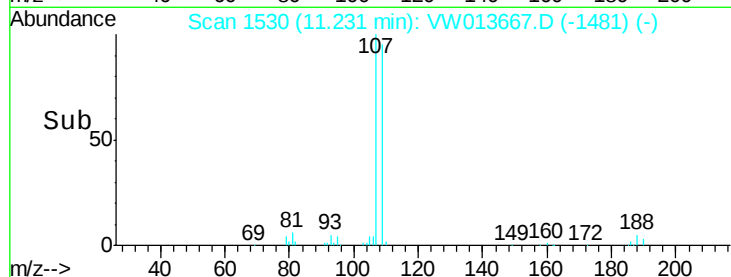
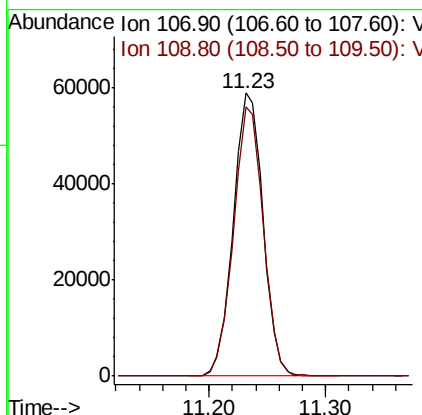
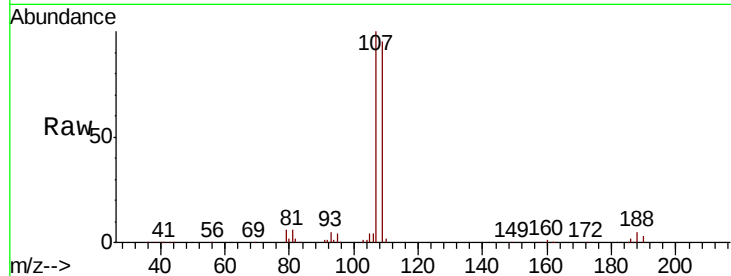
#61
 1,2-Dibromoethane
 Concen: 48.970 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.7	113.5

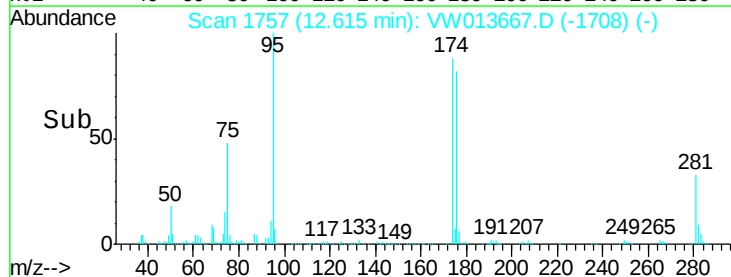
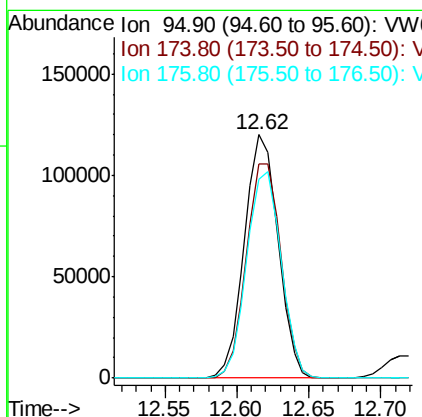
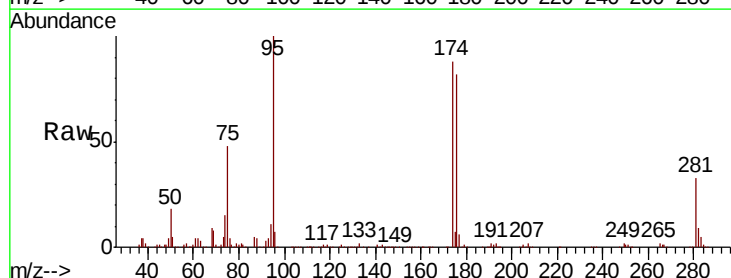
Manual Integrations
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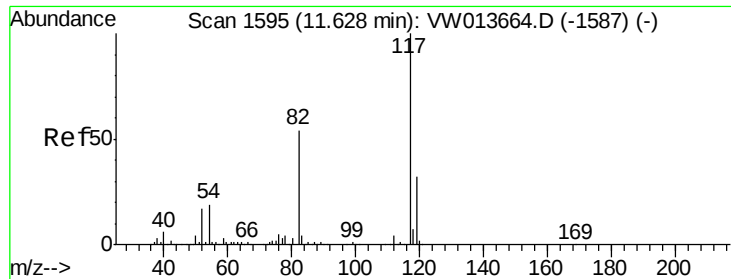
MMDadoda
 10/24/2019 1:27:03 PM



#62
 4-Bromofluorobenzene
 Concen: 50.969 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	183.6
176	86.8	0.0	178.0





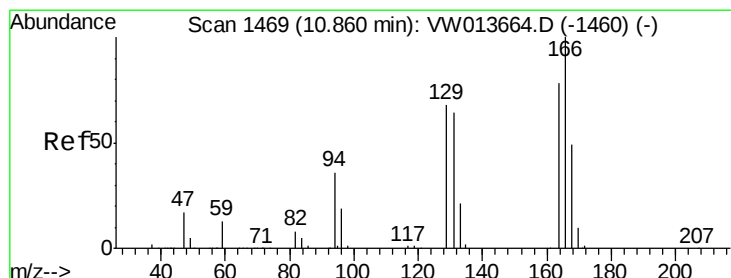
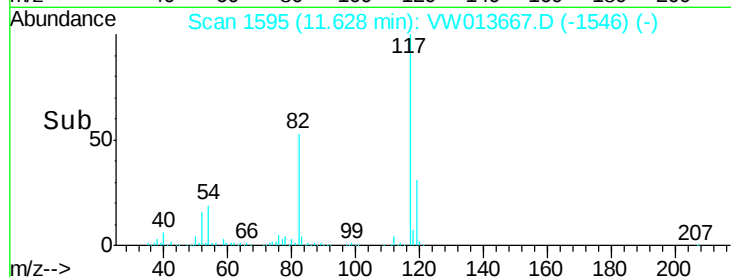
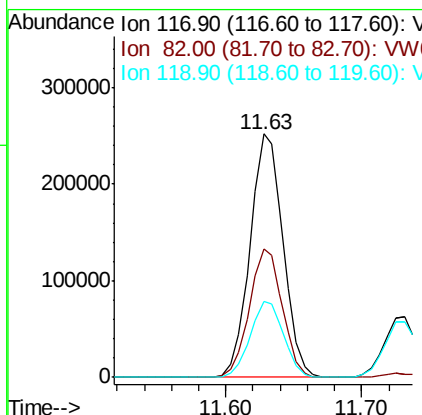
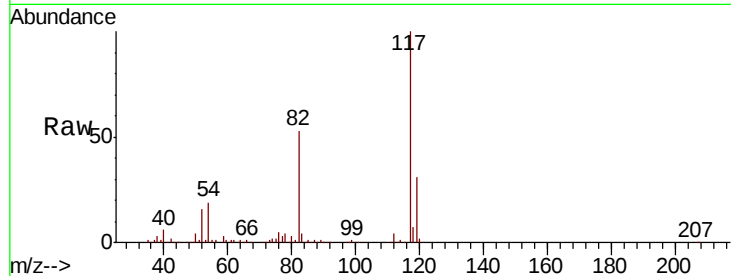
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428285		
82	52.7		43.6	65.4
119	31.3		25.4	38.2

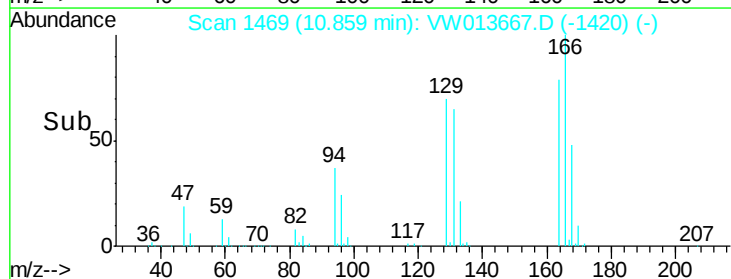
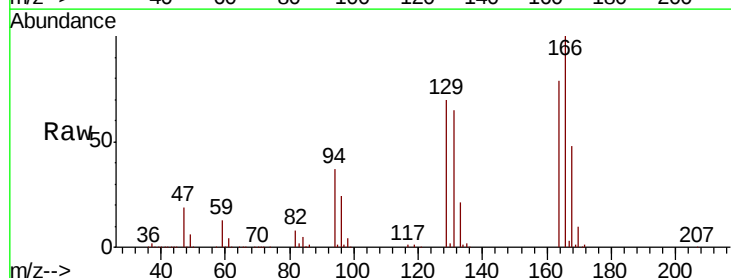
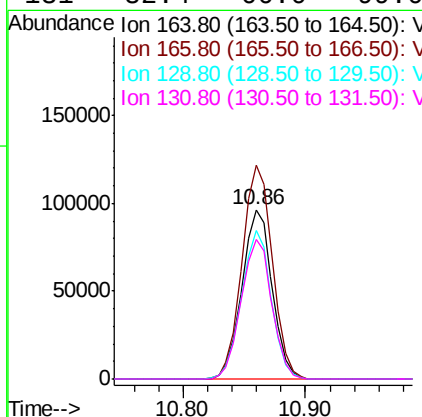
Manual Integrations
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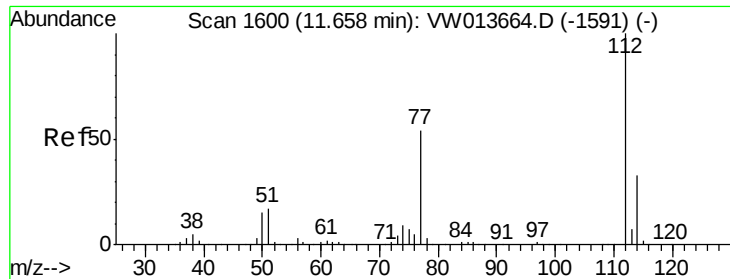
MMDadoda
10/24/2019 1:27:03 PM



#64
Tetrachloroethene
Concen: 50.409 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164950		
166	125.9		103.2	154.8
129	87.6		70.6	105.8
131	82.4		66.0	99.0





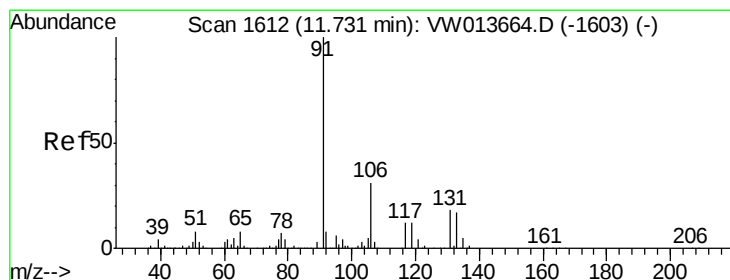
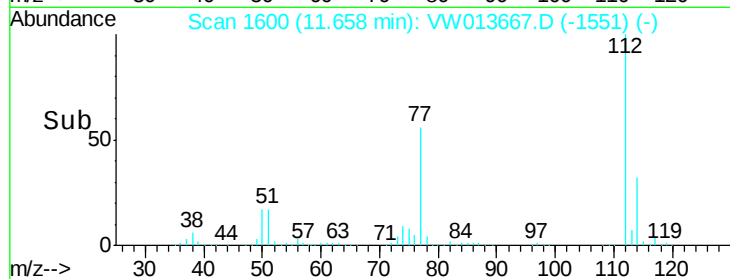
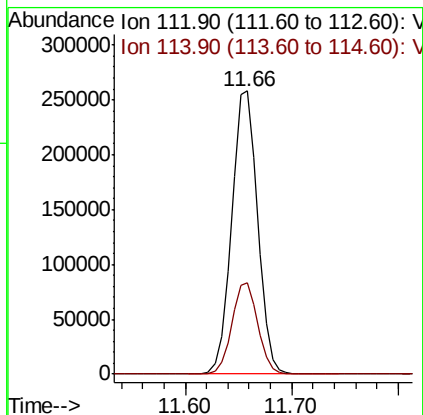
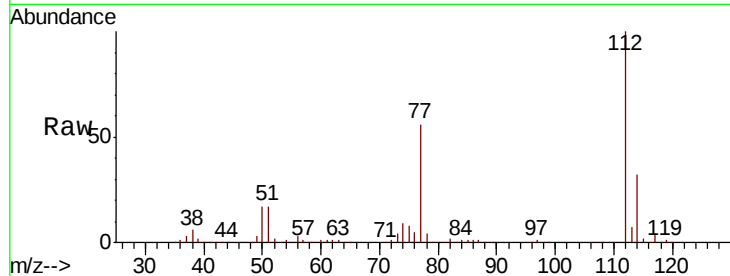
#65
Chlorobenzene
Concen: 50.177 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion:112 Resp: 441601
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

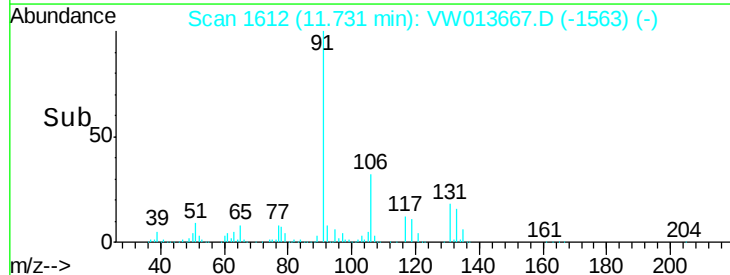
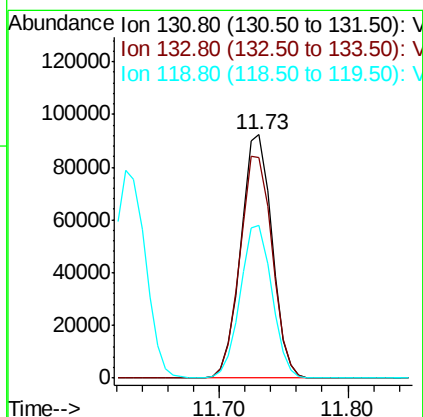
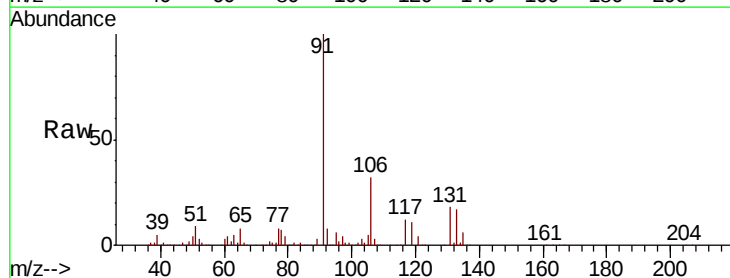
Manual Integrations
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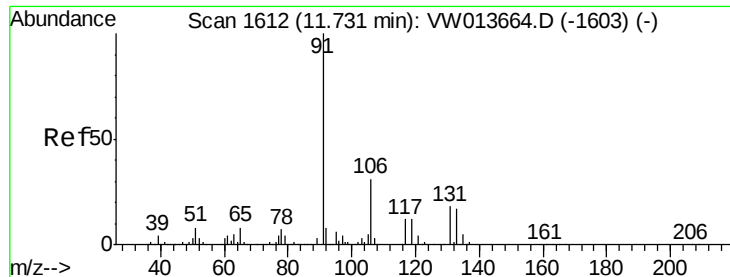
MMDadoda
10/24/2019 1:27:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.442 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion:131 Resp: 154934
Ion Ratio Lower Upper
131 100
133 94.4 47.4 142.3
119 63.6 33.1 99.2





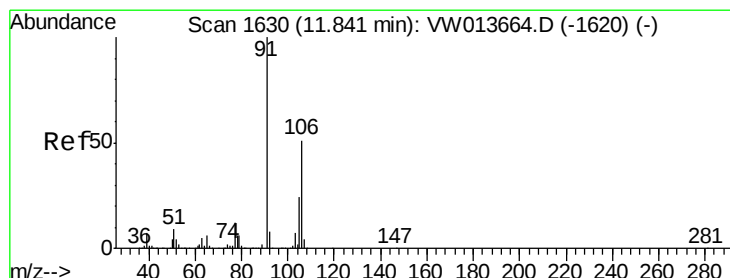
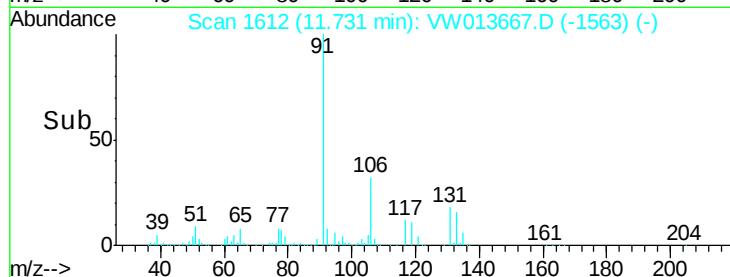
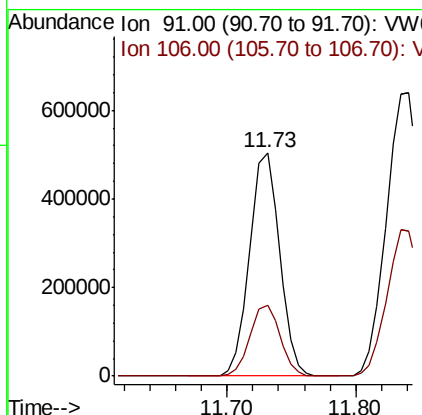
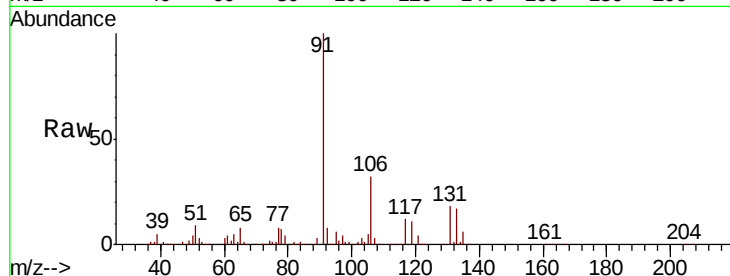
#67
Ethyl Benzene
Concen: 51.030 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion: 91 Resp: 809830
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

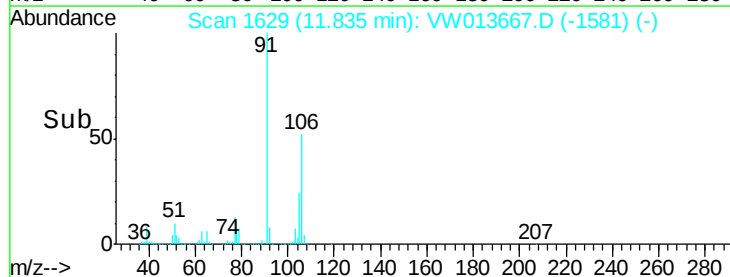
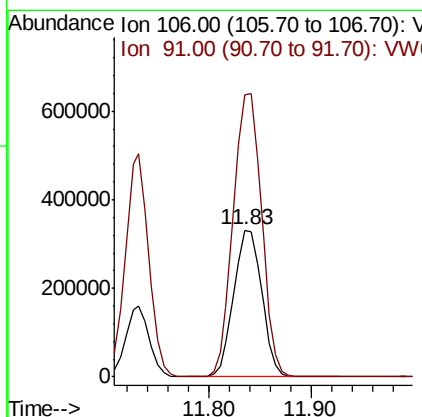
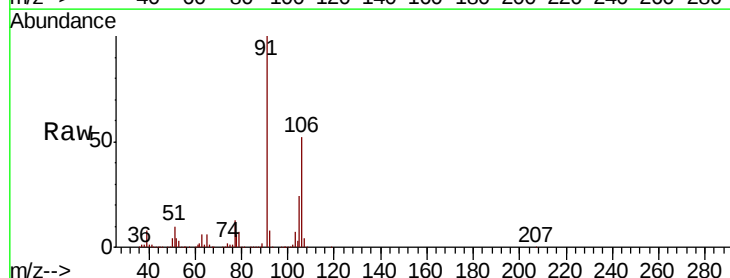
Manual Integrations
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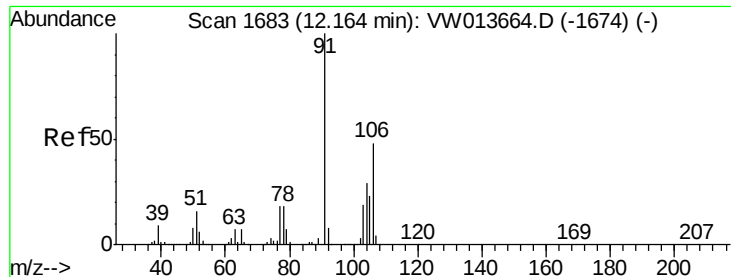
MMDadoda
10/24/2019 1:27:03 PM



#68
m/p-Xylenes
Concen: 102.652 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion: 106 Resp: 629386
Ion Ratio Lower Upper
106 100
91 195.8 159.2 238.8





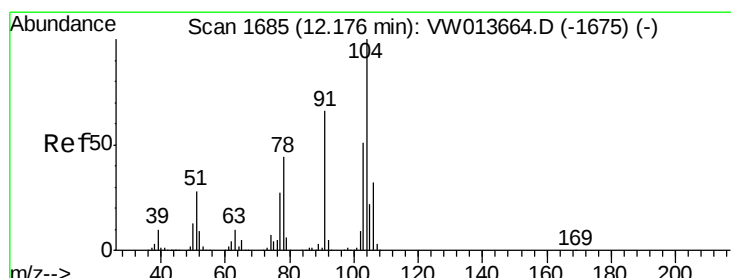
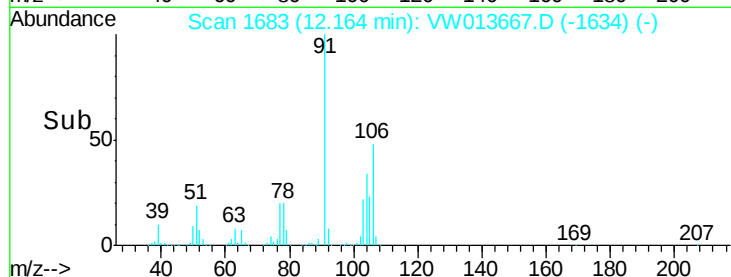
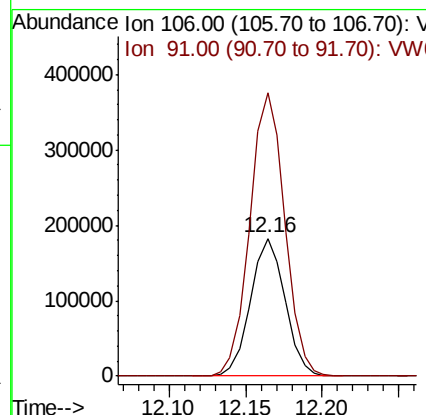
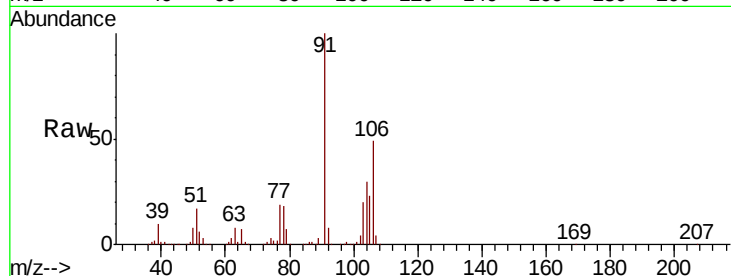
#69
o-Xylene
Concen: 50.896 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.8	104.9	314.7	

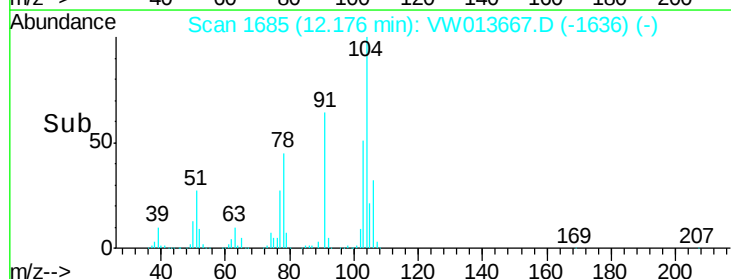
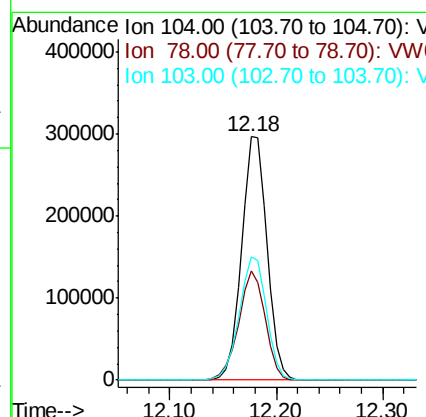
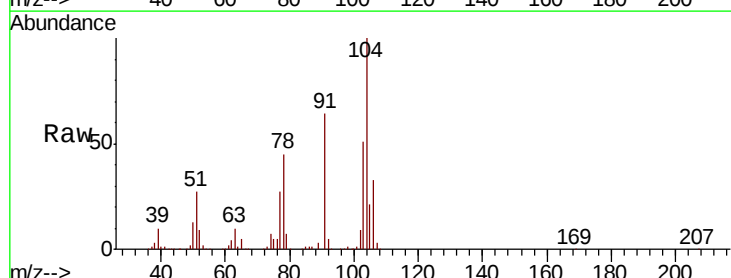
Manual Integrations
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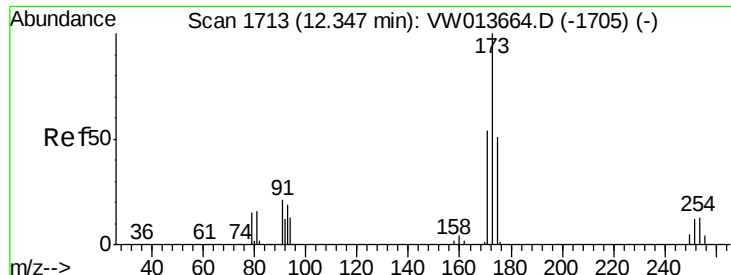
MMDadoda
10/24/2019 1:27:03 PM



#70
Styrene
Concen: 51.352 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.9	37.1	55.7	
103	54.5	43.6	65.4	





#71

Bromoform

Concen: 49.800 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion:173 Resp: 80271

Ion Ratio Lower Upper

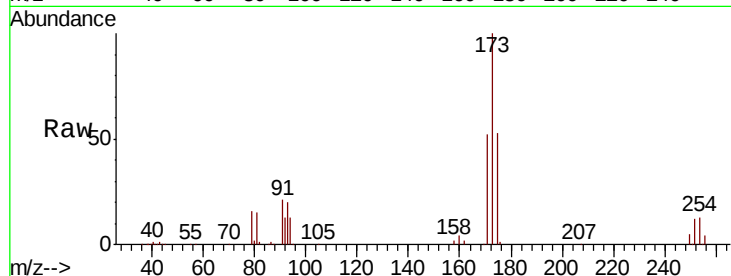
173 100

175 50.1 25.2 75.6

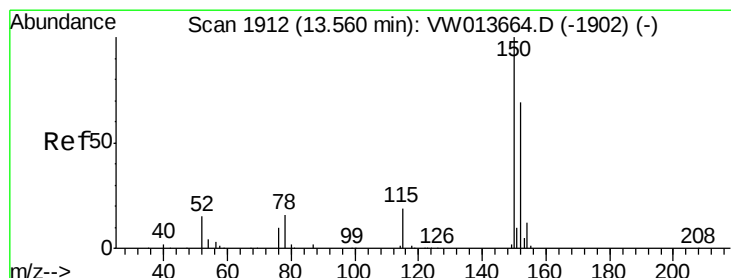
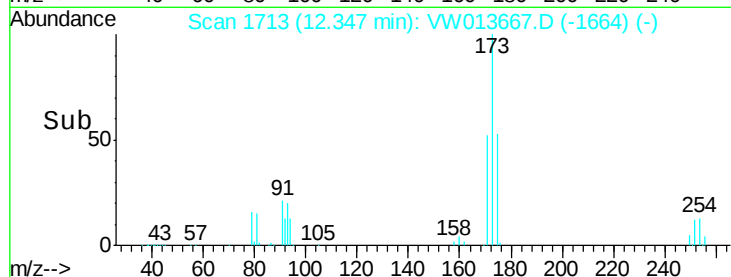
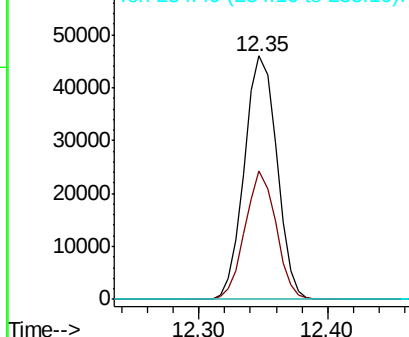
254 0.1 0.1 0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

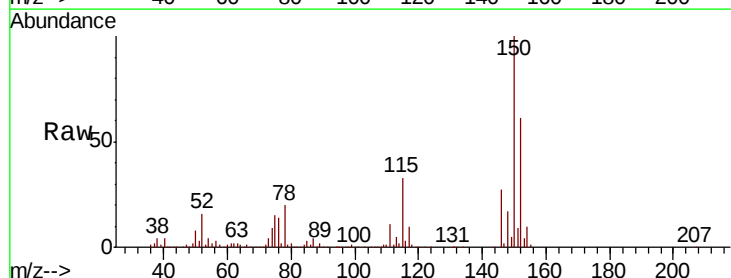
Tgt Ion:152 Resp: 214788

Ion Ratio Lower Upper

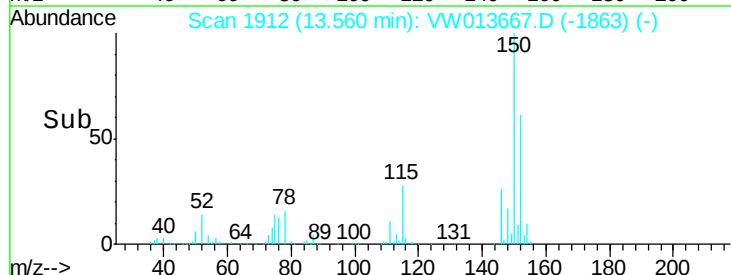
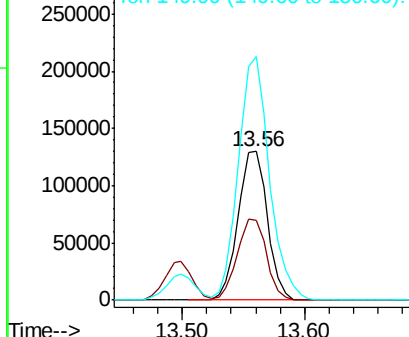
152 100

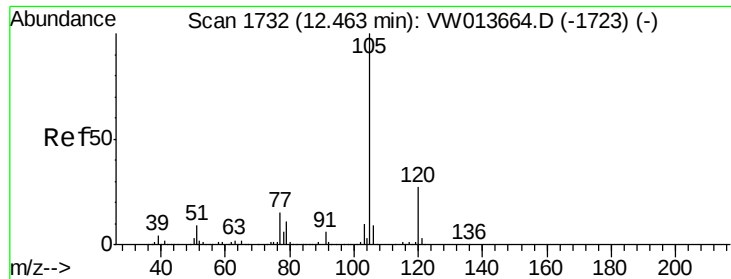
115 54.8 27.4 82.2

150 173.9 0.0 345.4



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





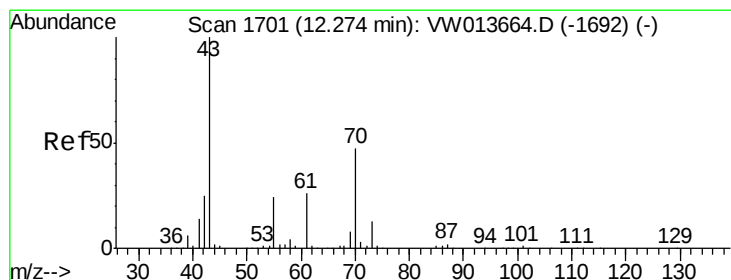
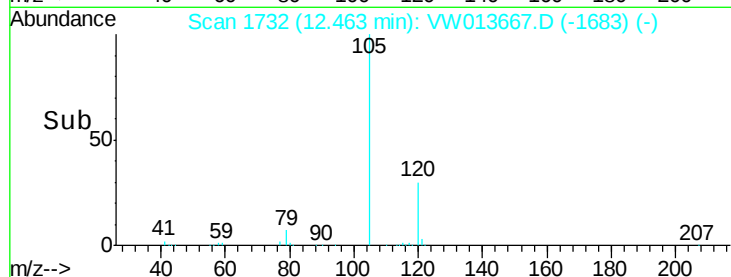
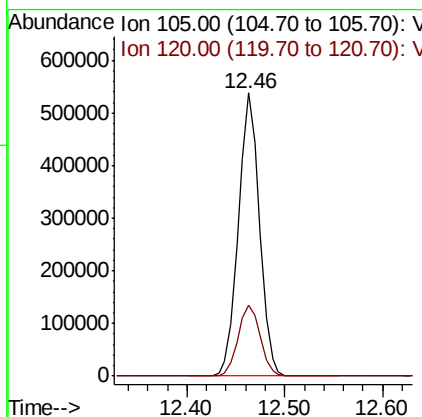
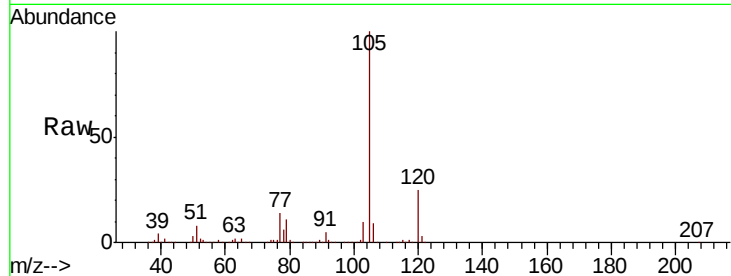
#73
Isopropylbenzene
Concen: 52.172 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.5	40.4

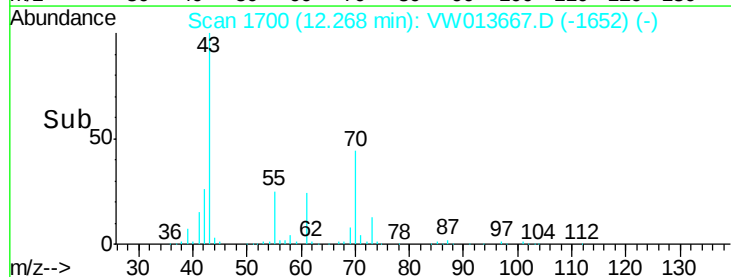
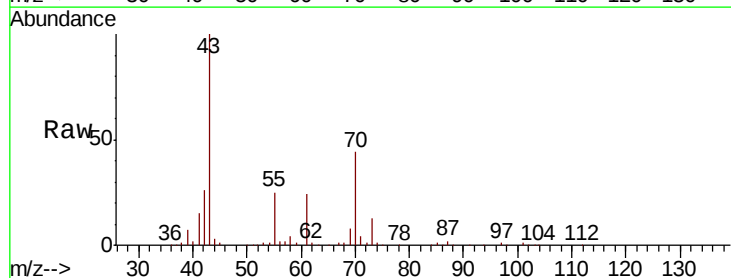
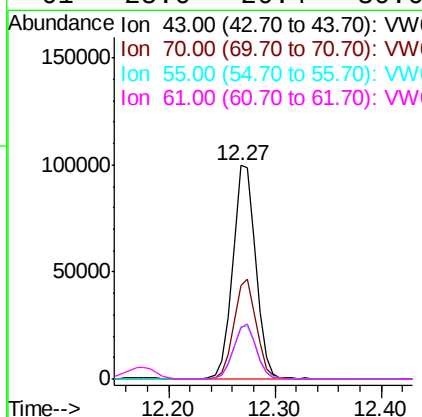
Manual Integrations
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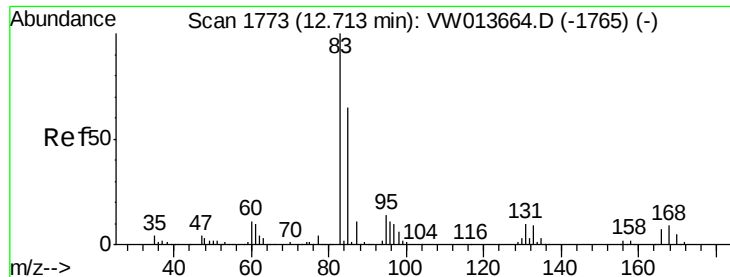
MMDadoda
10/24/2019 1:27:03 PM



#74
N-ethyl acetate
Concen: 50.888 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	36.6	55.0
55	25.6	20.3	30.5
61	25.6	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.711 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

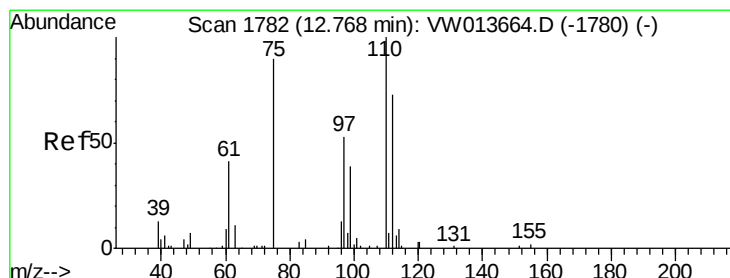
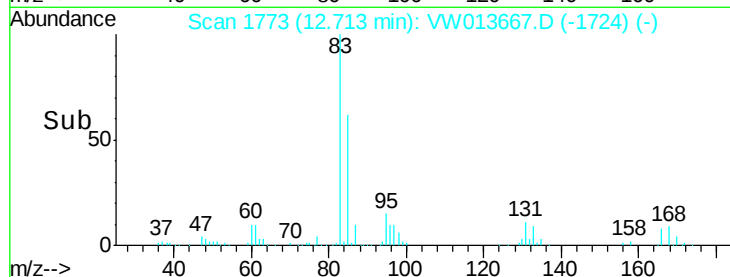
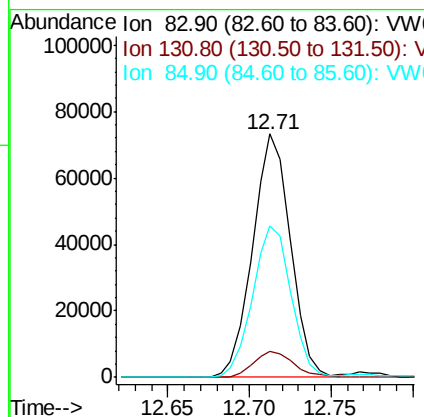
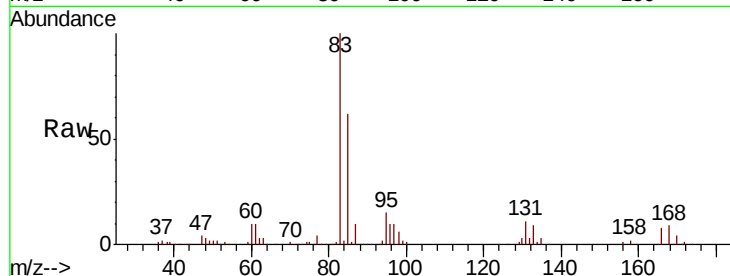
ClientSampleId :

ICVW0102319

Tot Ion:	83	Resp:	118565
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	63.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.858 ug/l m

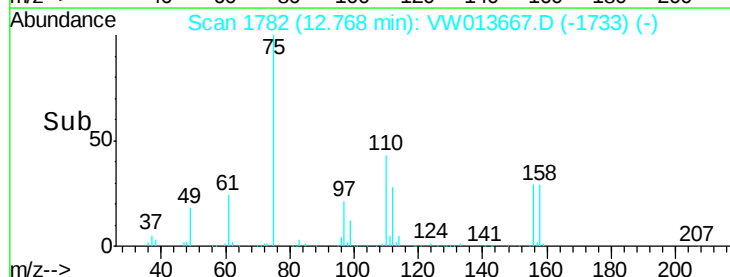
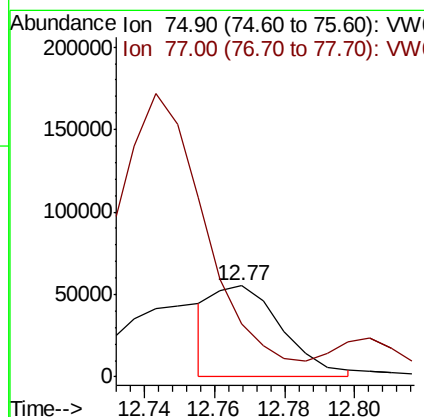
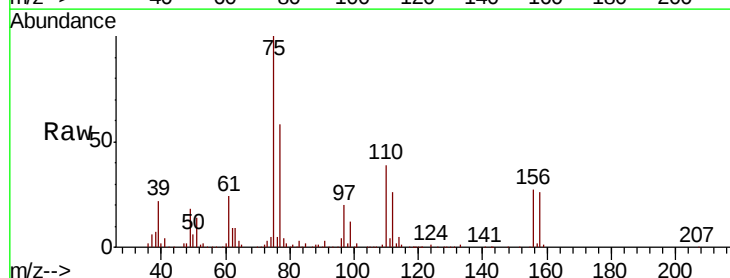
RT: 12.77 min Scan# 1782

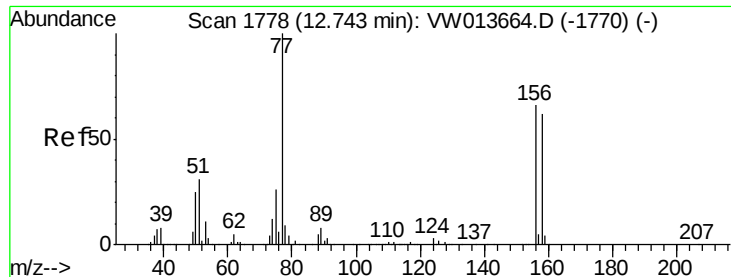
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:	75	Resp:	75363
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.484 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion:156 Resp: 186019

Ion Ratio Lower Upper

156 100

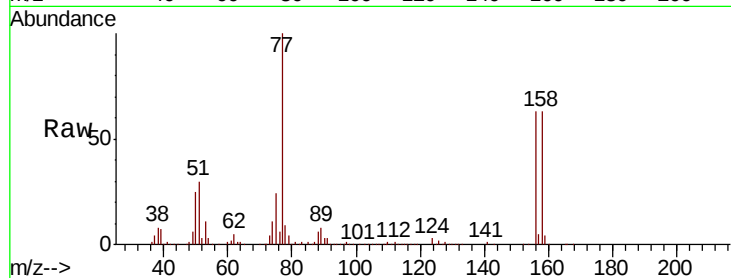
77 166.8 82.9 248.7

158 97.5 48.4 145.2

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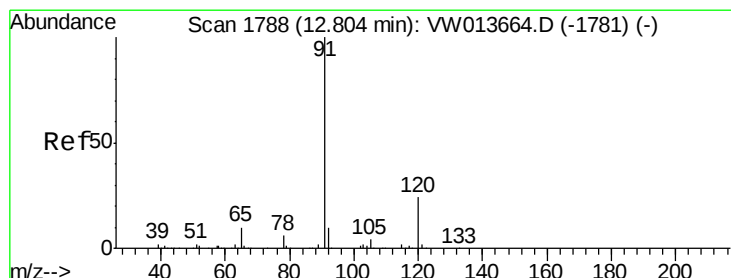
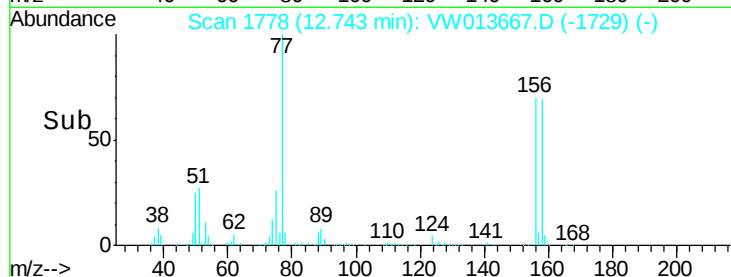
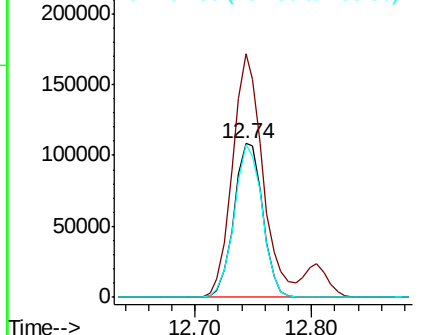
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.630 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013667.D

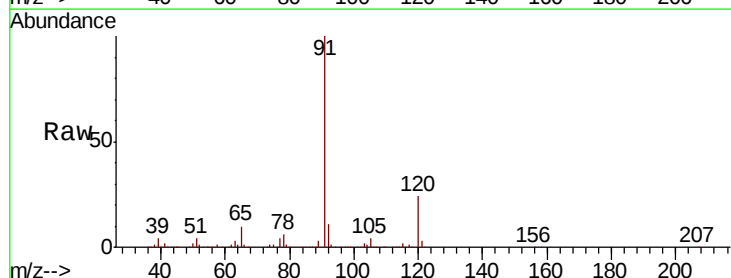
Acq: 23 Oct 2019 14:18

Tgt Ion: 91 Resp: 939608

Ion Ratio Lower Upper

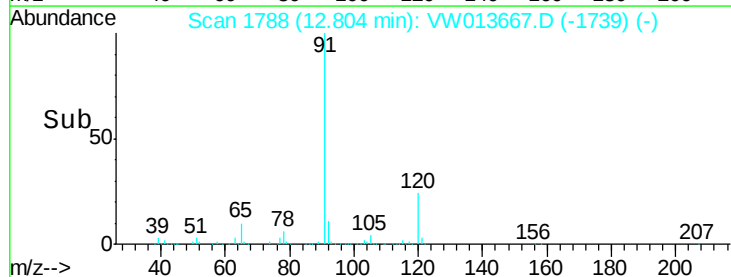
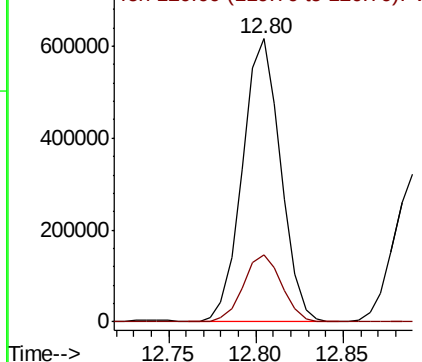
91 100

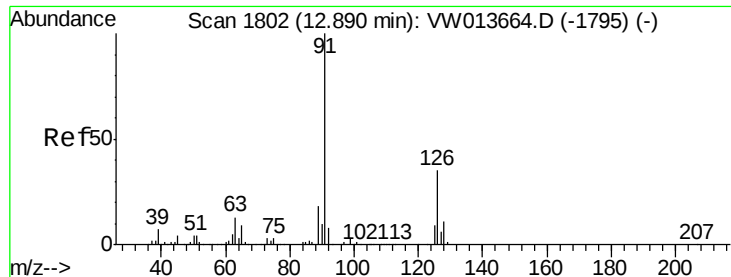
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.715 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion: 91 Resp: 518850

Ion Ratio Lower Upper

91 100

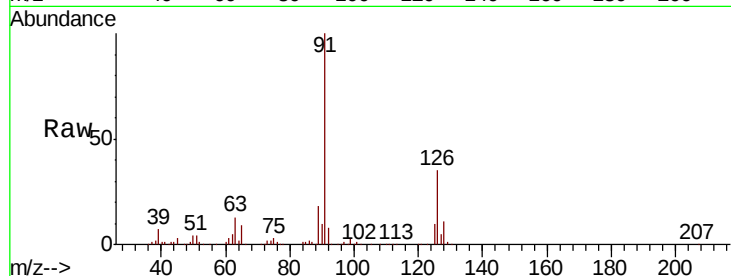
126 35.0 17.4 52.2

Manual Integrations

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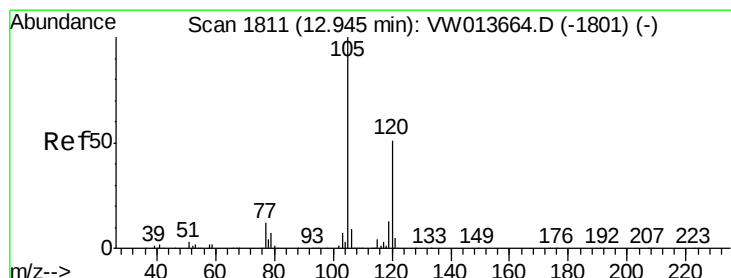
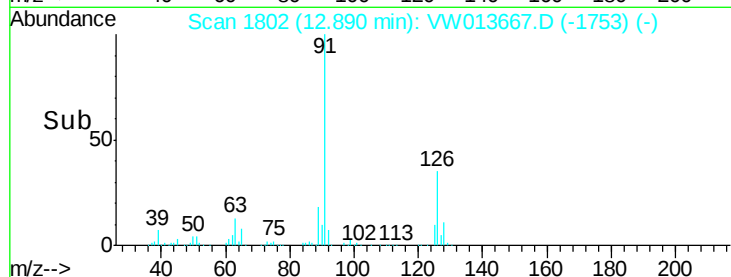
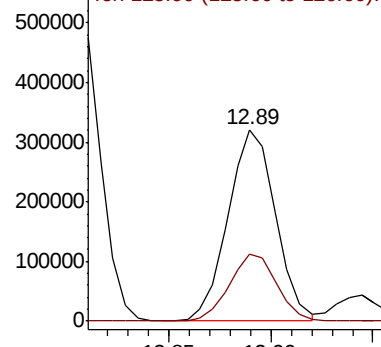
MMDadoda

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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: 51.954 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013667.D

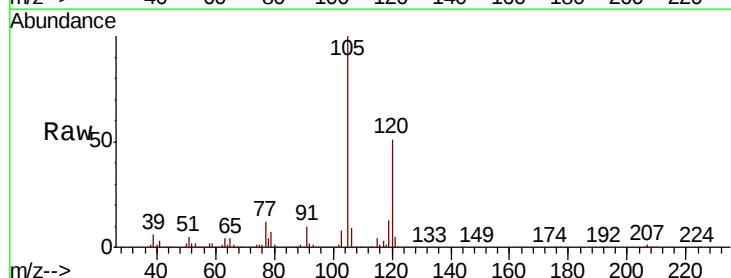
Acq: 23 Oct 2019 14:18

Tgt Ion:105 Resp: 676488

Ion Ratio Lower Upper

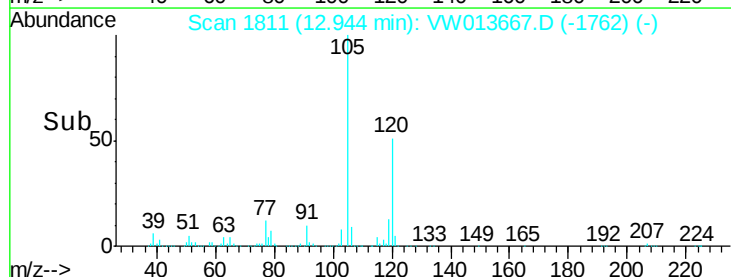
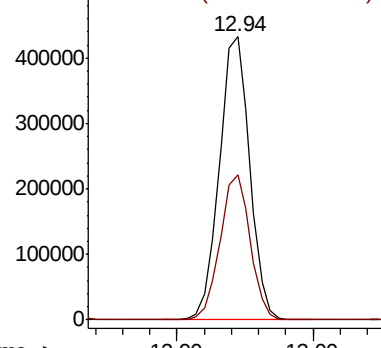
105 100

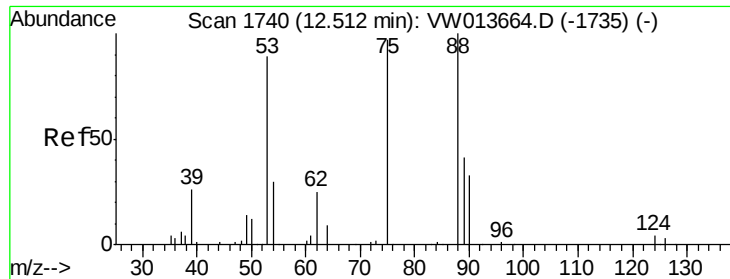
120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





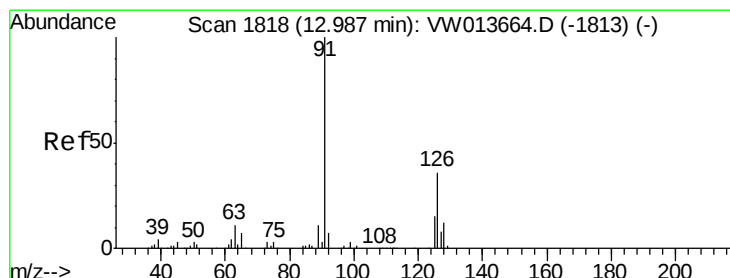
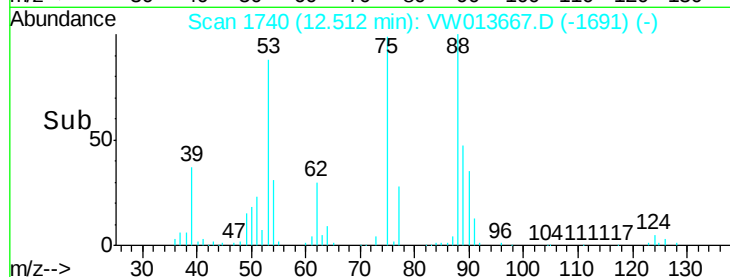
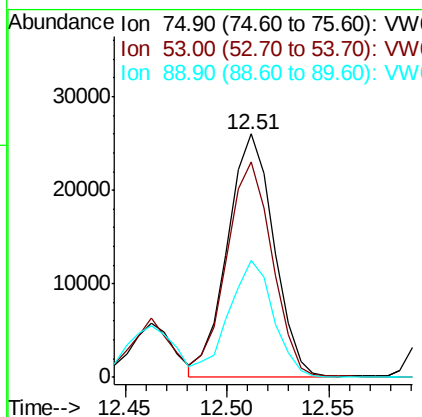
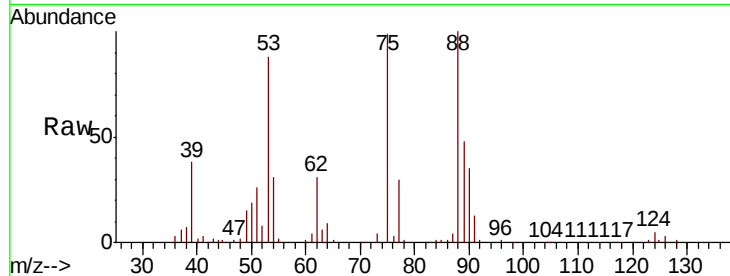
#81
trans-1,4-Dichloro-2-butene
Concen: 49.823 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	71.7	107.5
89	47.2	35.8	53.8

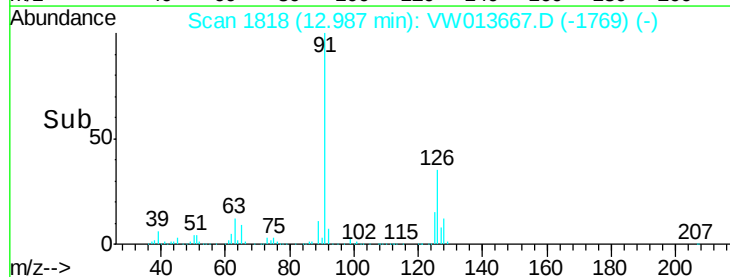
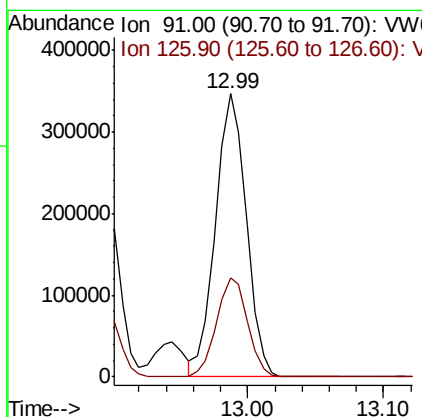
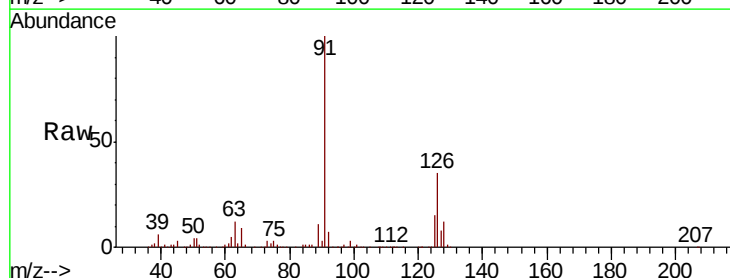
Manual Integrations
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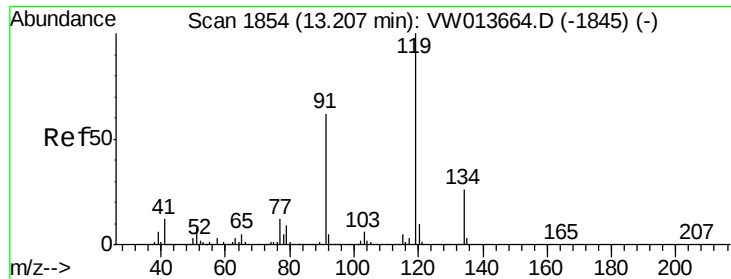
MMDadoda
10/24/2019 1:27:03 PM



#82
4-Chlorotoluene
Concen: 51.650 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.2	51.5





#83

tert-Butylbenzene

Concen: 52.047 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

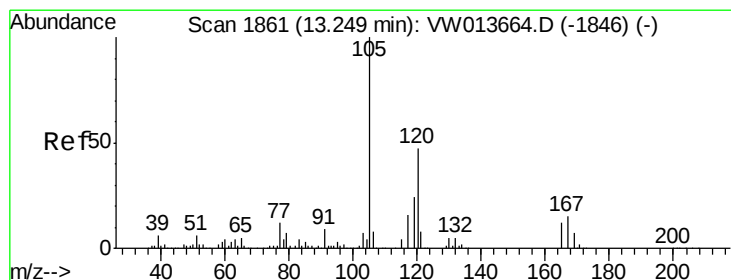
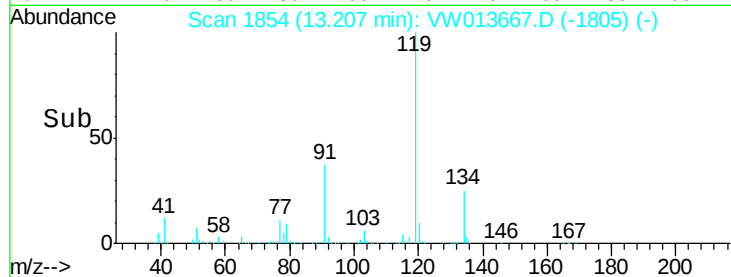
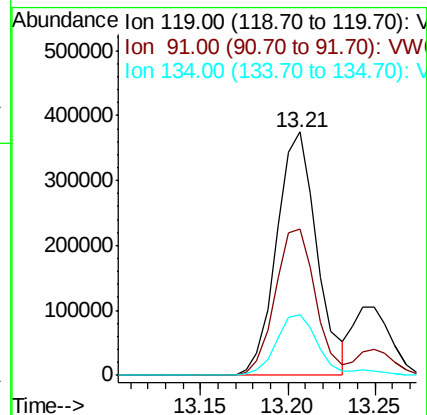
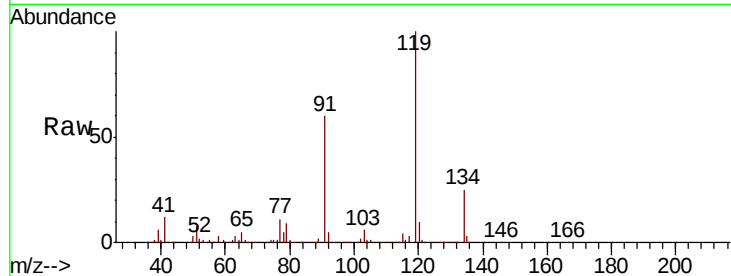
ClientSampleId :

ICVW102319

Tot Ion:	119	Resp:	601551
Ion Ratio	Lower	Upper	
119	100		
91	60.3	30.4	91.3
134	26.9	13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.135 ug/l

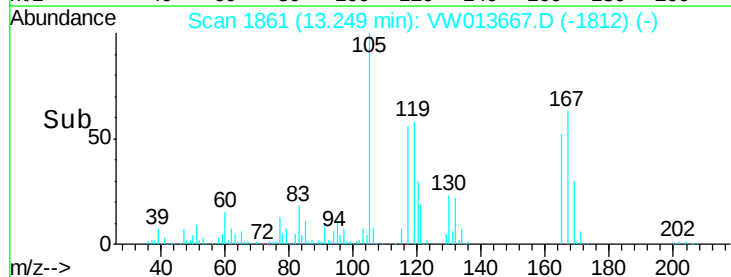
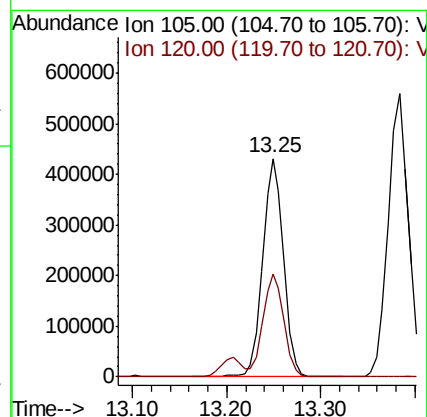
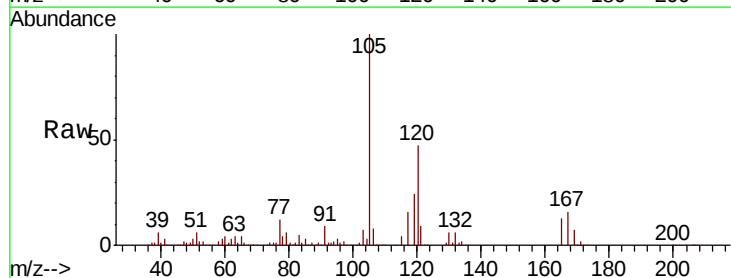
RT: 13.25 min Scan# 1861

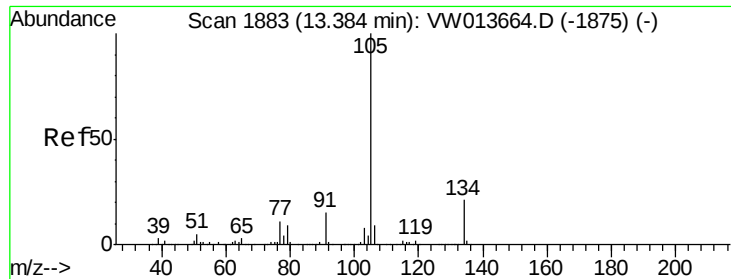
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion:	105	Resp:	669643
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.5	70.5





#85

sec-Butylbenzene

Concen: 52.734 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

ICVW102319

Tot Ion:105 Resp: 833462

Ion Ratio Lower Upper

105 100

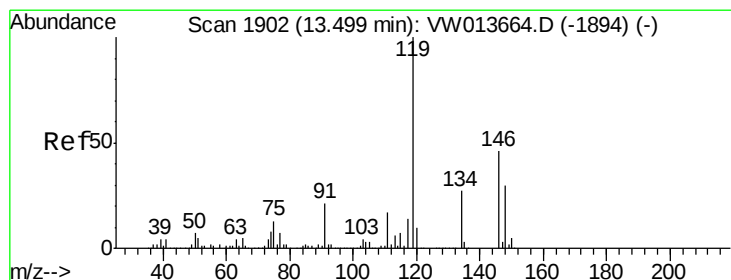
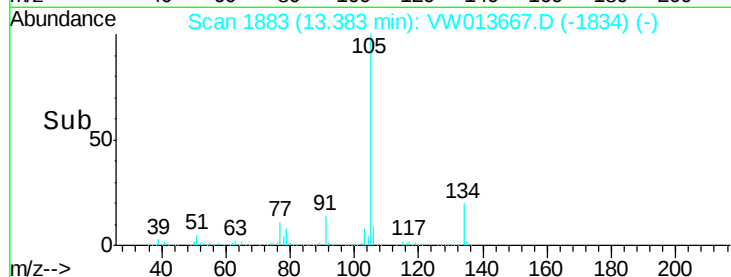
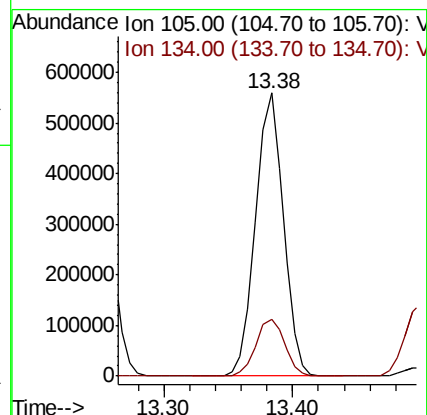
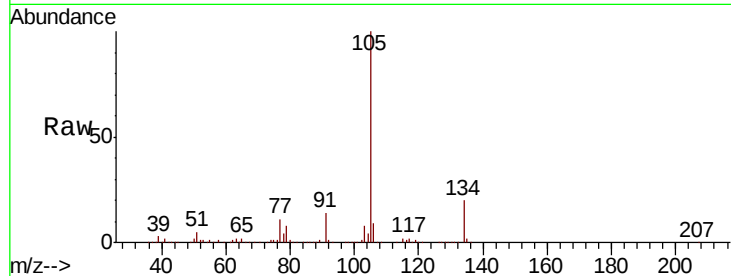
134 20.8 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.927 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

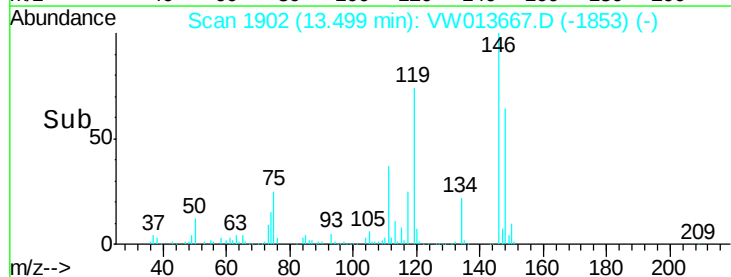
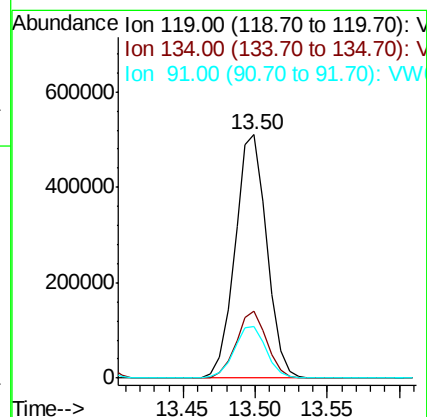
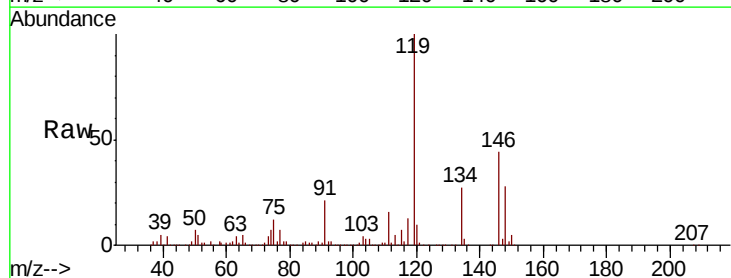
Tgt Ion:119 Resp: 779217

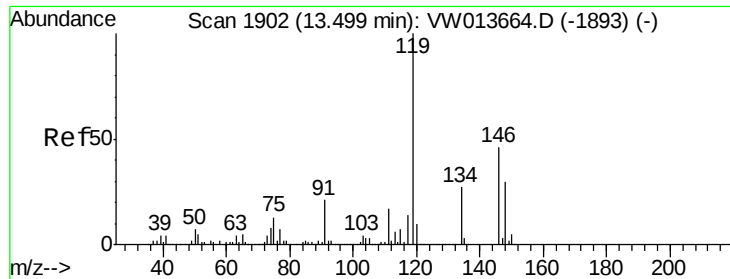
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.2 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 50.795 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

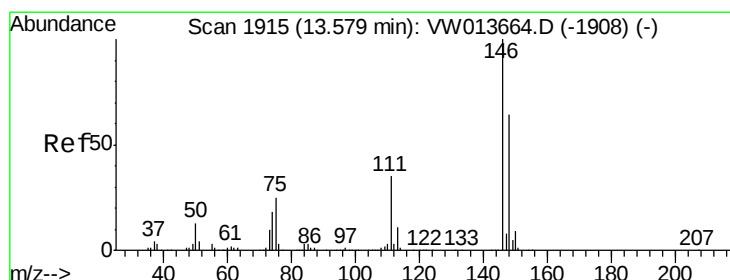
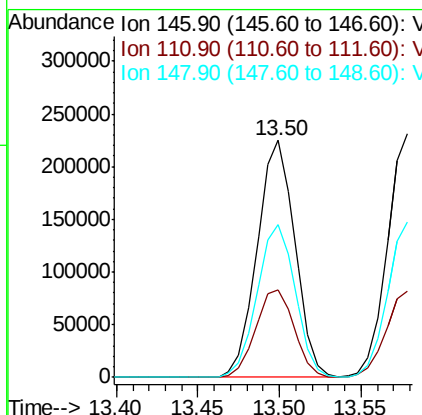
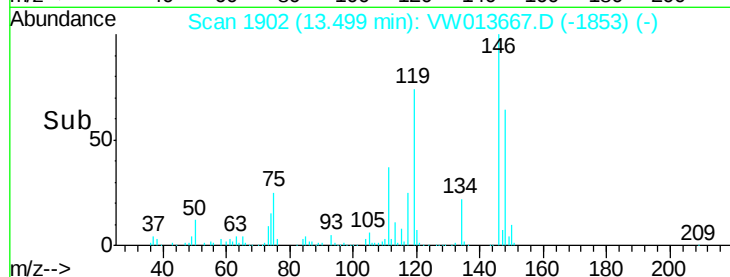
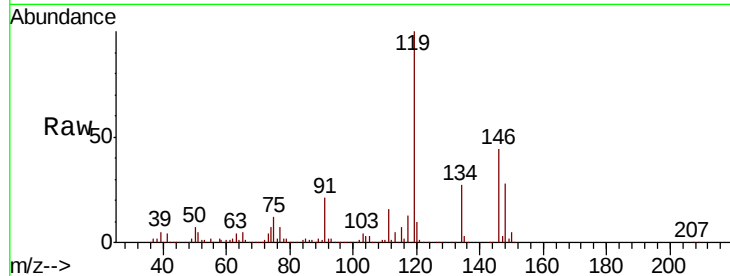
Instrument :
MSVOA_W

ClientSampleId :
ICVW102319

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	64.8	31.7	95.1

Manual Integrations
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10/24/2019 1:27:03 PM



#88

1,4-Dichlorobenzene

Concen: 50.805 ug/l

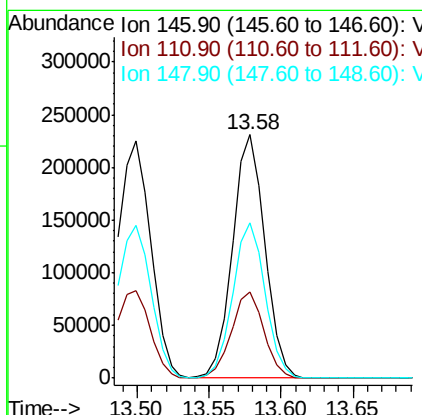
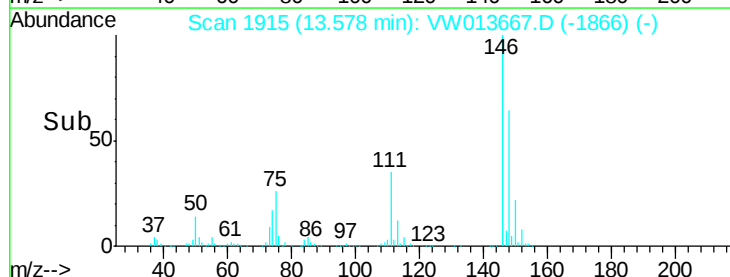
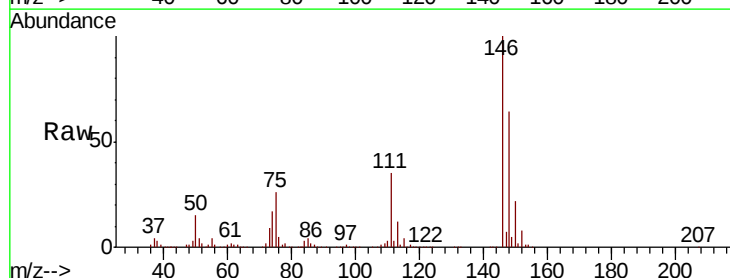
RT: 13.58 min Scan# 1915

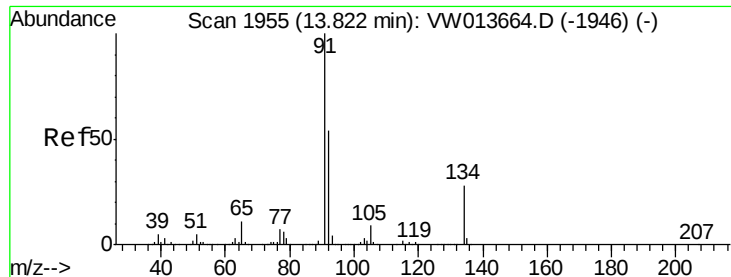
Delta R.T. -0.00 min

Lab File: VW013667.D

Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.3
148	64.1	32.0	96.2





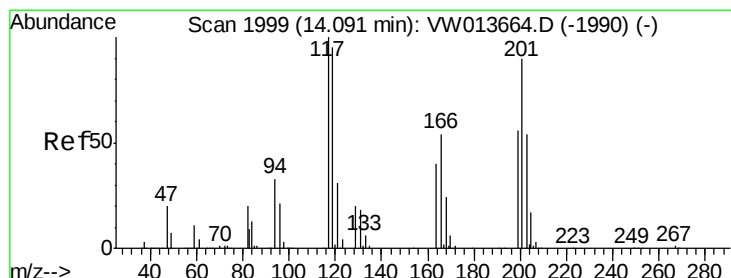
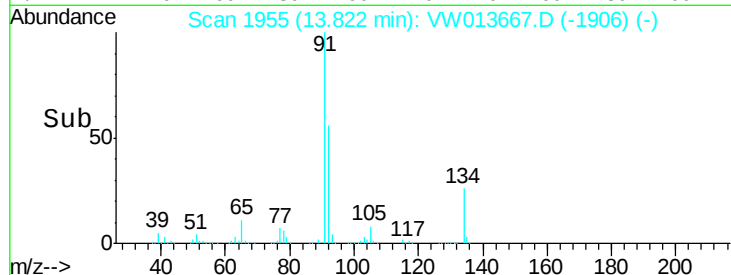
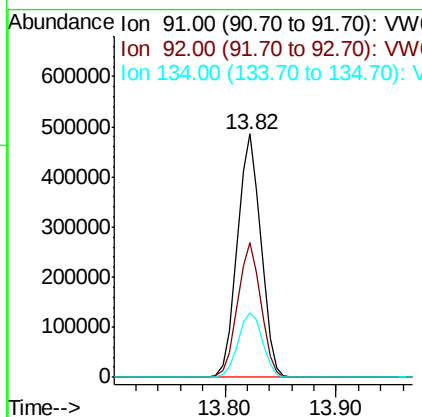
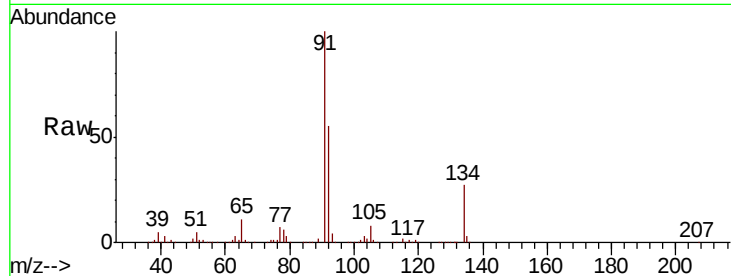
#89
n-Butylbenzene
Concen: 53.464 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		710487		
92	54.6	27.5	82.4		
134	27.6	14.0	41.9		

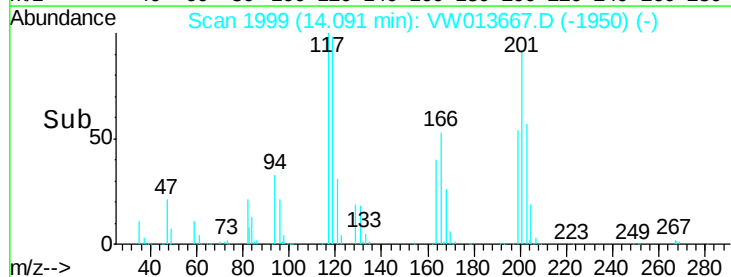
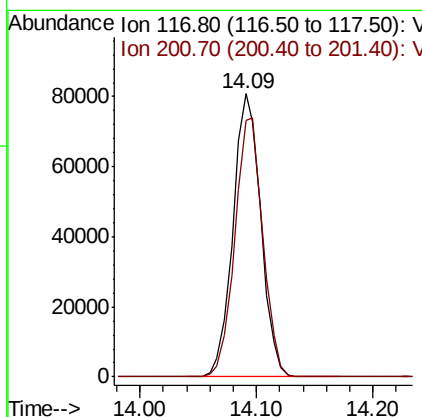
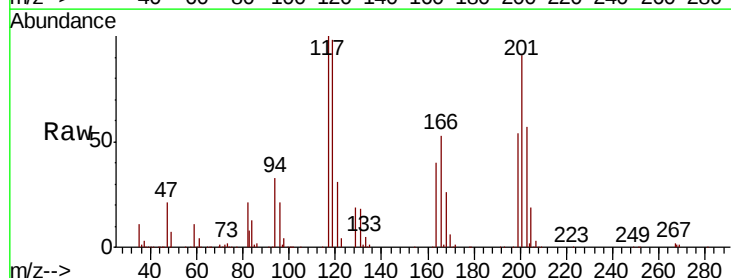
Manual Integrations
APPROVED

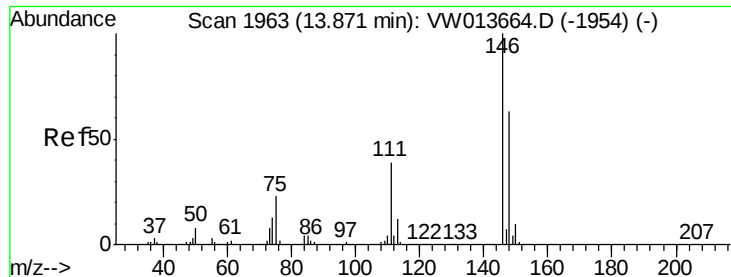
MMDadoda
10/24/2019 1:27:03 PM



#90
Hexachloroethane
Concen: 52.398 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		134088		
201	92.2	46.1	138.2		





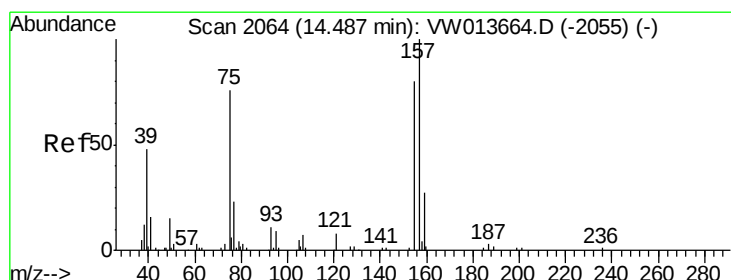
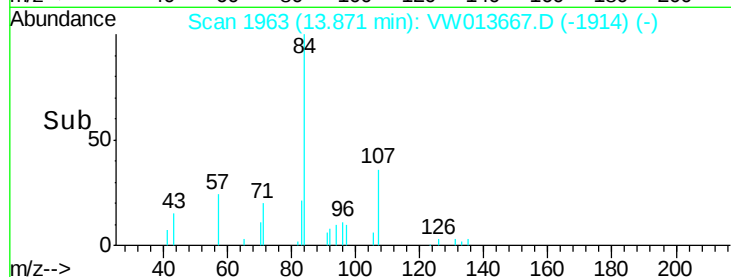
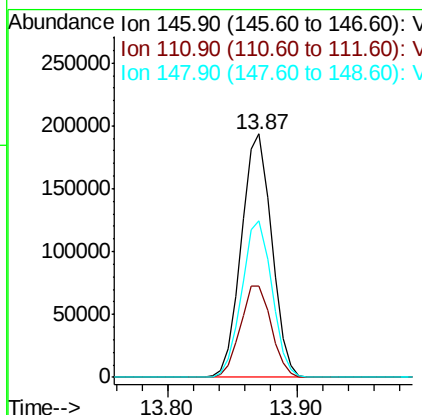
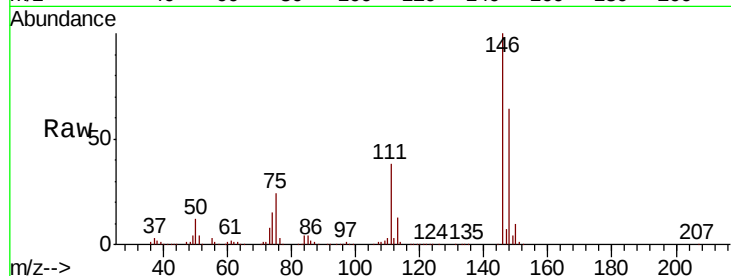
#91
 1,2-Dichlorobenzene
 Concen: 50.909 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.9	59.6
148	64.1	31.9	95.9

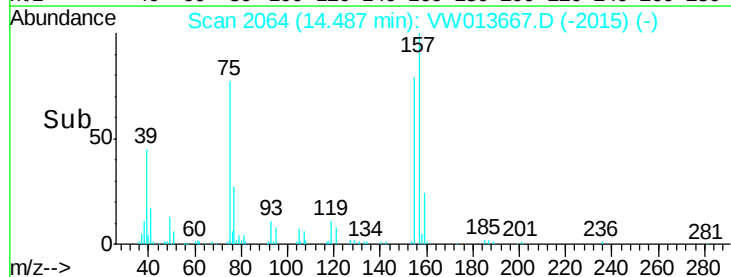
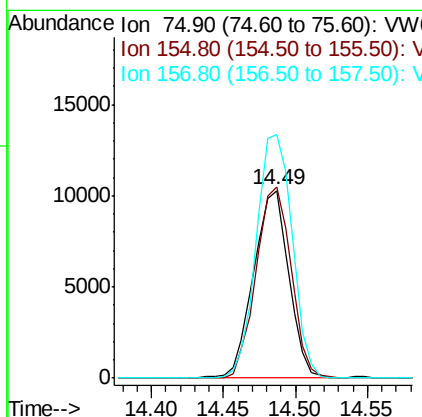
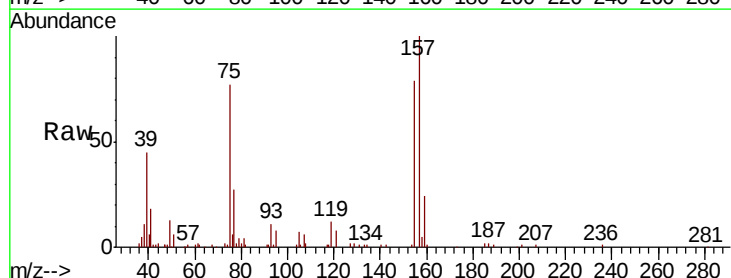
Manual Integrations
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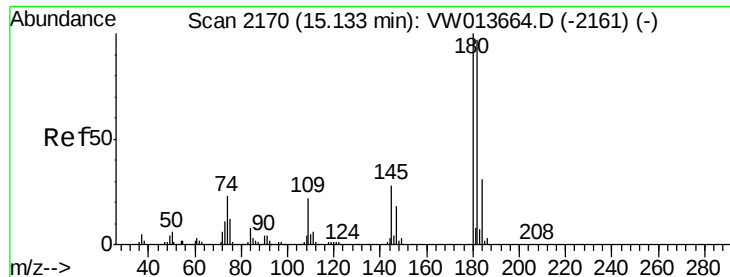
MMDadoda
 10/24/2019 1:27:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.388 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	51.9	155.7
157	131.8	64.8	194.3





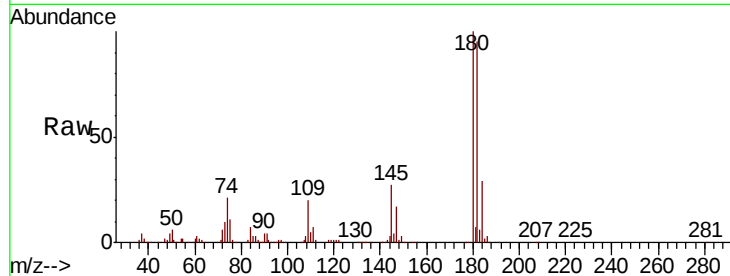
#93
 1,2,4-Trichlorobenzene
 Concen: 53.172 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102319

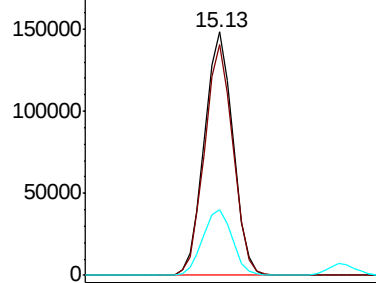
Tot Ion	Ratio	Resp	Lower	Upper
180	100	239540		
182	93.8	47.4	142.2	
145	27.8	14.1	42.3	

Manual Integrations
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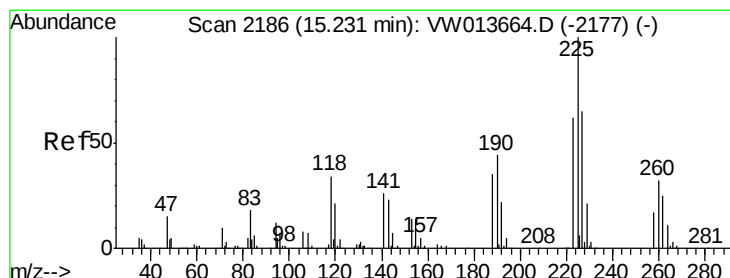
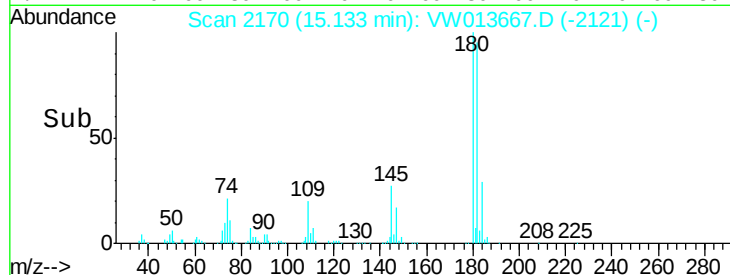
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

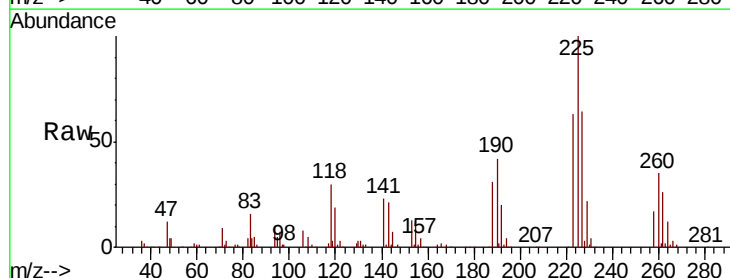


Time-->

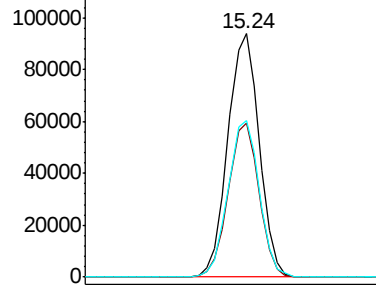


#94
 Hexachlorobutadiene
 Concen: 51.799 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013667.D
 Acq: 23 Oct 2019 14:18

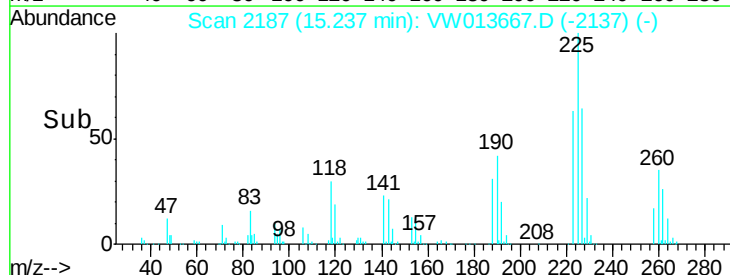
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	157535		
223	62.2	31.9	95.9	
227	64.0	32.5	97.4	

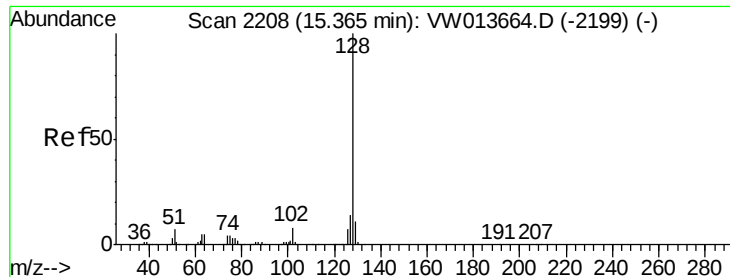


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





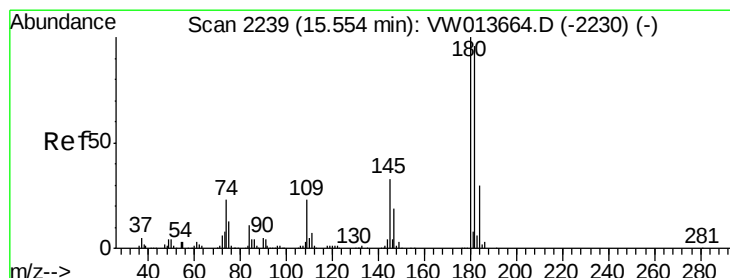
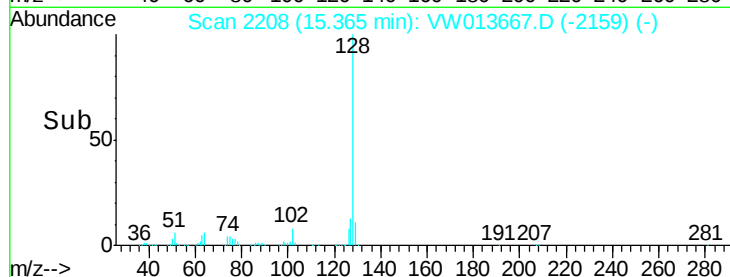
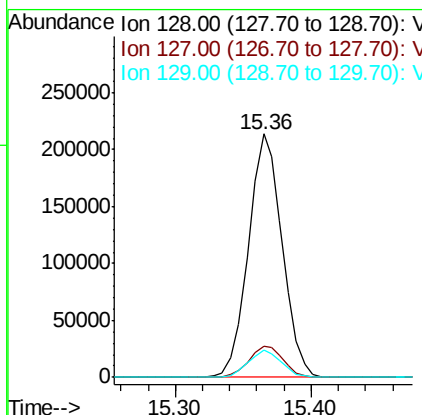
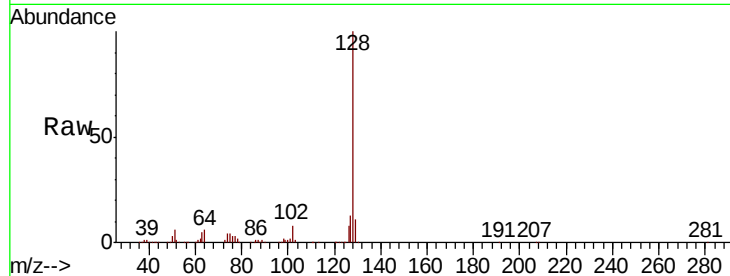
#95
Naphthalene
Concen: 52.360 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Instrument :
MSVOA_W
ClientSampleId :
ICVW102319

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

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#96
1,2,3-Trichlorobenzene
Concen: 51.417 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013667.D
Acq: 23 Oct 2019 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	30.0	14.9	44.9

