

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012101.D
 Acq On : 22 Aug 2019 11:06
 Operator : SY/VA
 Sample : VW0822SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 10:54:58 AM

Quant Time: Aug 23 08:12:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136130	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.88	113	110937	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	444999	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	158998	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	27855	21.208	ug/l 93
3) Chloromethane	2.21	50	46188	20.280	ug/l 99
4) Vinyl Chloride	2.36	62	57031	20.799	ug/l 99
5) Bromomethane	2.76	94	29128	19.192	ug/l 96
6) Chloroethane	2.92	64	32570	20.795	ug/l 98
7) Trichlorofluoromethane	3.25	101	27976	22.830	ug/l 99
8) Diethyl Ether	3.68	74	27691	19.930	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50020	21.518	ug/l 99
10) Methyl Iodide	4.27	142	66067	20.111	ug/l 99
11) Tert butyl alcohol	5.17	59	18548	80.805	ug/l 97
12) 1,1-Dichloroethene	4.04	96	49870	20.318	ug/l 99
13) Acrolein	3.90	56	10417	53.647	ug/l 99
14) Allyl chloride	4.67	41	105094	20.132	ug/l 99
15) Acrylonitrile	5.36	53	69999	100.925	ug/l 98
16) Acetone	4.12	43	67277	78.154	ug/l 100
17) Carbon Disulfide	4.38	76	137428	17.890	ug/l 98
18) Methyl Acetate	4.67	43	40519	20.953	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	82714	21.237	ug/l 95
20) Methylene Chloride	4.91	84	59233	19.952	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	54152	20.464	ug/l 97
22) Diisopropyl ether	6.31	45	207656	21.099	ug/l 98
23) Vinyl Acetate	6.25	43	615035	99.449	ug/l 100
24) 1,1-Dichloroethane	6.21	63	111232	21.102	ug/l 100
25) 2-Butanone	7.17	43	99576	88.401	ug/l 99
26) 2,2-Dichloropropane	7.16	77	59942	18.491	ug/l 96
27) cis-1,2-Dichloroethene	7.17	96	59081	20.287	ug/l 99
28) Bromochloromethane	7.51	49	50204	21.458	ug/l 100
29) Tetrahydrofuran	7.53	42	64729	100.531	ug/l 98
30) Chloroform	7.67	83	101181	20.806	ug/l 100
31) Cyclohexane	7.95	56	101650	20.089	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	80066	21.619	ug/l 99
36) 1,1-Dichloropropene	8.08	75	83125	21.079	ug/l 100
37) Ethyl Acetate	7.25	43	45291	19.962	ug/l 98
38) Carbon Tetrachloride	8.07	117	71713	21.242	ug/l 96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	89767	20.672	ug/l	98
40) Benzene	8.32	78	230049	20.826	ug/l	98
41) Methacrylonitrile	7.48	41	26559	19.583	ug/l	99
42) 1,2-Dichloroethane	8.40	62	72522	20.970	ug/l	99
43) Isopropyl Acetate	8.43	43	84519	20.256	ug/l	99
44) Trichloroethene	9.09	130	55130	20.765	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62461	21.133	ug/l	100
46) Dibromomethane	9.46	93	27744	20.567	ug/l	100
47) Bromodichloromethane	9.65	83	72804	20.574	ug/l	98
48) Methyl methacrylate	9.43	41	38418	19.167	ug/l	95
49) 1,4-Dioxane	9.45	88	8331	426.520	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	215740	99.403	ug/l	100
52) Toluene	10.39	92	139564	20.922	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72789	19.692	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	88767	20.197	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39802	20.795	ug/l	98
56) Ethyl methacrylate	10.65	69	55116	19.679	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75092	20.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	149227	117.346	ug/l	100
59) 2-Hexanone	10.97	43	146725	95.747	ug/l	100
60) Dibromochloromethane	11.13	129	42165	19.846	ug/l	96
61) 1,2-Dibromoethane	11.23	107	36259	20.018	ug/l	100
64) Tetrachloroethene	10.86	164	45220	20.853	ug/l	95
65) Chlorobenzene	11.66	112	138065	20.619	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48673	20.869	ug/l	100
67) Ethyl Benzene	11.73	91	267904	21.008	ug/l	99
68) m/p-Xylenes	11.84	106	193893	41.808	ug/l	99
69) o-Xylene	12.16	106	89842	20.847	ug/l	99
70) Styrene	12.18	104	155523	20.872	ug/l	99
71) Bromoform	12.35	173	23778	19.995	ug/l #	98
73) Isopropylbenzene	12.46	105	251335	21.202	ug/l	100
74) N-amyl acetate	12.27	43	73880	19.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46586	20.893	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32157m	19.126	ug/l	
77) Bromobenzene	12.75	156	55623	21.229	ug/l	100
78) n-propylbenzene	12.80	91	310312	21.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	176020	21.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213352	21.471	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14003	19.194	ug/l	96
82) 4-Chlorotoluene	12.99	91	186460	21.383	ug/l	100
83) tert-Butylbenzene	13.21	119	178637	21.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214737	21.453	ug/l	99
85) sec-Butylbenzene	13.38	105	258482	21.801	ug/l	100
86) p-Isopropyltoluene	13.50	119	230041	21.384	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107128	20.852	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106079	20.757	ug/l	99
89) n-Butylbenzene	13.82	91	224404	20.903	ug/l	99
90) Hexachloroethane	14.09	117	40067	21.063	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	95992	21.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7431	19.543	ug/l	98

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VW0822SBSD01

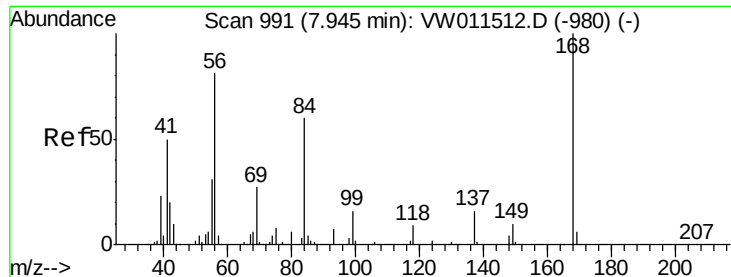
Manual Integrations
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QLast Update : Sat Jul 27 00:23:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62111	19.395	ug/l	97
94) Hexachlorobutadiene	15.24	225	41962	21.012	ug/l	99
95) Naphthalene	15.36	128	108893	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	56173	20.011	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBSD01

Tot Ion:168 Resp: 235672

Ion Ratio Lower Upper

168 100

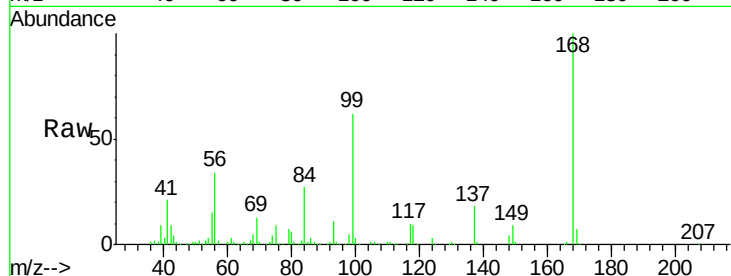
99 61.6 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

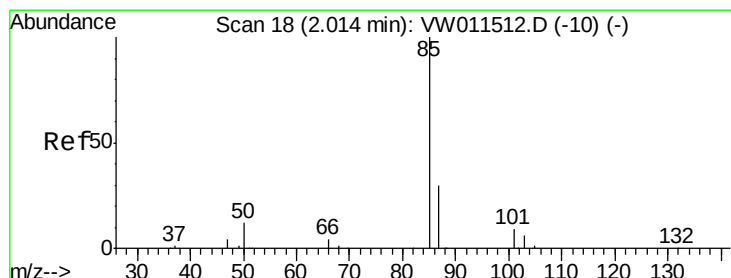
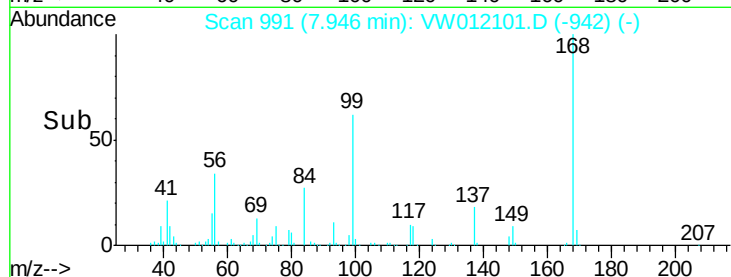
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.208 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012101.D

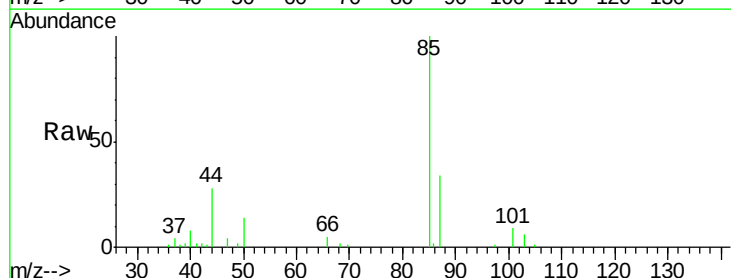
Acq: 22 Aug 2019 11:06

Tgt Ion: 85 Resp: 27855

Ion Ratio Lower Upper

85 100

87 34.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

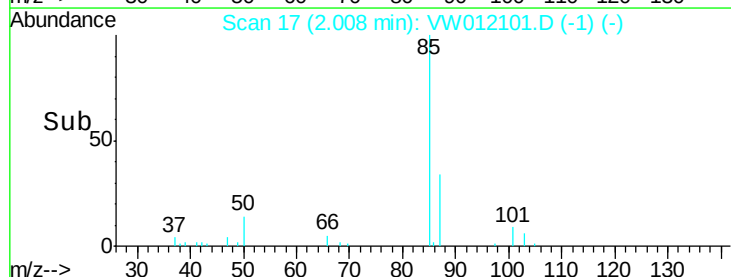
4000

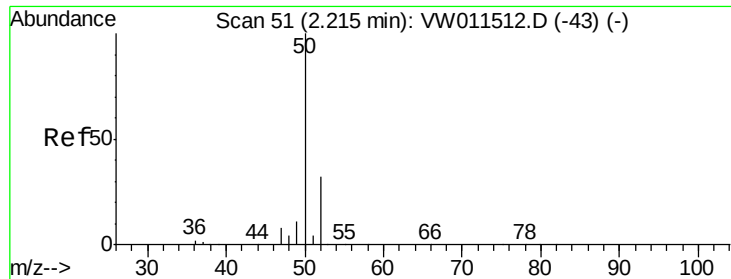
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.280 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBSD01

Tot Ion: 50 Resp: 46188

Ion Ratio Lower Upper

50 100

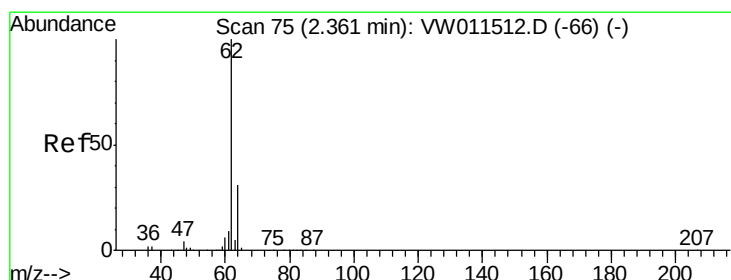
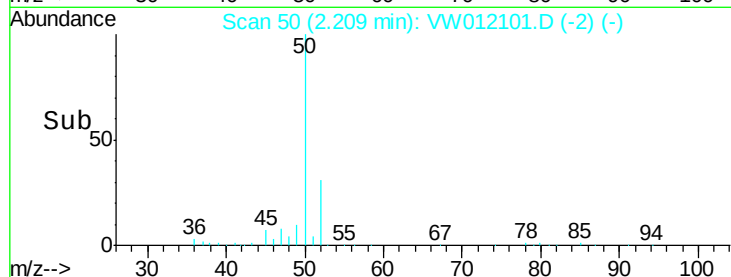
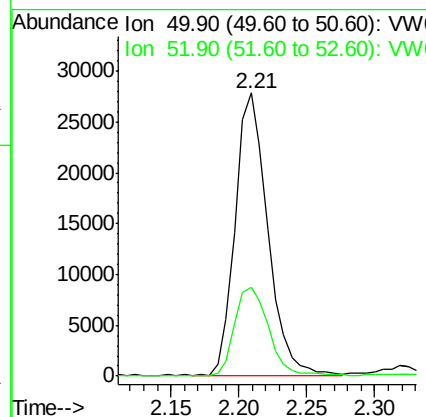
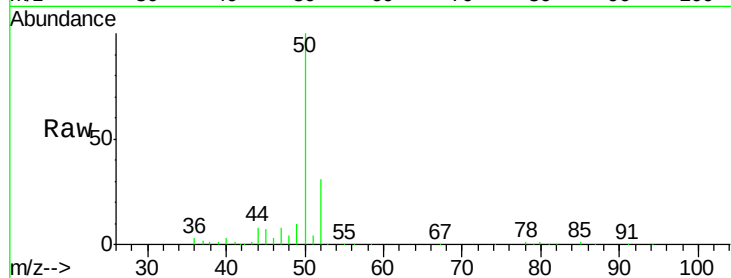
52 31.3 25.4 38.2

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#4

Vinyl Chloride

Concen: 20.799 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012101.D

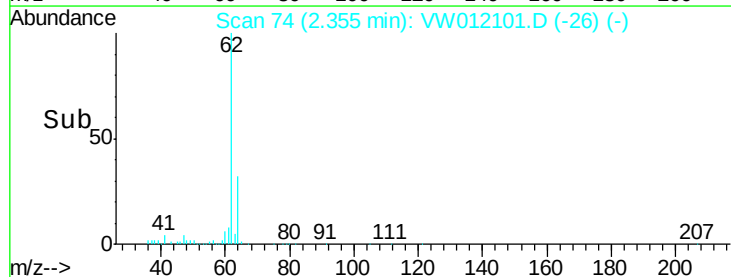
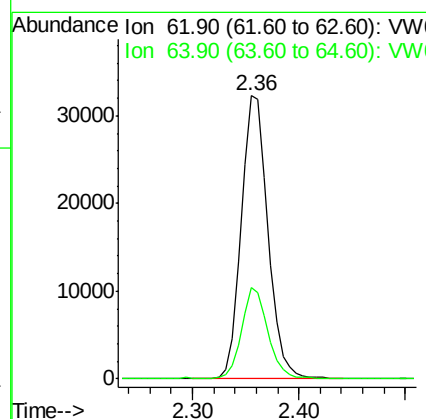
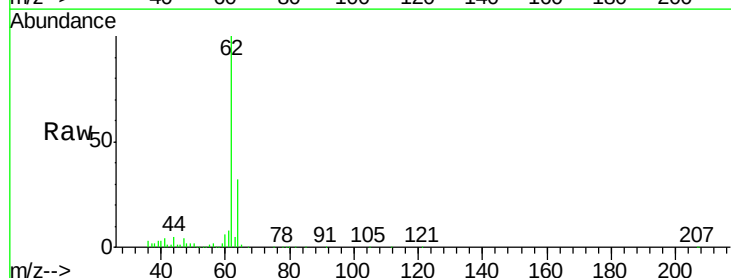
Acq: 22 Aug 2019 11:06

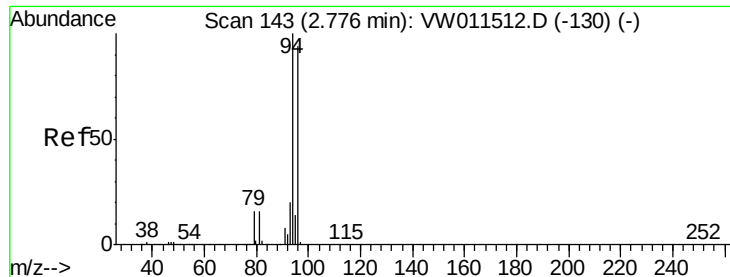
Tgt Ion: 62 Resp: 57031

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 19.192 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBSD01

Tot Ion: 94 Resp: 29128

Ion Ratio Lower Upper

94 100

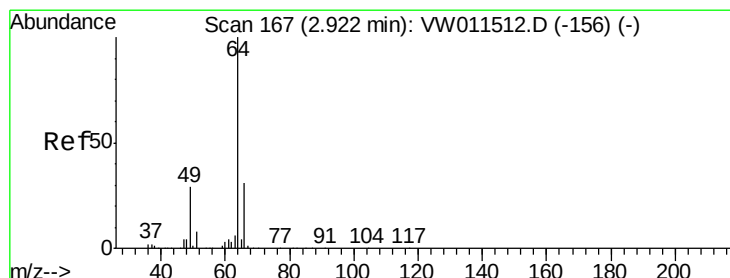
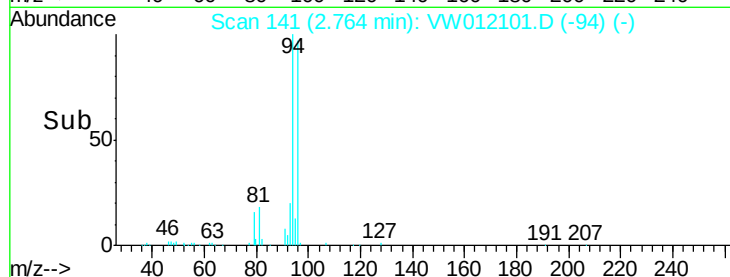
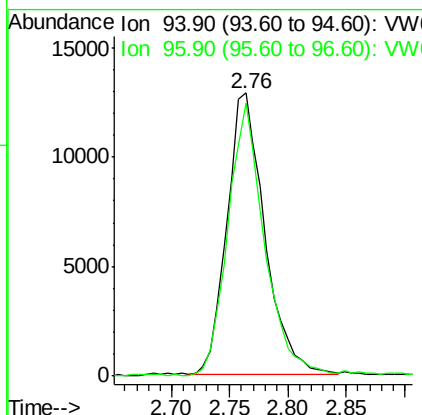
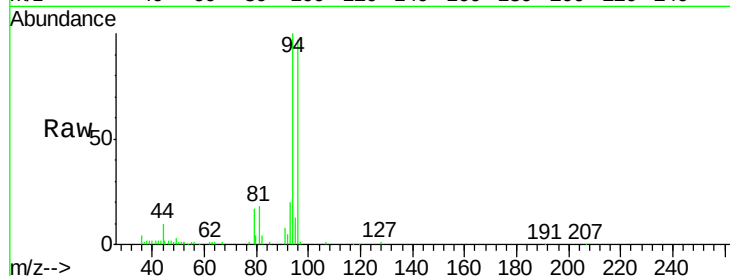
96 97.2 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 20.795 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012101.D

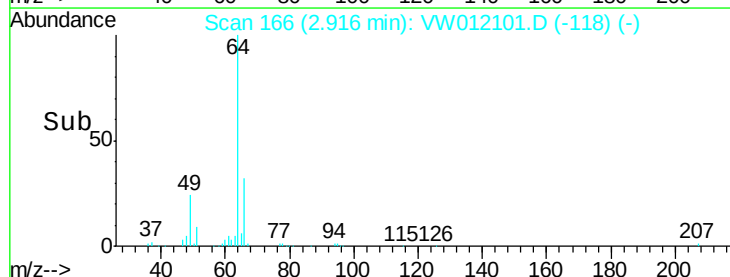
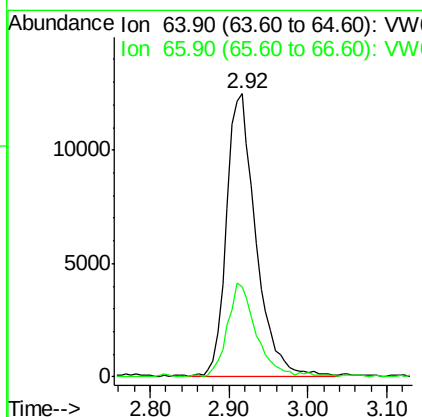
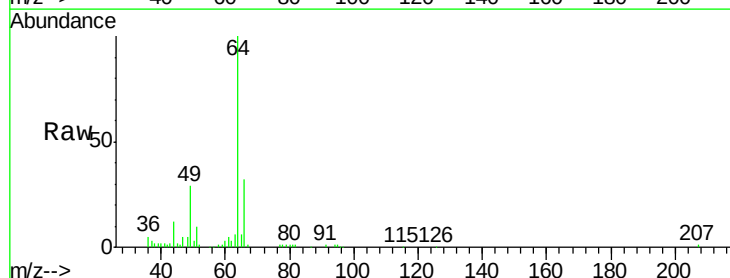
Acq: 22 Aug 2019 11:06

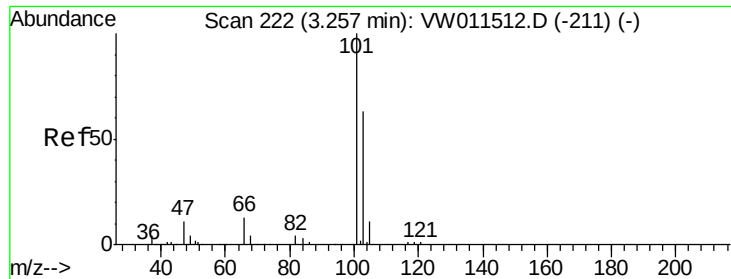
Tgt Ion: 64 Resp: 32570

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

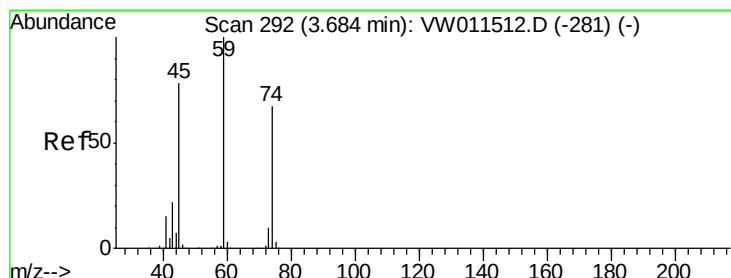
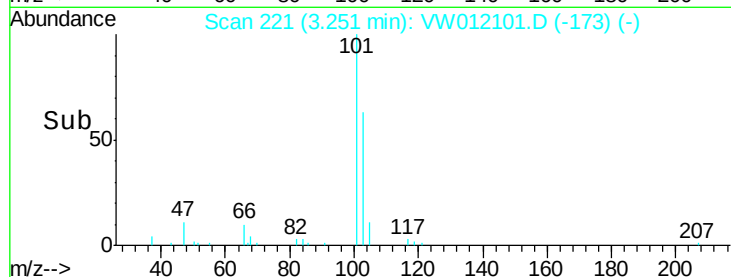
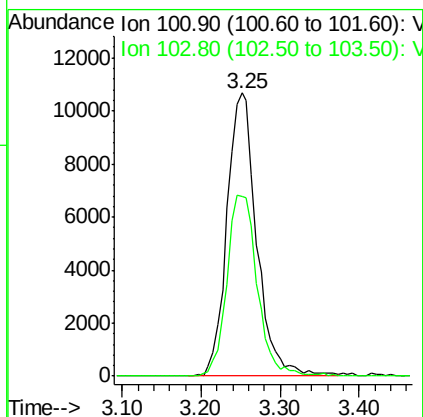
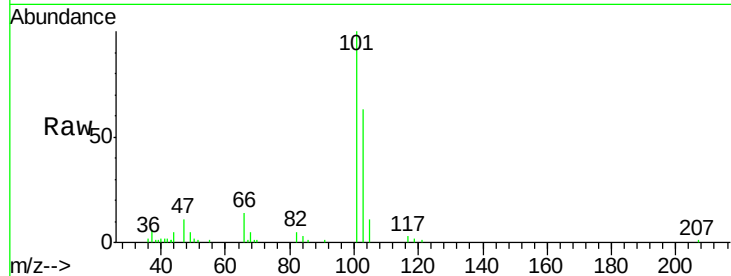
Trichlorofluoromethane
 Concen: 22.830 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
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 ClientSampleId :
 VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.2	75.4

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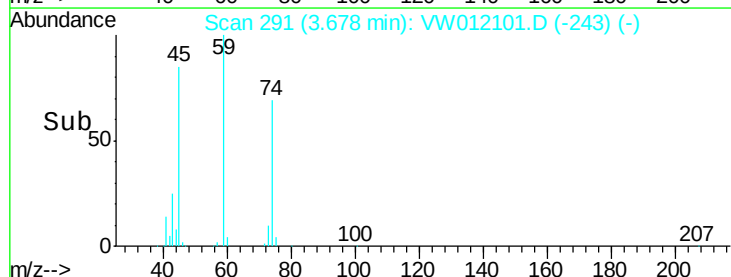
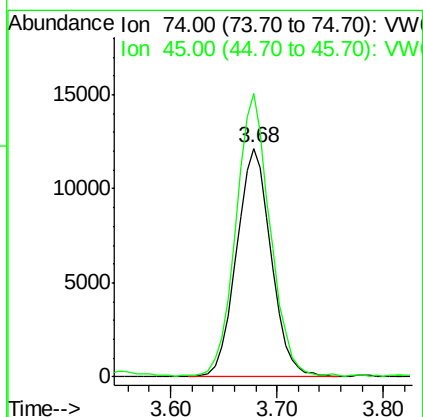
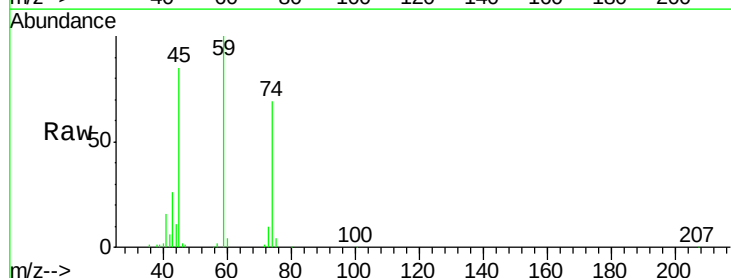
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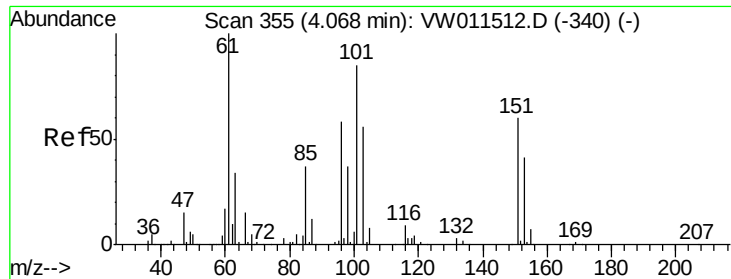


#8

Diethyl Ether
 Concen: 19.930 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.4	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.518 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

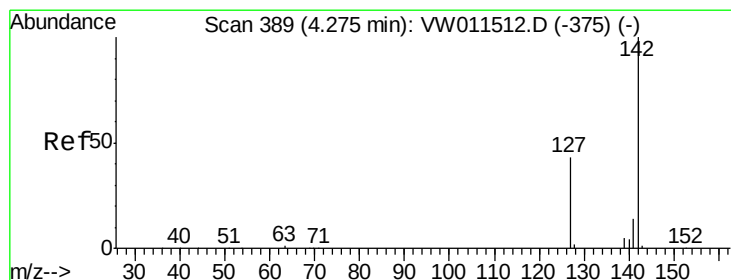
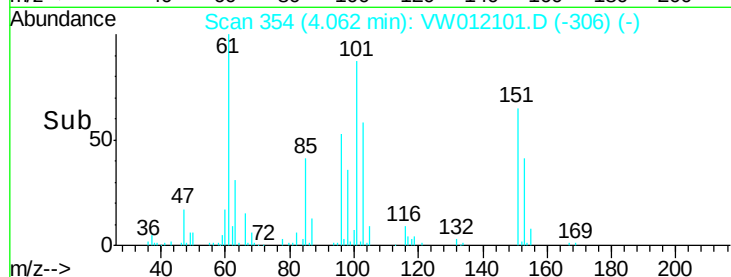
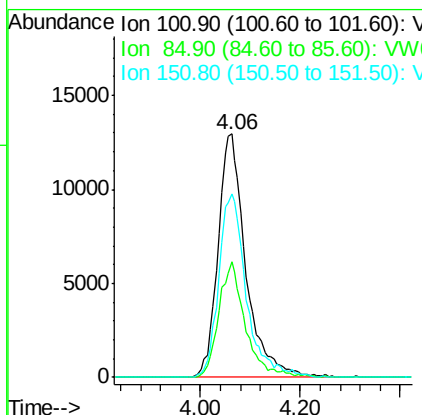
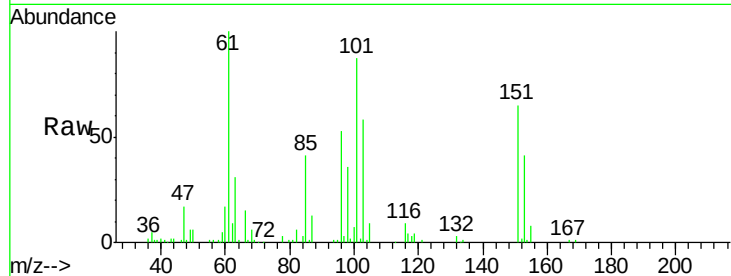
ClientSampleId :

VW0822SBSD01

Tot Ion:	101	Resp:	50020
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	75.0	60.2	90.2

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#10

Methyl Iodide

Concen: 20.111 ug/l

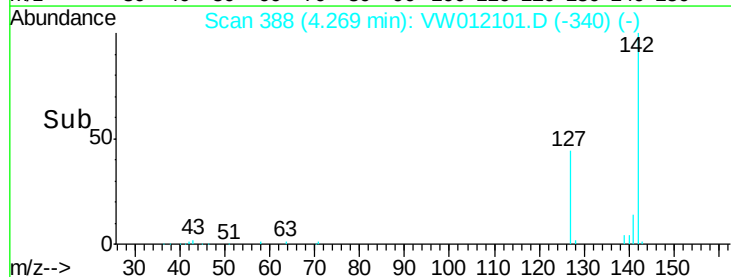
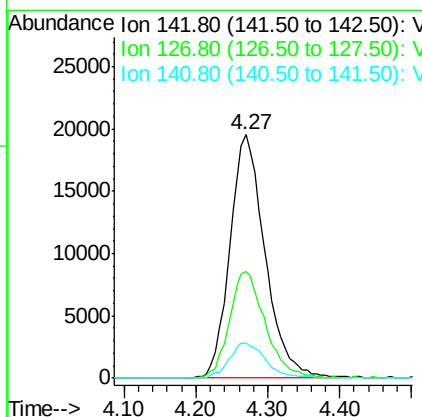
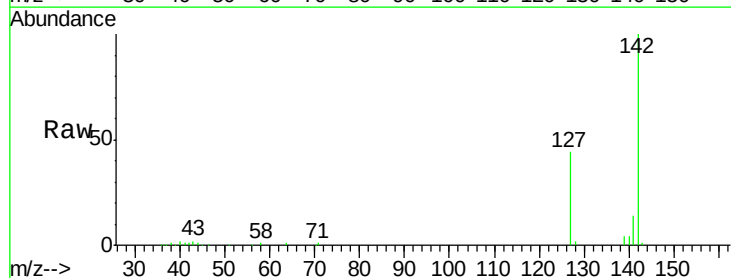
RT: 4.27 min Scan# 388

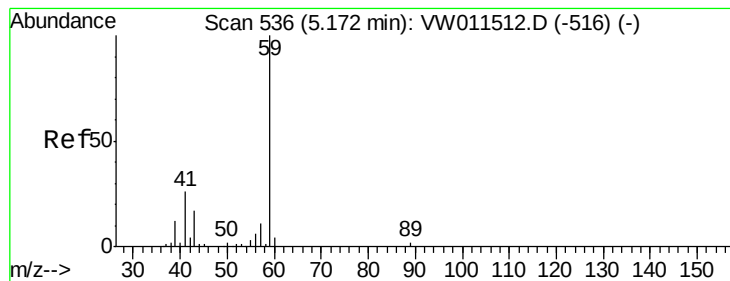
Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	142	Resp:	66067
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.0	52.6
141	15.0	11.9	17.9





#11

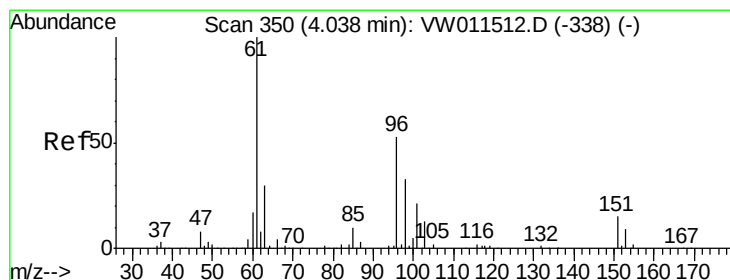
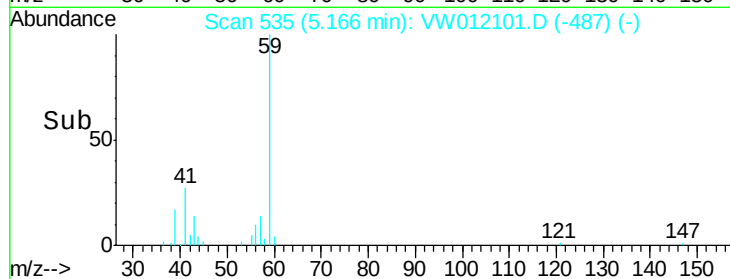
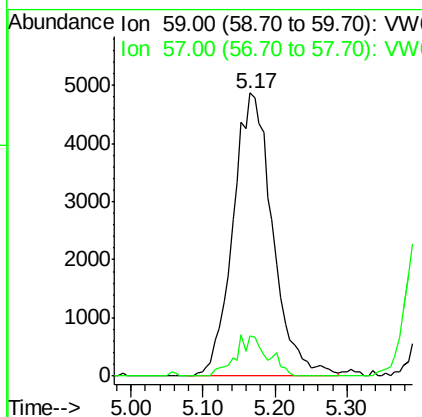
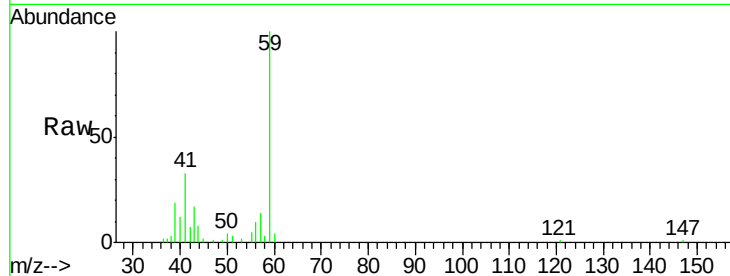
Tert butyl alcohol
 Concen: 80.805 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion	59	Resp	18548
Ion Ratio	100	Lower	Upper
57	9.6	8.5	12.7

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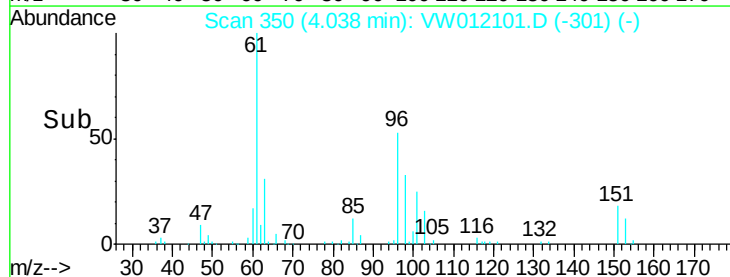
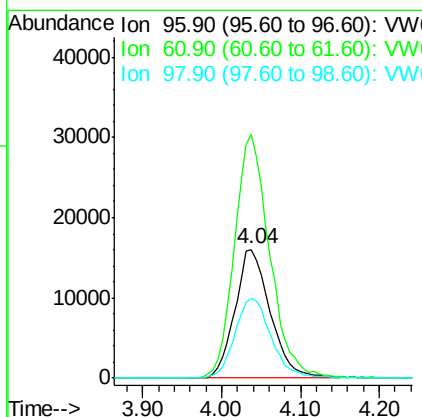
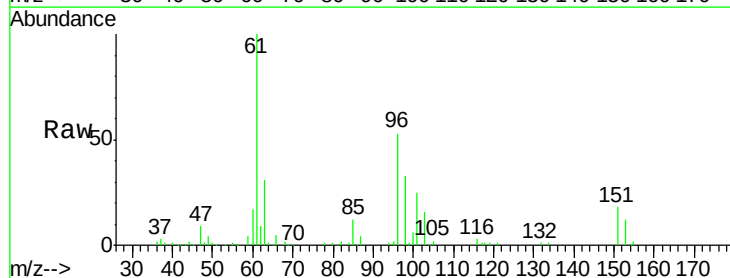
MMDadoda
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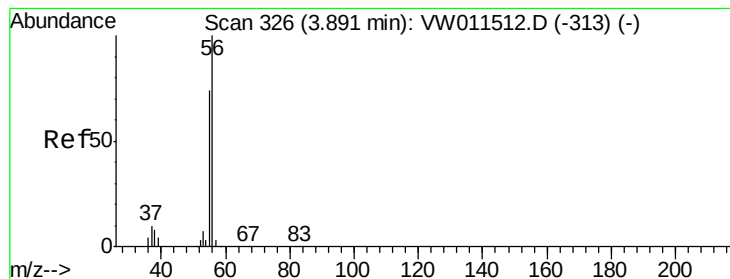


#12

1,1-Dichloroethene
 Concen: 20.318 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	96	Resp	49870
Ion Ratio	100	Lower	Upper
61	189.5	149.9	224.9
98	62.2	49.1	73.7





#13

Acrolein

Concen: 53.647 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBSD01

Tot Ion: 56 Resp: 10417

Ion Ratio Lower Upper

56 100

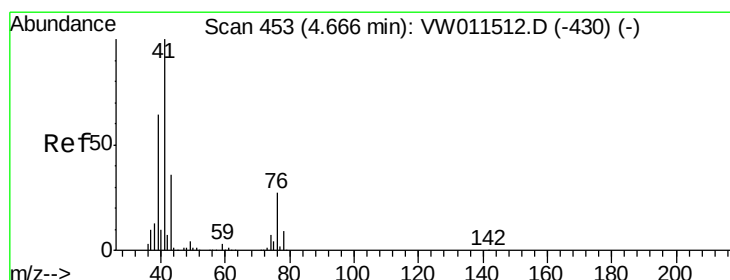
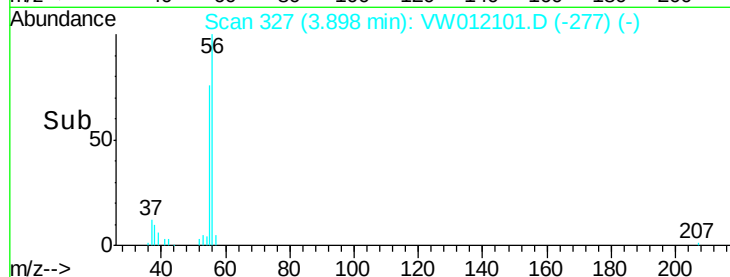
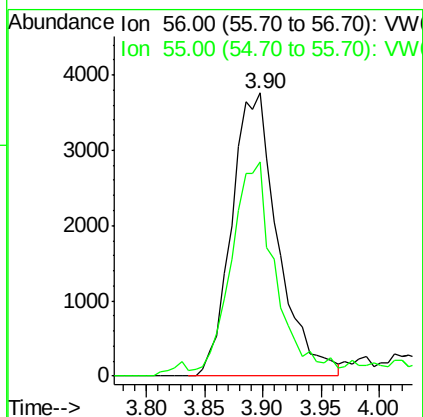
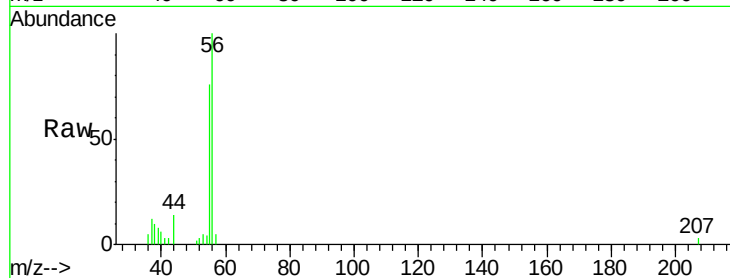
55 69.1 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.132 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

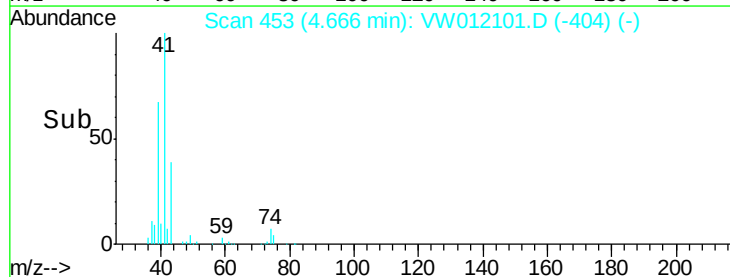
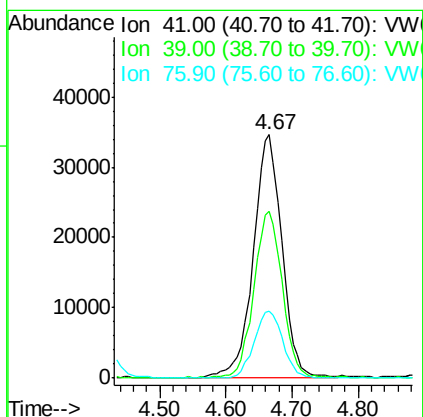
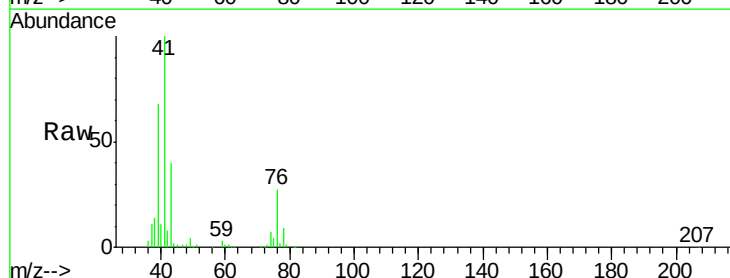
Tgt Ion: 41 Resp: 105094

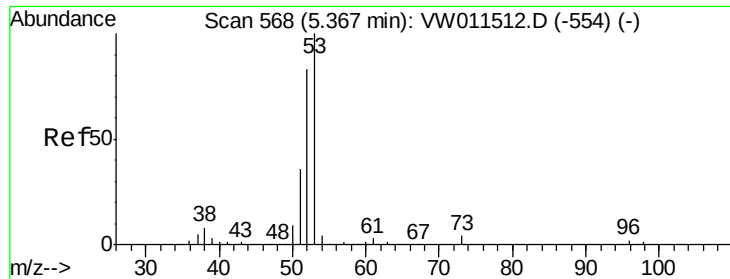
Ion Ratio Lower Upper

41 100

39 66.3 52.6 78.8

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 100.925 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

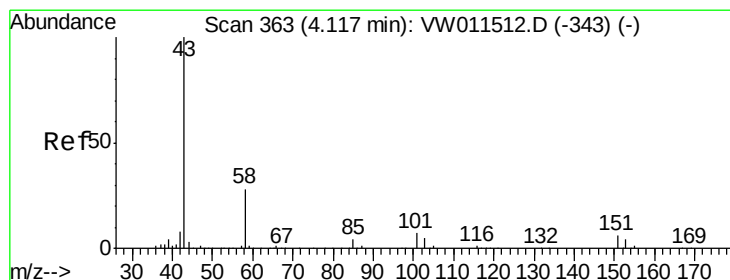
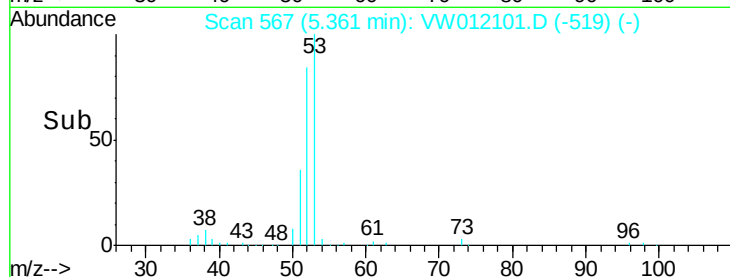
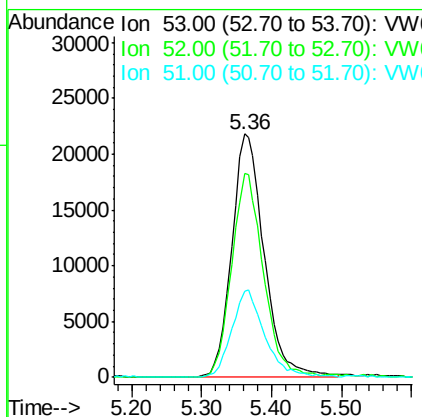
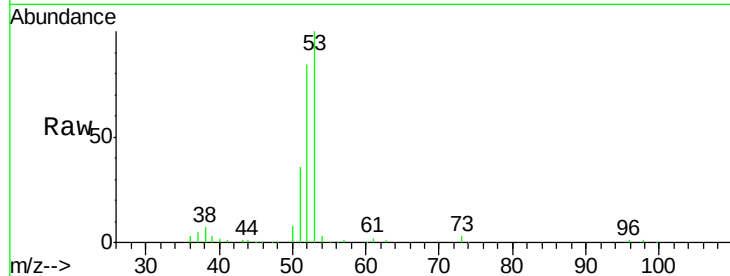
ClientSampleId :

VW0822SBS01

Tot Ion:	53	Resp:	69999
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.2	100.8
51	36.6	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 78.154 ug/l

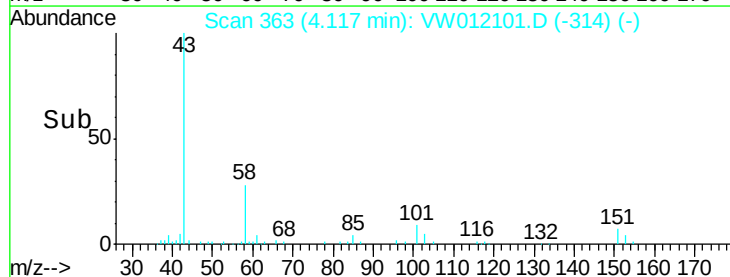
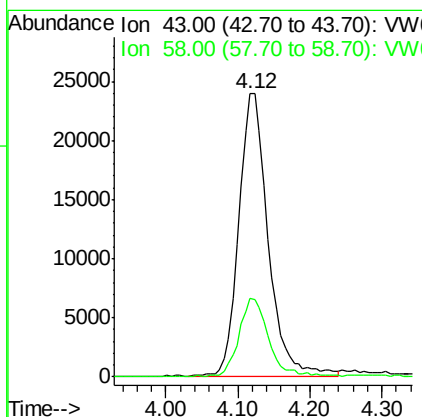
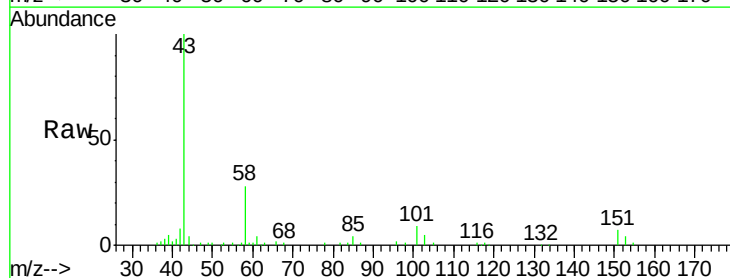
RT: 4.12 min Scan# 363

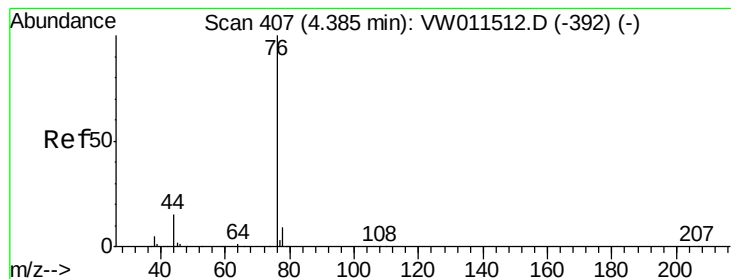
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	43	Resp:	67277
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





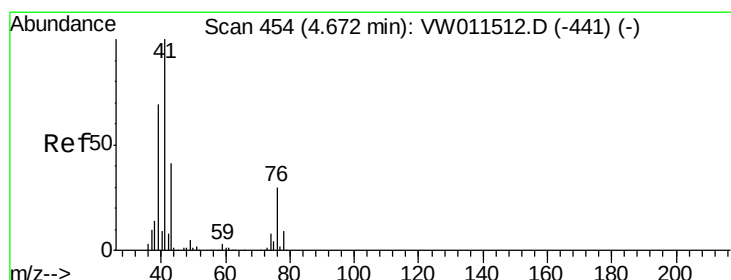
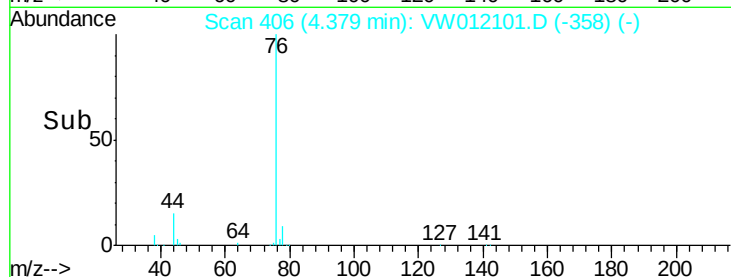
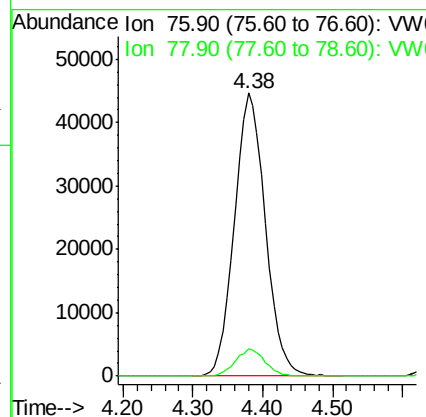
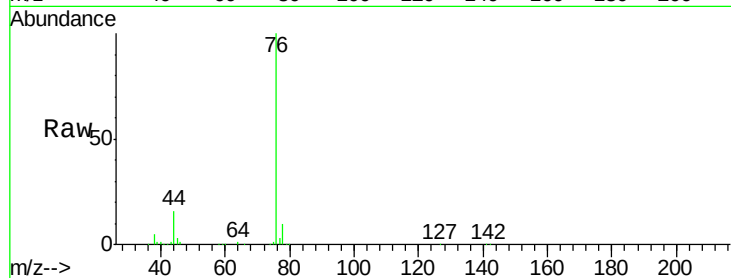
#17
Carbon Disulfide
Concen: 17.890 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

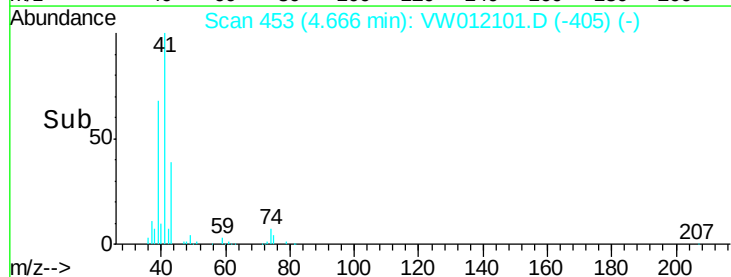
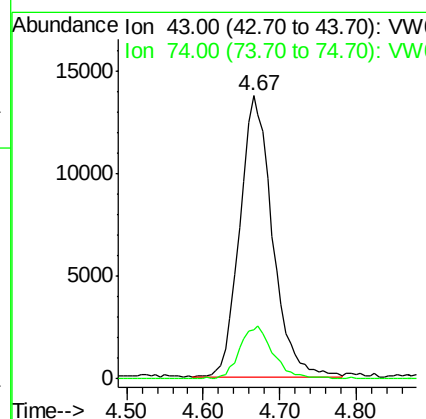
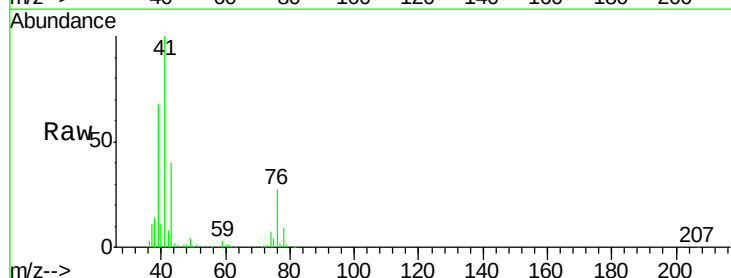
Manual Integrations
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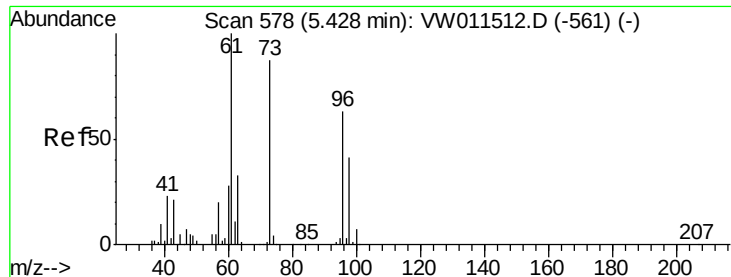
MMDadoda
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#18
Methyl Acetate
Concen: 20.953 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.9	23.9





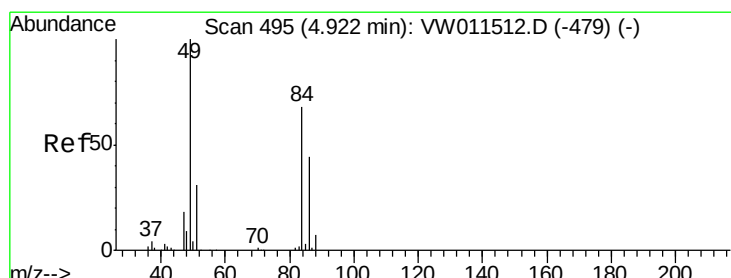
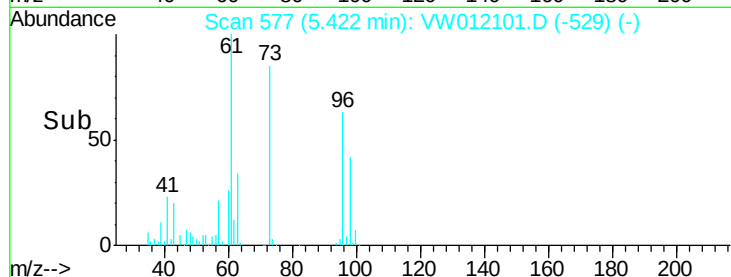
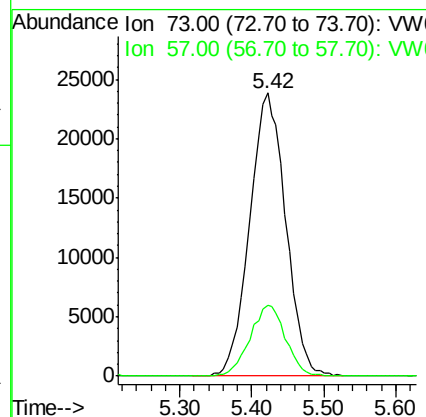
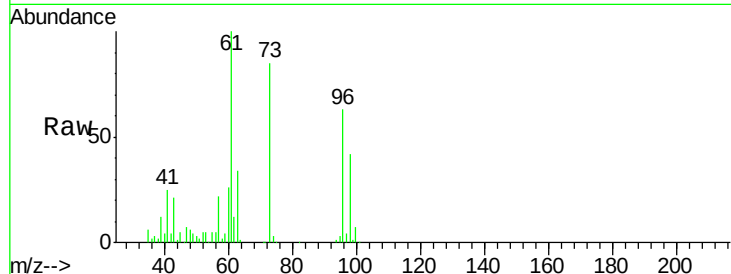
#19
Methyl tert-butyl Ether
Concen: 21.237 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	18.4	27.6

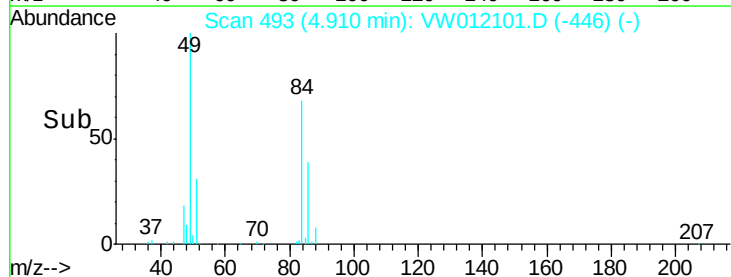
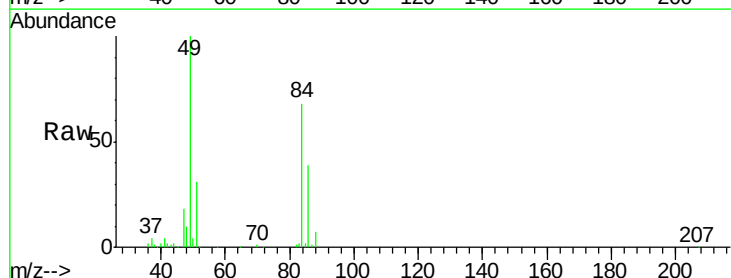
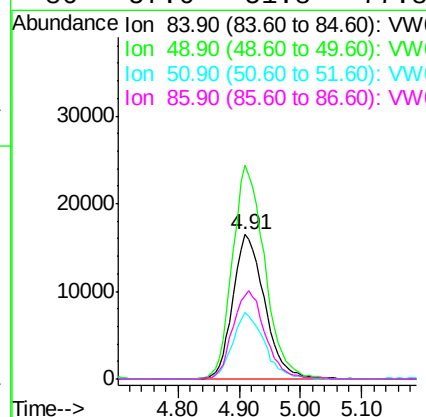
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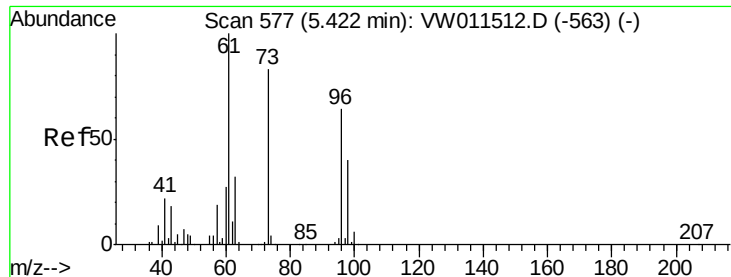
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#20
Methylene Chloride
Concen: 19.952 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	117.8	176.6
51	45.7	37.0	55.4
86	57.6	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 20.464 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

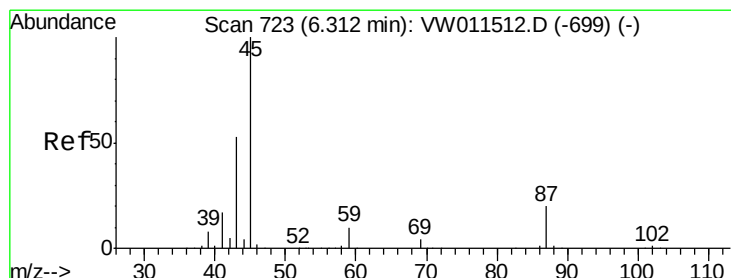
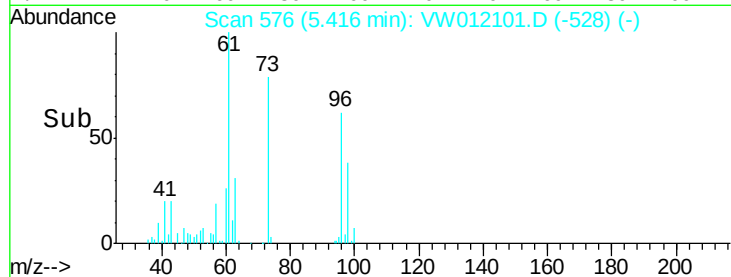
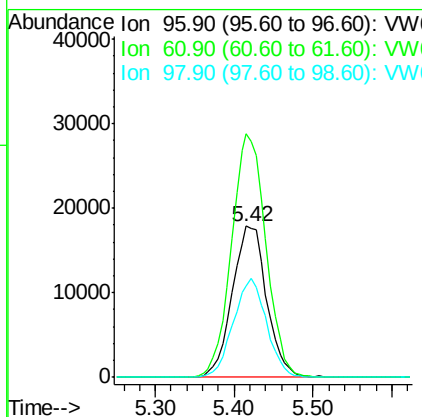
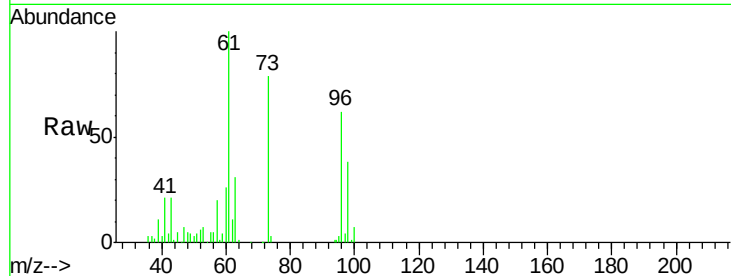
ClientSampleId :

VW0822SBSD01

Tot Ion:	96	Resp:	54152
Ion	Ratio	Lower	Upper
96	100		
61	160.8	125.7	188.5
98	60.8	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.099 ug/l

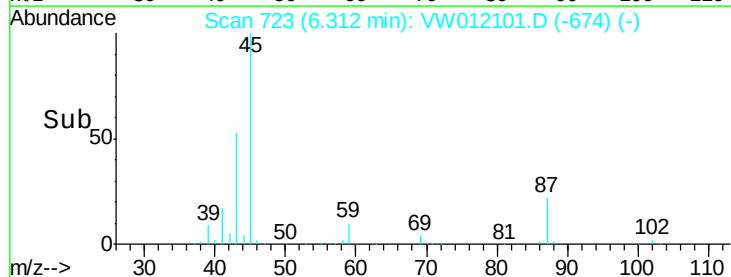
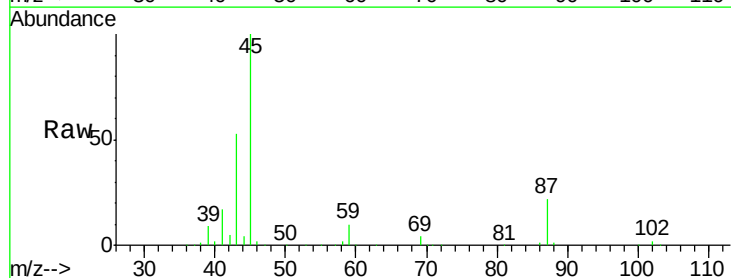
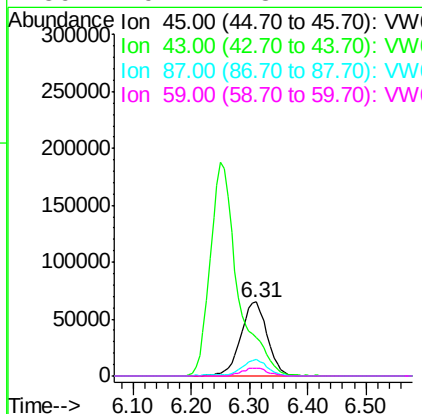
RT: 6.31 min Scan# 723

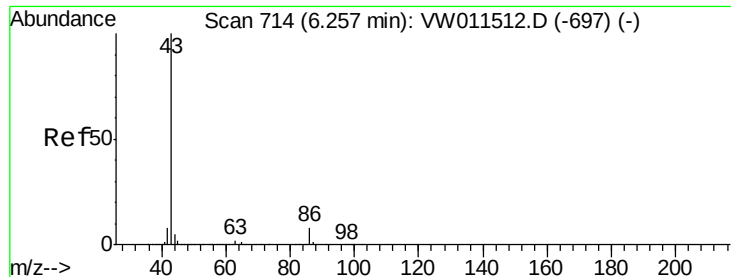
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	45	Resp:	207656
Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.6	63.8
87	22.0	16.4	24.6
59	9.7	8.2	12.2





#23

Vinyl Acetate

Concen: 99.449 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 43 Resp: 615035

Ion Ratio Lower Upper

43 100

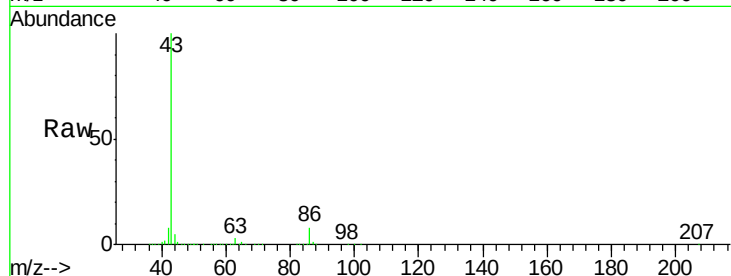
86 8.2 6.5 9.7

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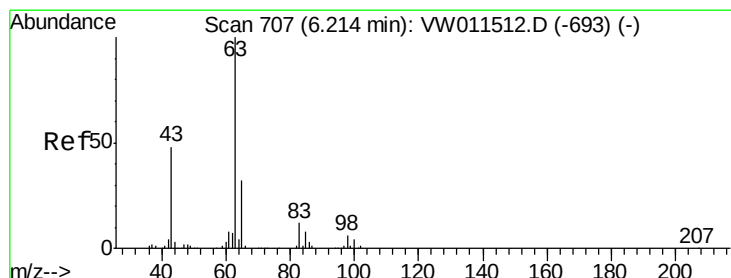
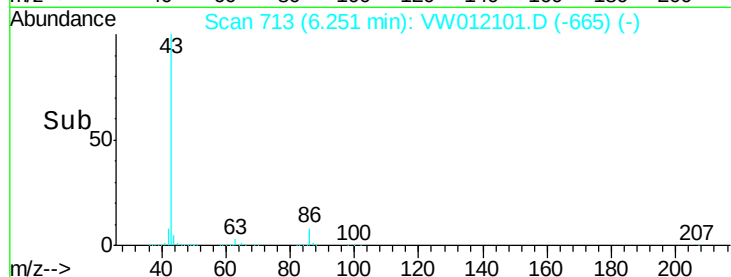
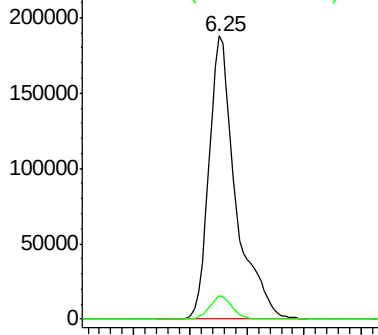
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.102 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

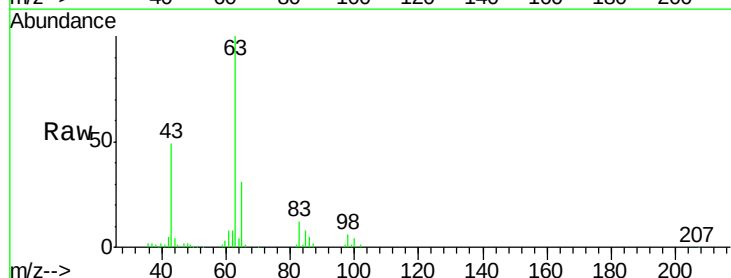
Tgt Ion: 63 Resp: 111232

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

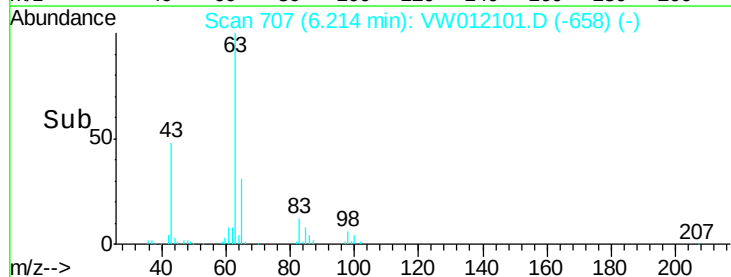
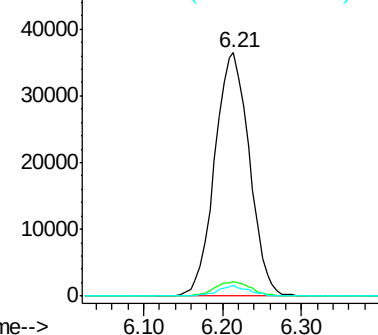
100 4.2 2.1 6.3

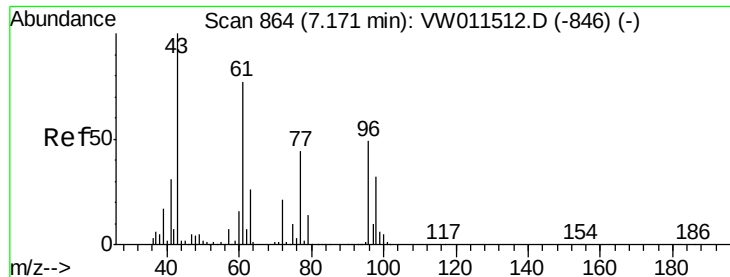


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 88.401 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 43 Resp: 99576

Ion Ratio Lower Upper

43 100

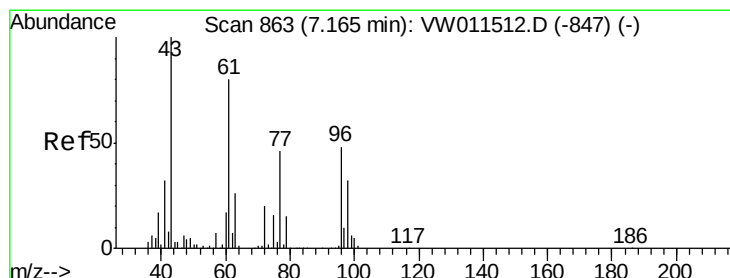
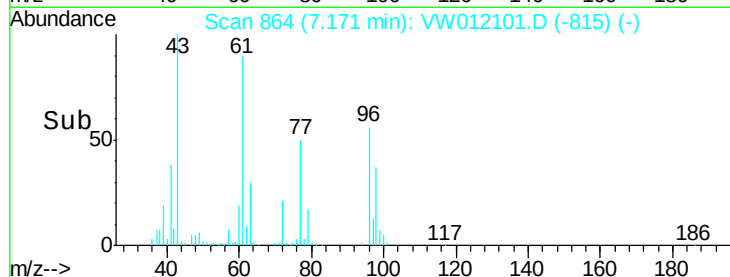
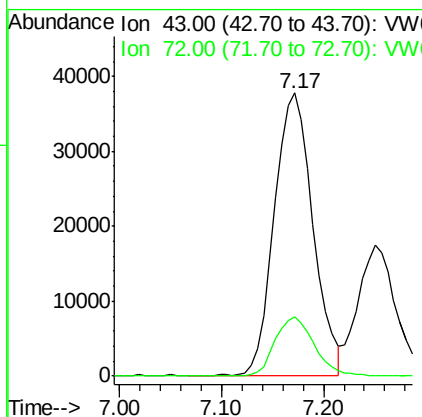
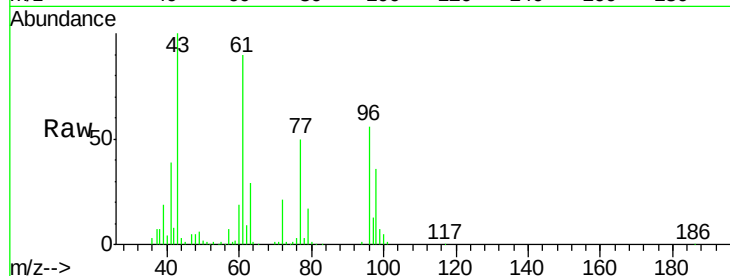
72 21.1 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.491 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012101.D

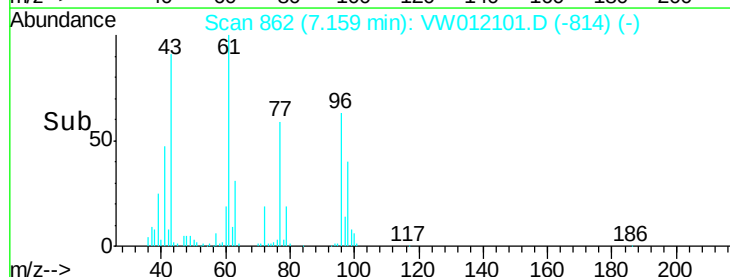
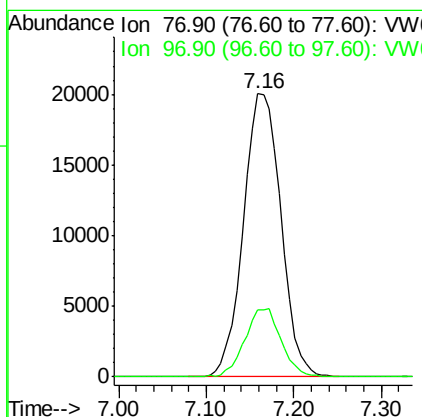
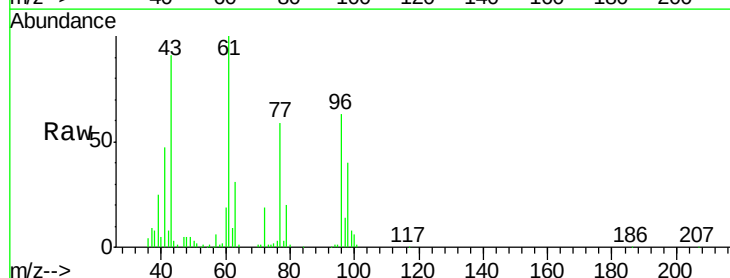
Acq: 22 Aug 2019 11:06

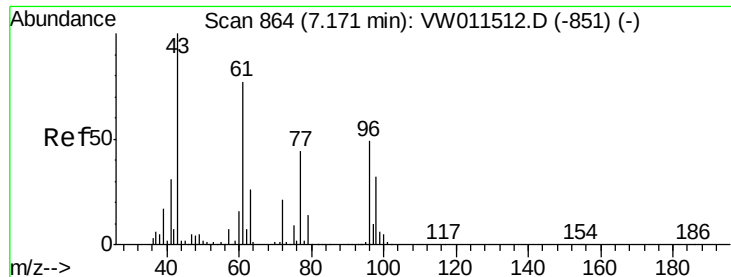
Tgt Ion: 77 Resp: 59942

Ion Ratio Lower Upper

77 100

97 23.3 10.8 32.4





#27

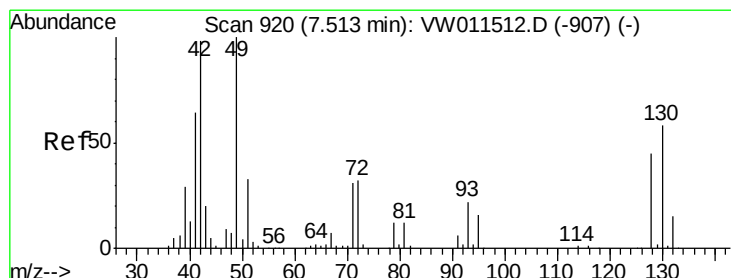
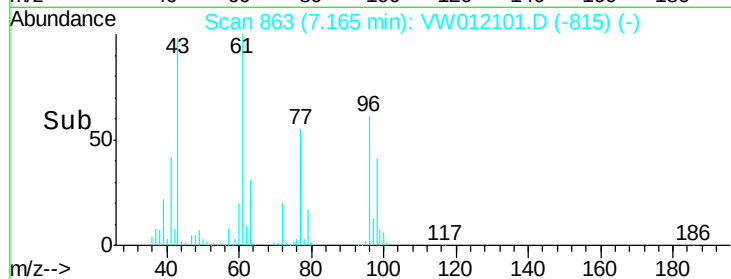
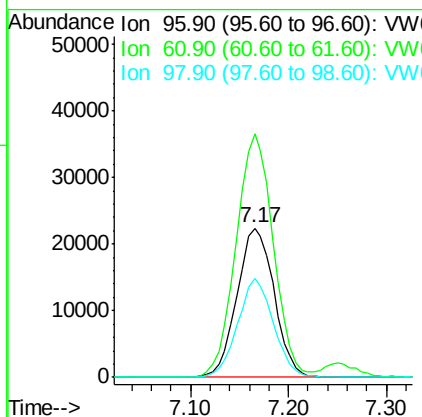
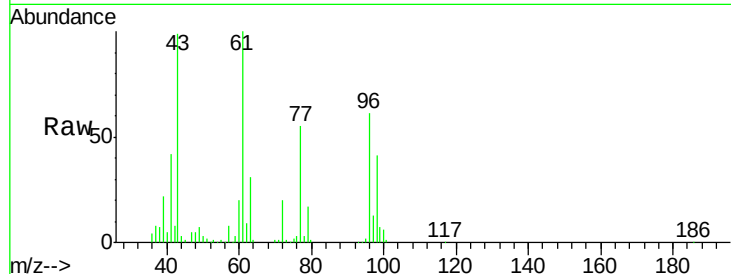
cis-1,2-Dichloroethene
Concen: 20.287 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59081		
61	163.2	0.0	328.4	
98	63.9	0.0	128.8	

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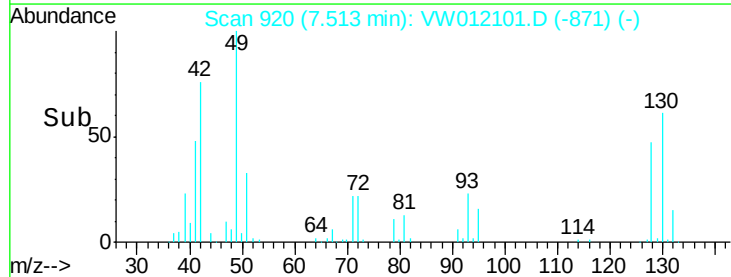
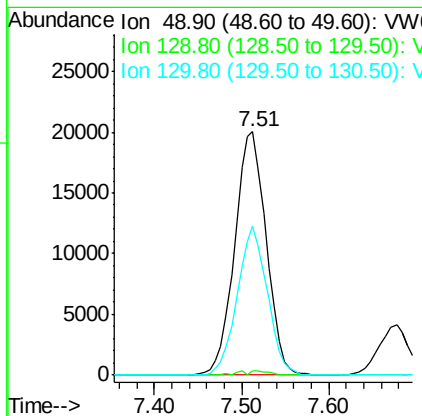
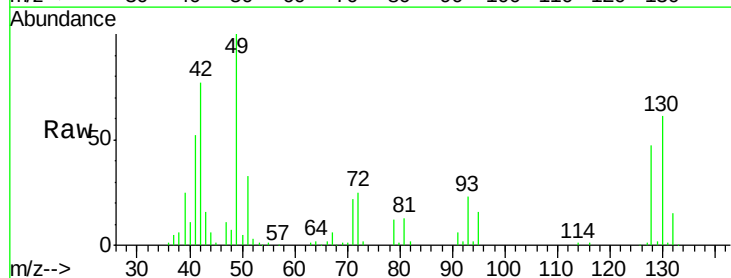
MMDadoda
8/23/2019 10:54:58 AM

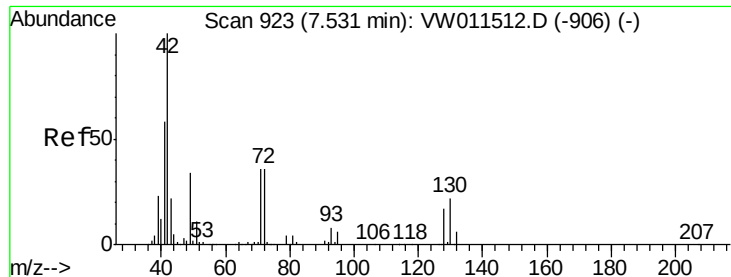


#28

Bromochloromethane
Concen: 21.458 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50204		
129	1.0	0.0	1.0	
130	58.3	46.3	69.5	





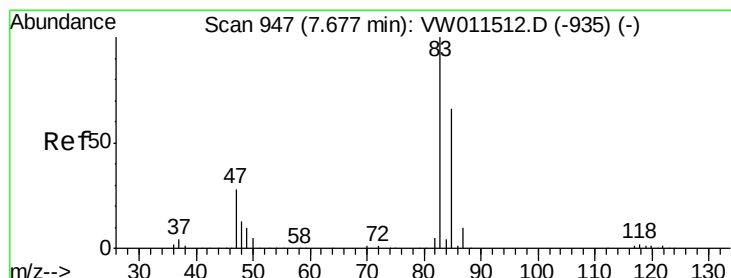
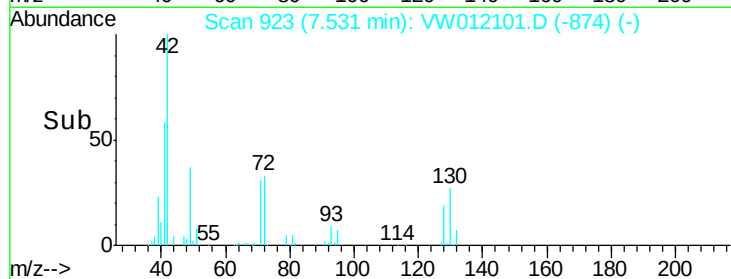
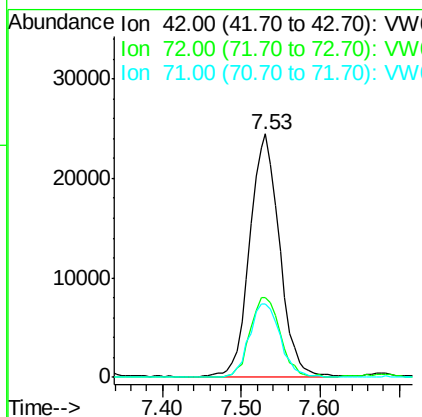
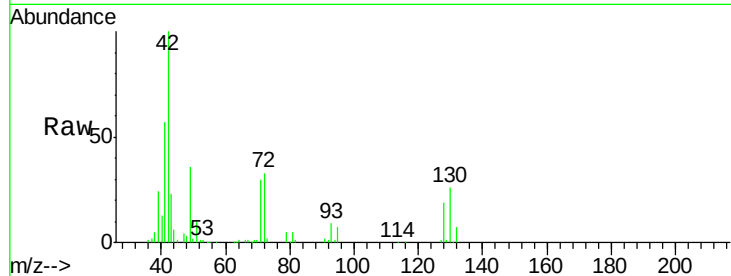
#29
Tetrahydrofuran
Concen: 100.531 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	27.1	40.7
71	31.3	26.2	39.4

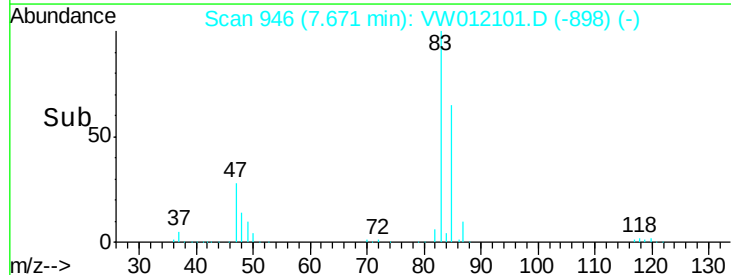
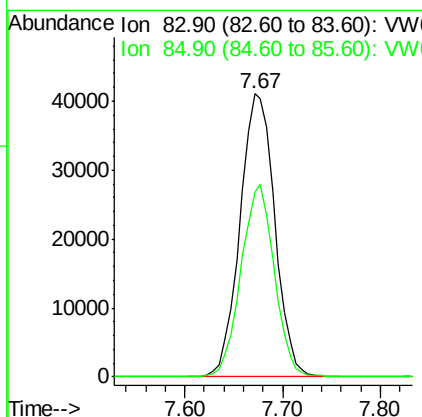
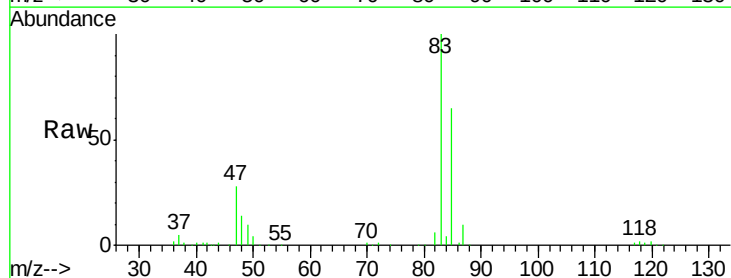
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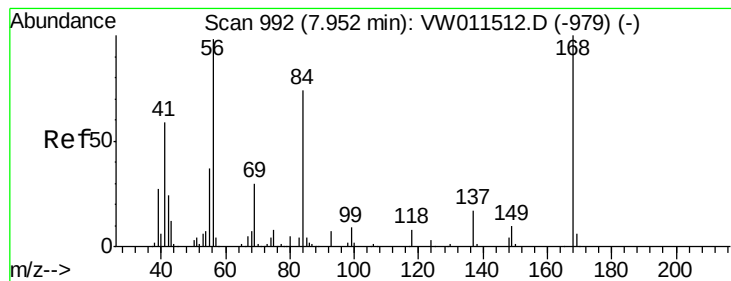
MMDadoda
8/23/2019 10:54:58 AM



#30
Chloroform
Concen: 20.806 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





#31

Cyclohexane

Concen: 20.089 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

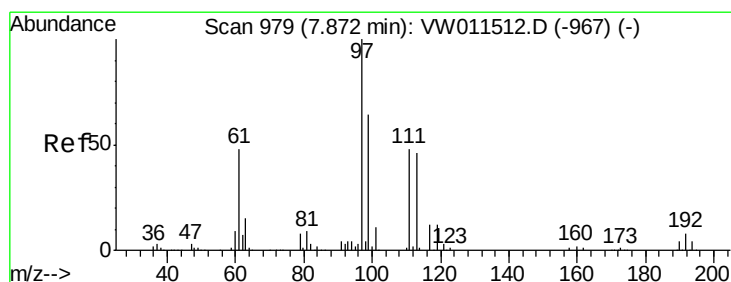
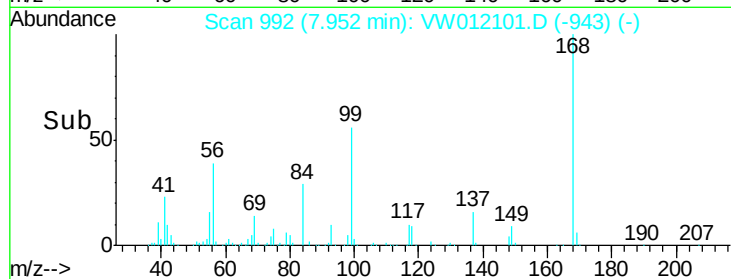
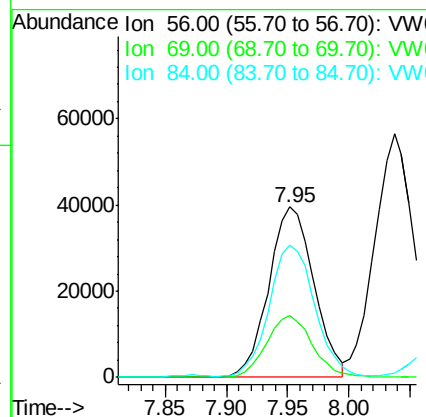
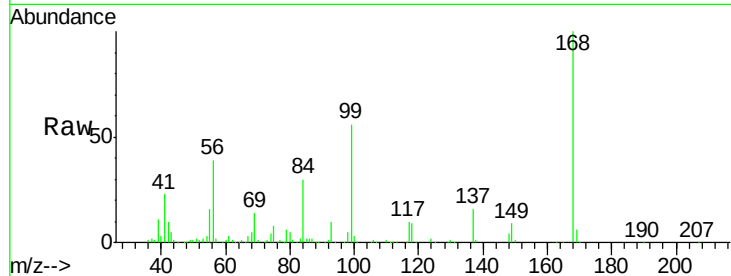
ClientSampleId :

VW0822SBSD01

Tot Ion:	56	Resp:	101650
Ion Ratio		Lower	Upper
56	100		
69	36.3	24.3	36.5
84	76.2	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.619 ug/l

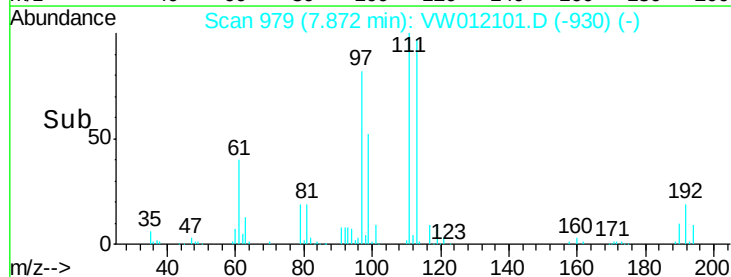
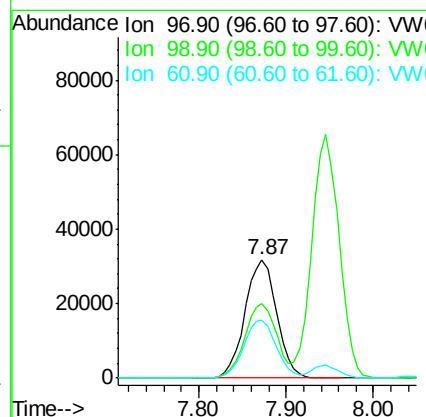
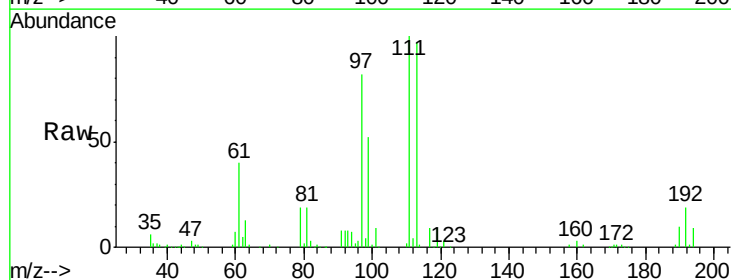
RT: 7.87 min Scan# 979

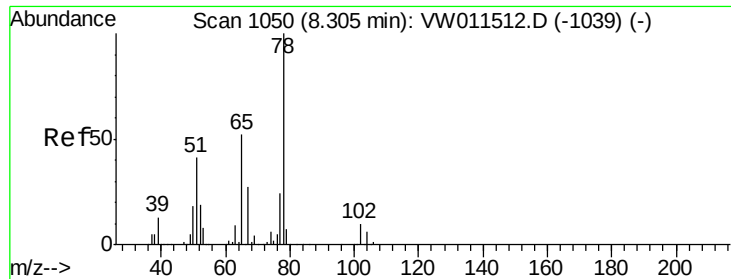
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	97	Resp:	80066
Ion Ratio		Lower	Upper
97	100		
99	62.8	51.0	76.6
61	49.9	39.8	59.6





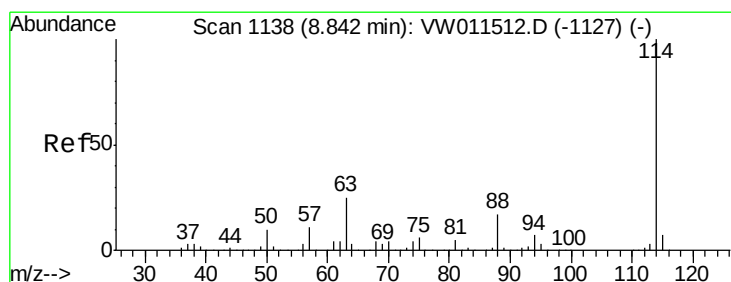
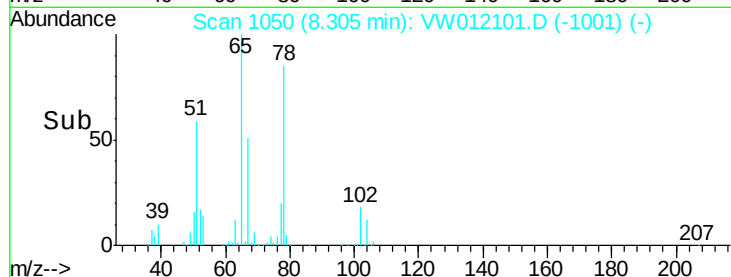
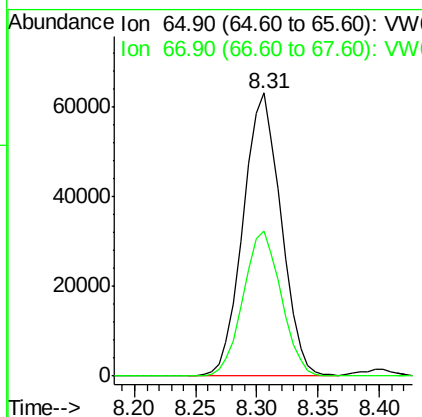
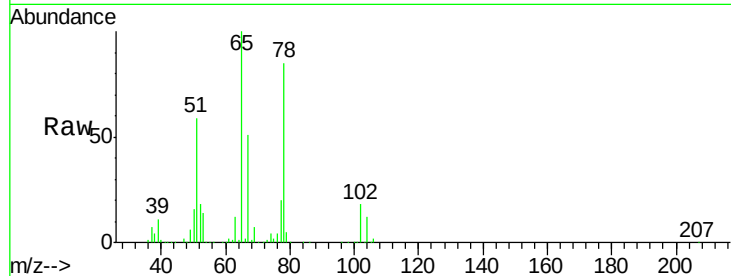
#33
 1,2-Dichloroethane-d4
 Concen: 50.304 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampled :
 VW0822SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136130		
67	51.3	0.0	105.2	

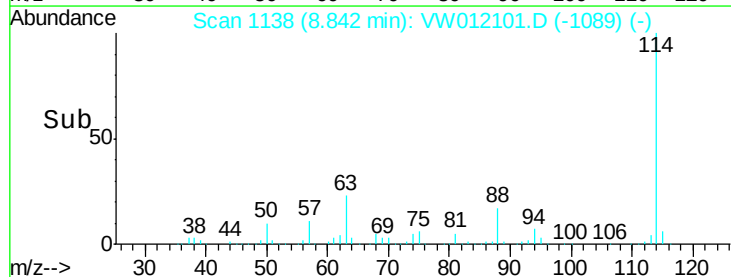
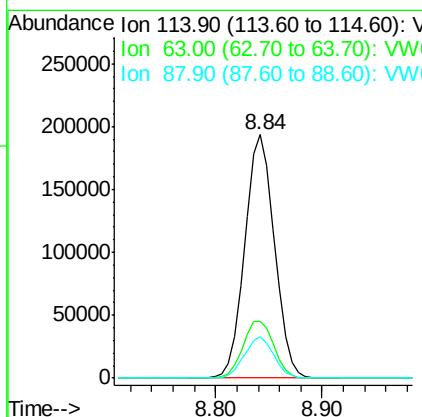
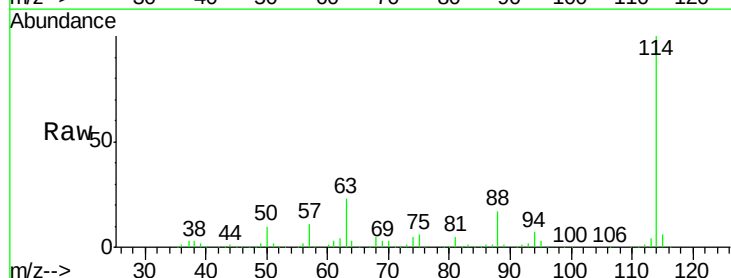
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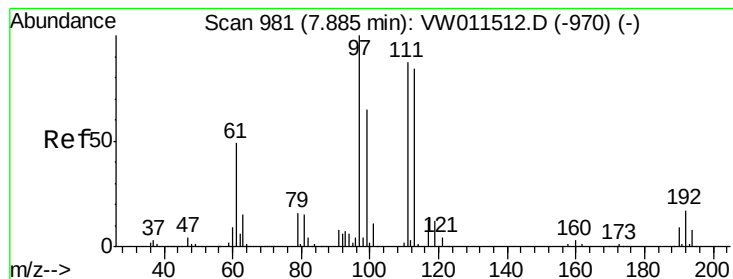
MMDadoda
 8/23/2019 10:54:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	379257		
63	23.1	0.0	49.2	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.139 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

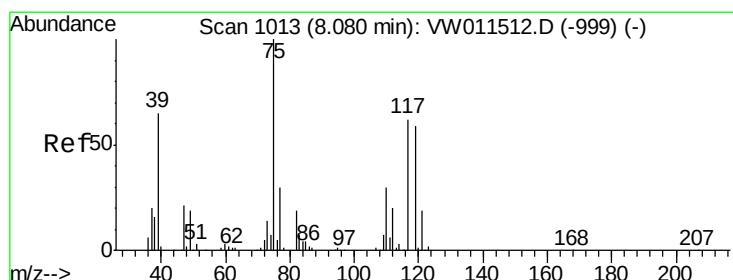
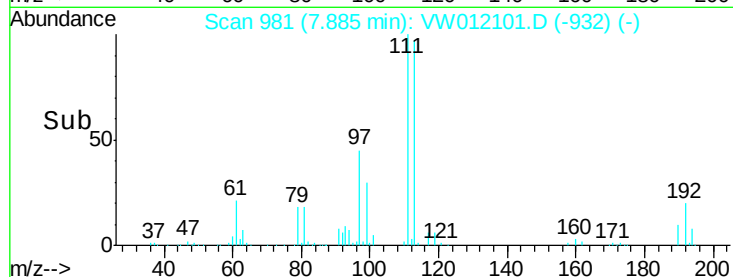
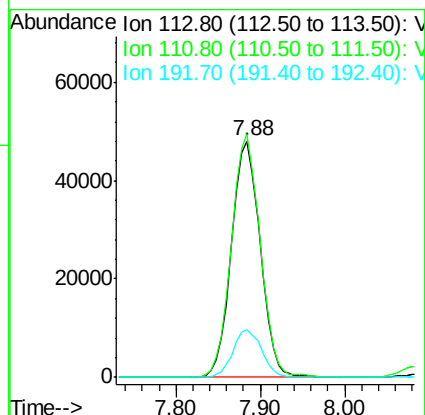
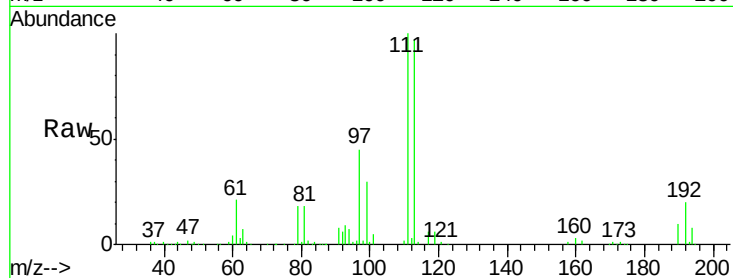
ClientSampleId :

VW0822SBS01

Tot Ion:	113	Resp:	110937
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.7	124.1
192	20.2	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 21.079 ug/l

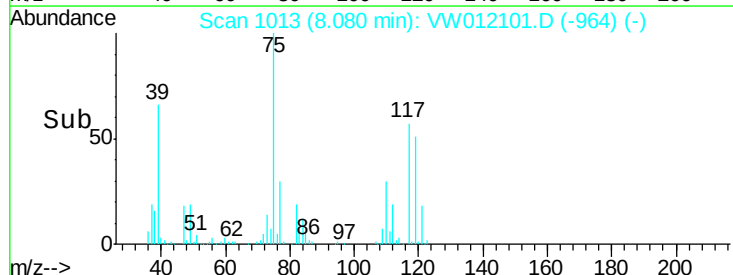
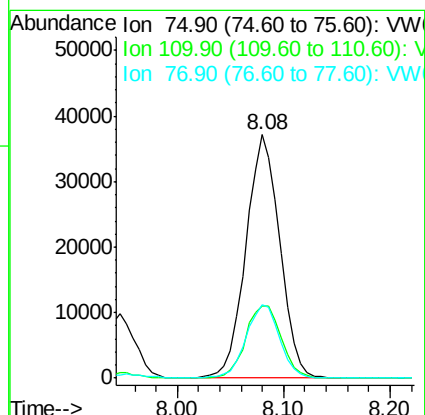
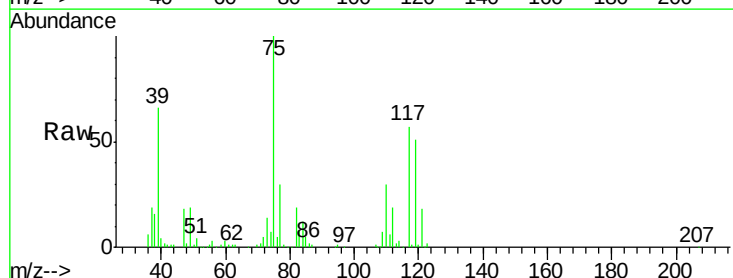
RT: 8.08 min Scan# 1013

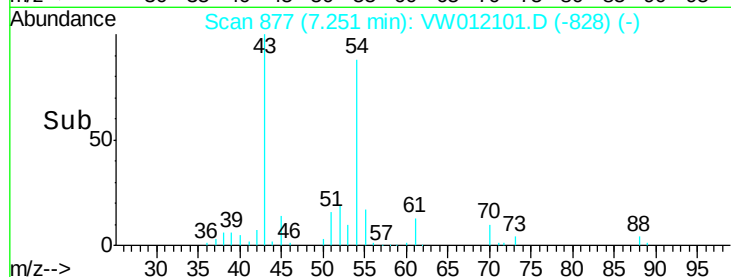
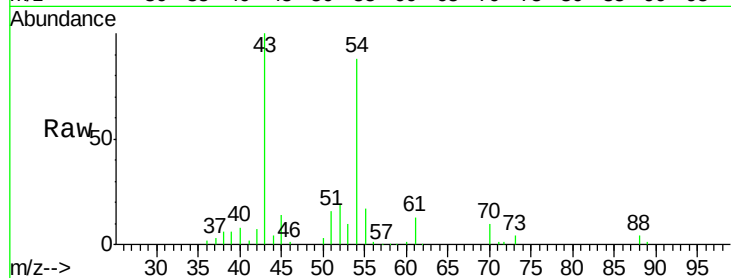
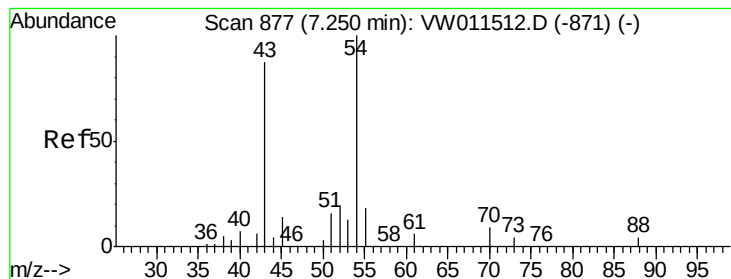
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	75	Resp:	83125
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.6	46.8
77	30.1	24.3	36.5





#37

Ethyl Acetate

Concen: 19.962 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW012101.D

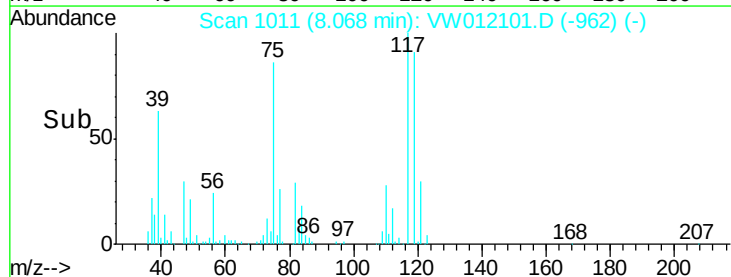
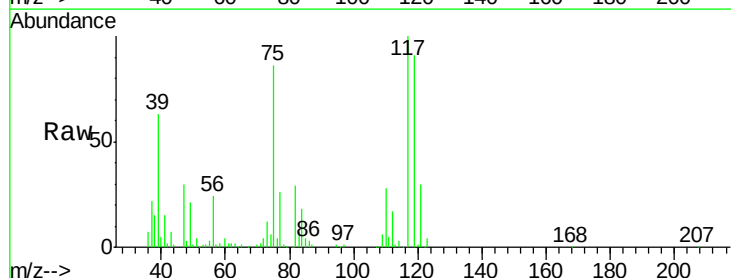
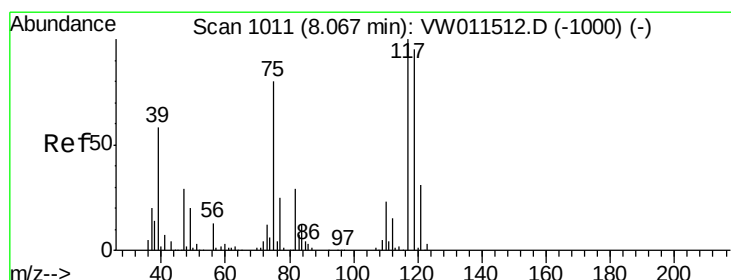
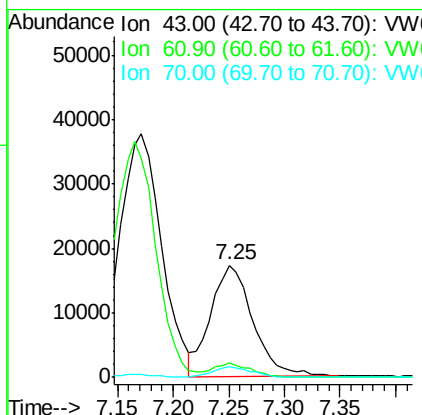
Acq: 22 Aug 2019 11:06

Tot Ion	43	Resp	45291
Ion	Ratio	Lower	Upper
43	100		
61	12.2	8.8	13.2
70	9.2	7.1	10.7

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.242 ug/l

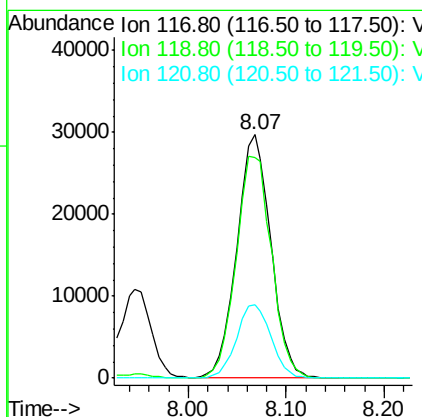
RT: 8.07 min Scan# 1011

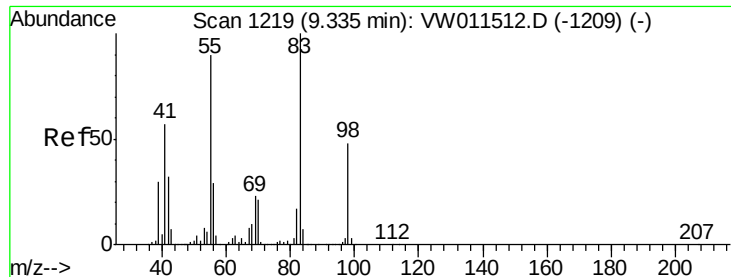
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion	117	Resp	71713
Ion	Ratio	Lower	Upper
117	100		
119	90.5	75.8	113.6
121	30.1	24.7	37.1





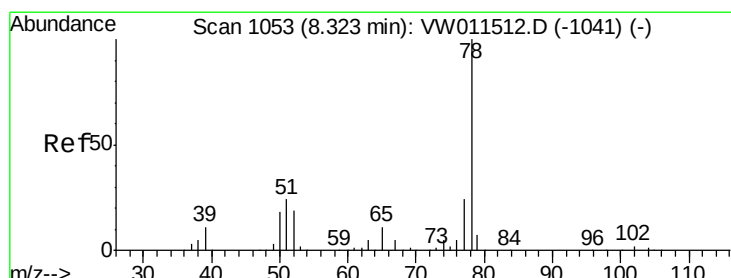
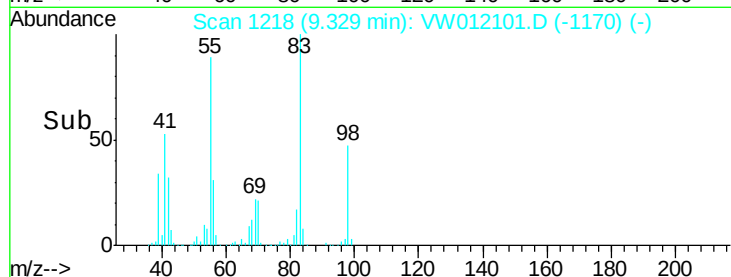
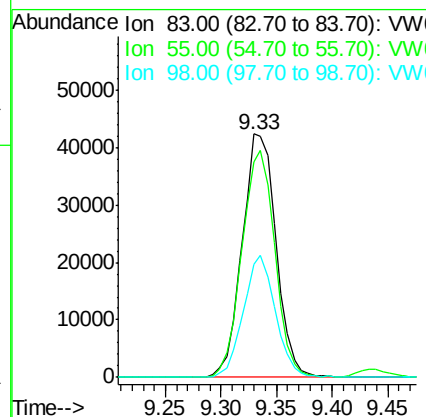
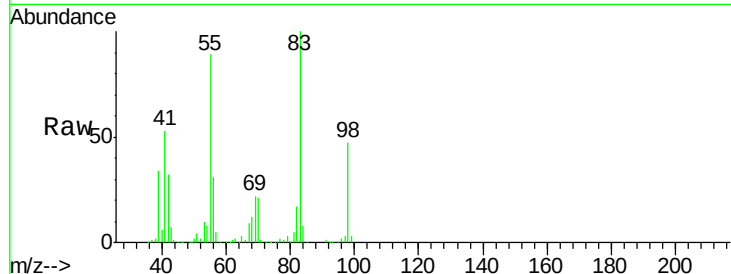
#39
Methylvlcyclohexane
Concen: 20.672 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion	83	Resp	89767
Ion Ratio	Lower	Upper	
83	100		
55	88.7	72.1	108.1
98	46.6	38.6	57.8

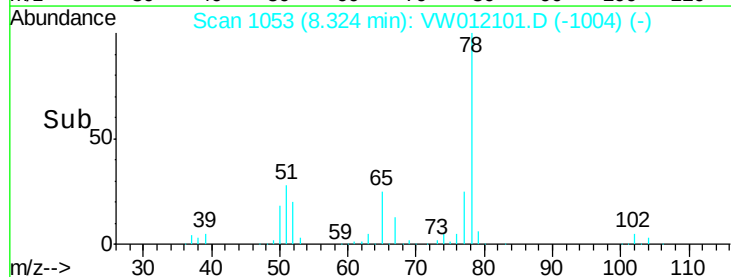
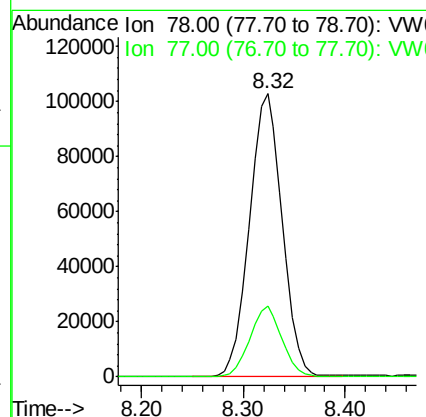
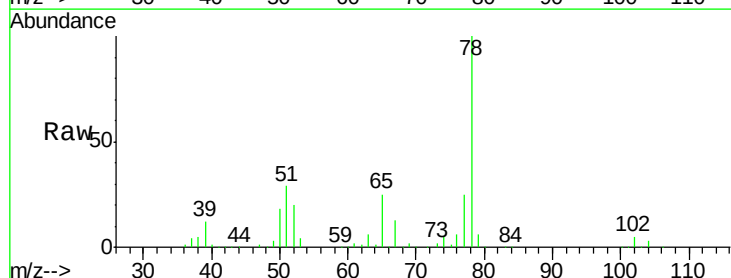
Manual Integrations
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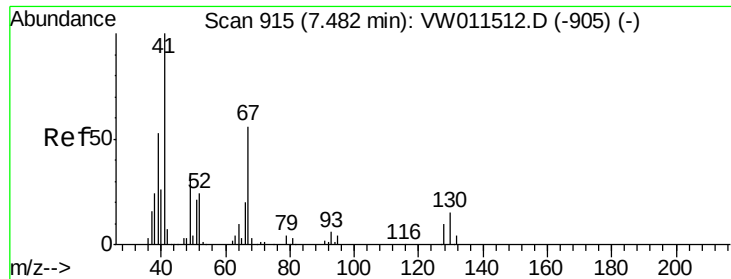
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#40
Benzene
Concen: 20.826 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	78	Resp	230049
Ion Ratio	Lower	Upper	
78	100		
77	25.1	19.4	29.0





#41

Methacrylonitrile

Concen: 19.583 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

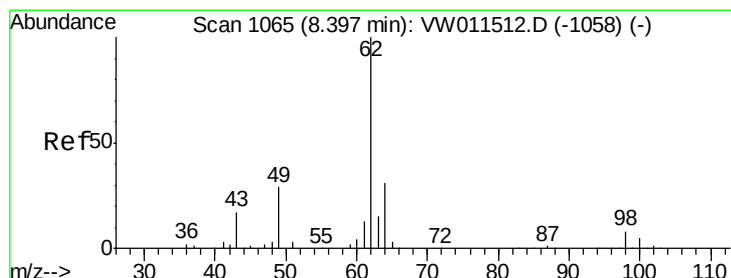
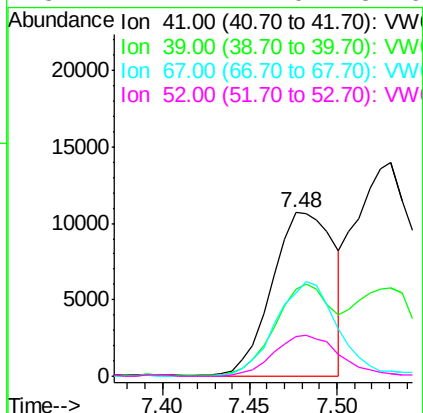
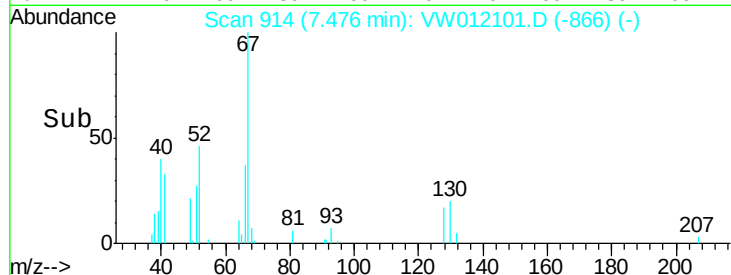
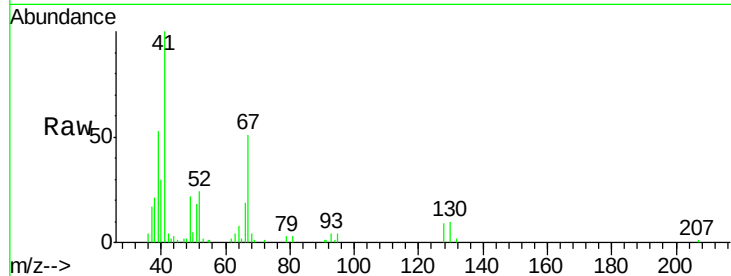
ClientSampleId :

VW0822SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	43.0	64.4	
67	58.9	47.5	71.3	
52	27.2	21.0	31.6	

Manual Integrations
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MMDadoda
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#42

1,2-Dichloroethane

Concen: 20.970 ug/l

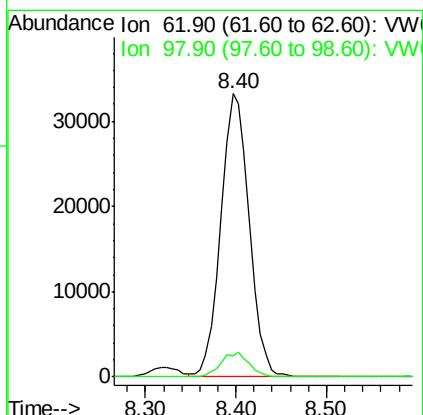
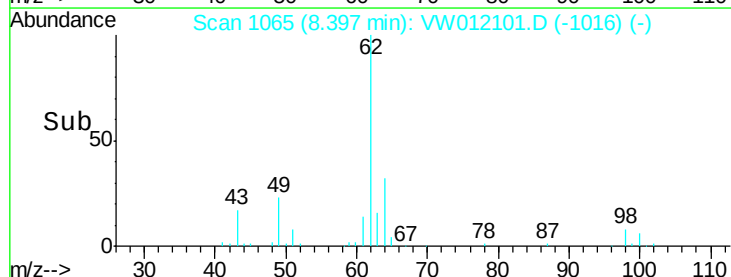
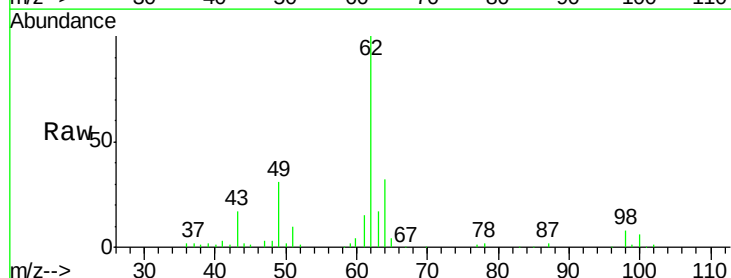
RT: 8.40 min Scan# 1065

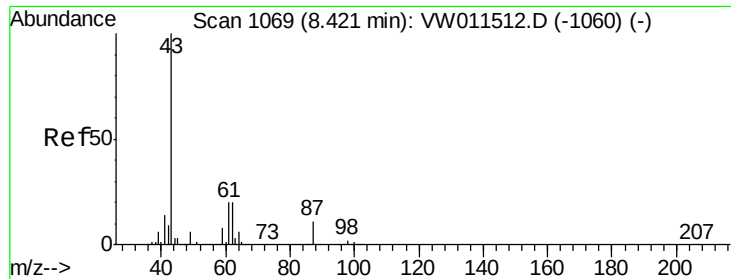
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.8	





#43

Isopropyl Acetate

Concen: 20.256 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

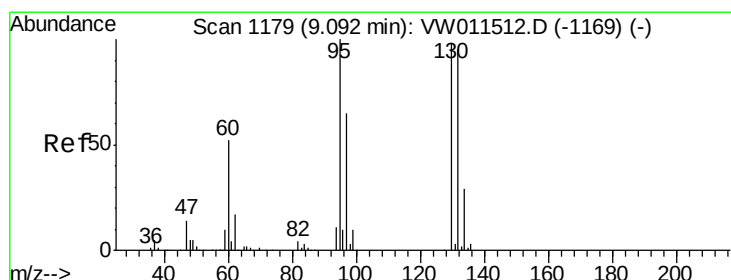
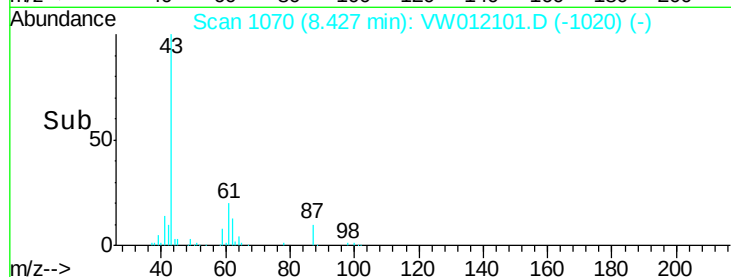
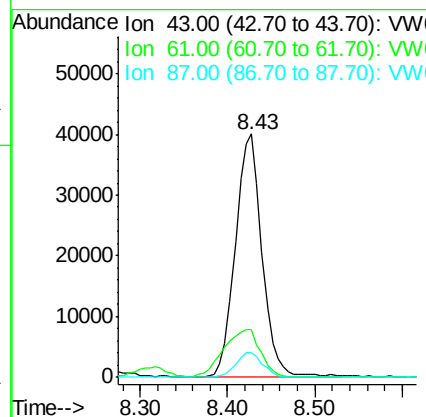
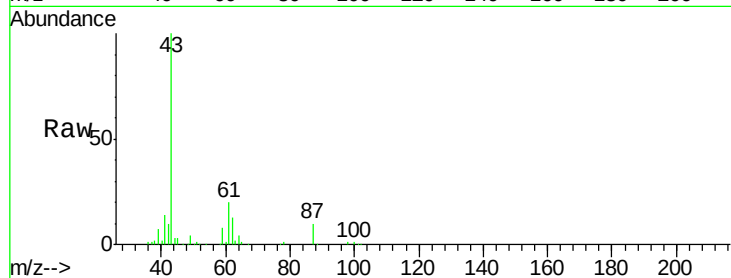
ClientSampled :

VW0822SBS01

Tot Ion:	43	Resp:	84519
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.5	32.3
87	10.3	8.4	12.6

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#44

Trichloroethene

Concen: 20.765 ug/l

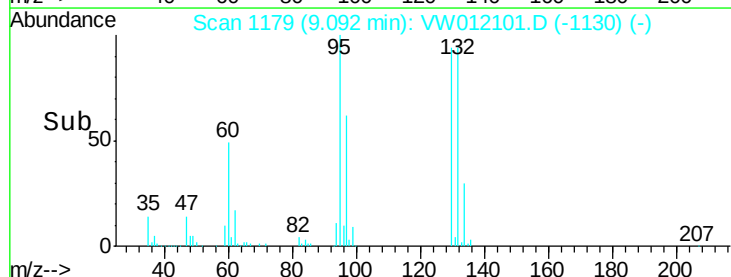
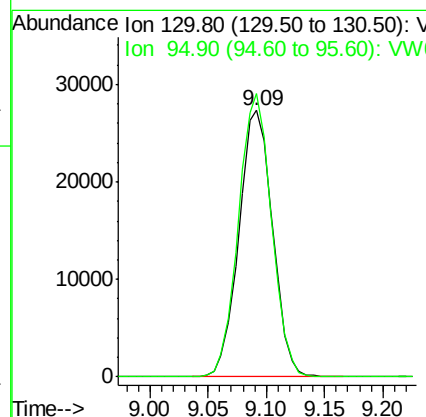
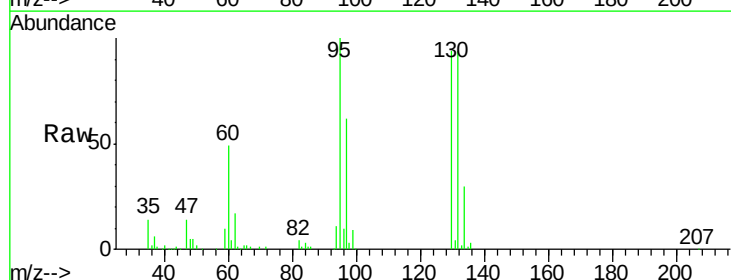
RT: 9.09 min Scan# 1179

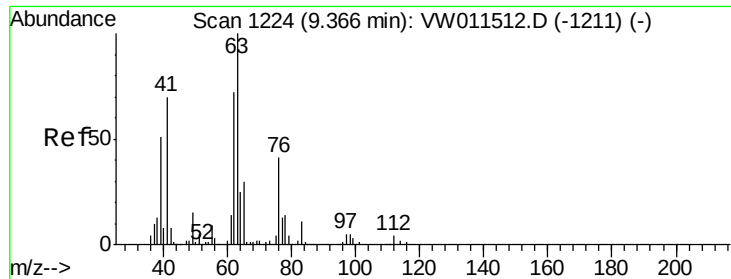
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	130	Resp:	55130
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	204.8





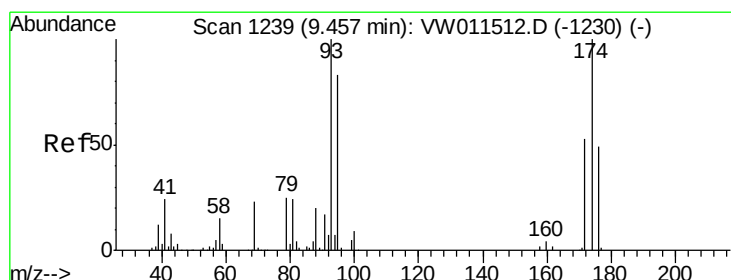
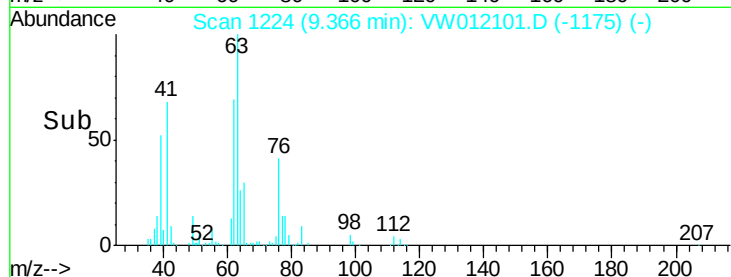
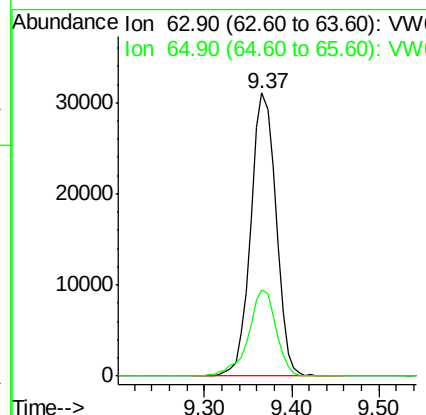
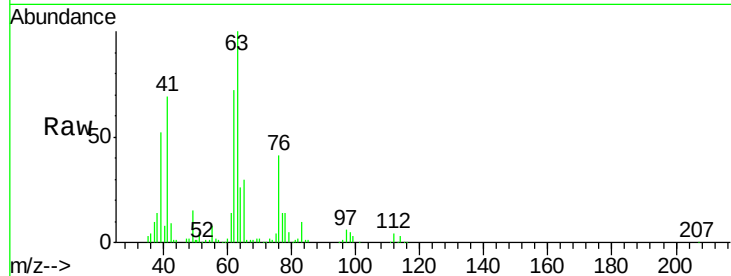
#45
 1,2-Dichloropropane
 Concen: 21.133 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampled :
 VW0822SBSD01

Tot Ion: 63 Resp: 62461
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.2 36.4

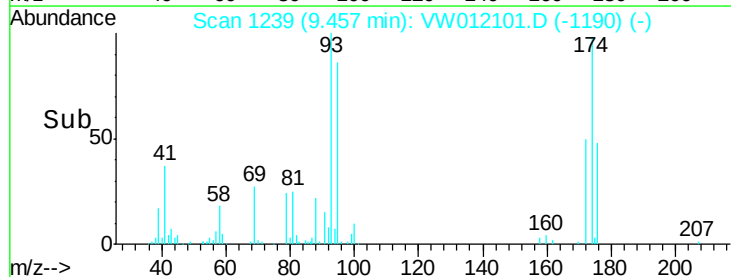
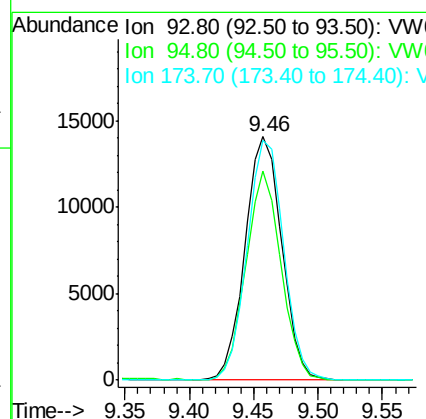
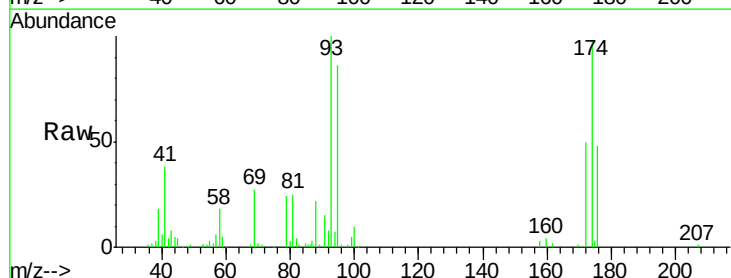
Manual Integrations
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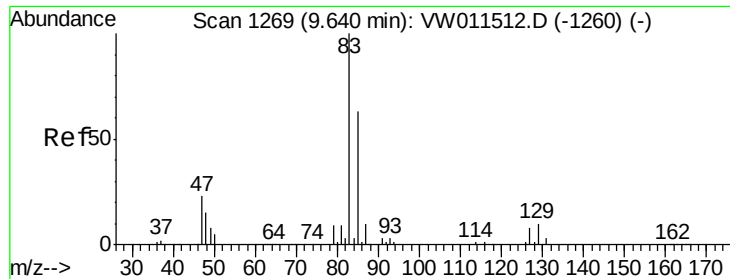
MMDadoda
 8/23/2019 10:54:58 AM



#46
 Dibromomethane
 Concen: 20.567 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion: 93 Resp: 27744
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.2 99.2
 174 97.6 78.2 117.4





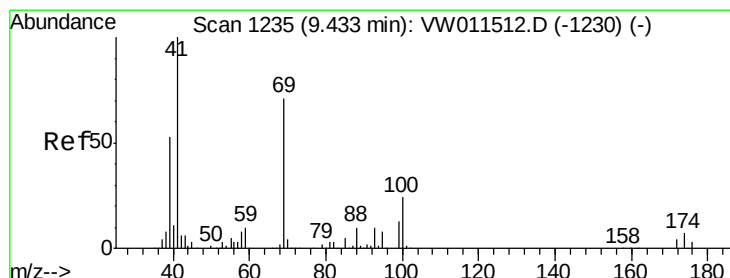
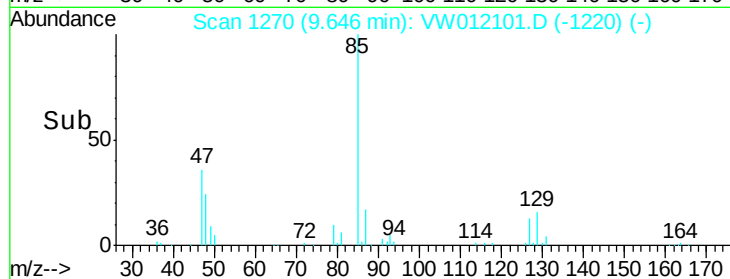
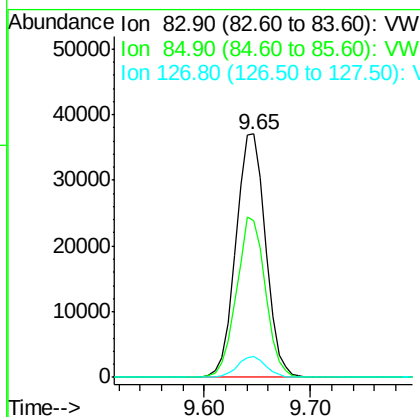
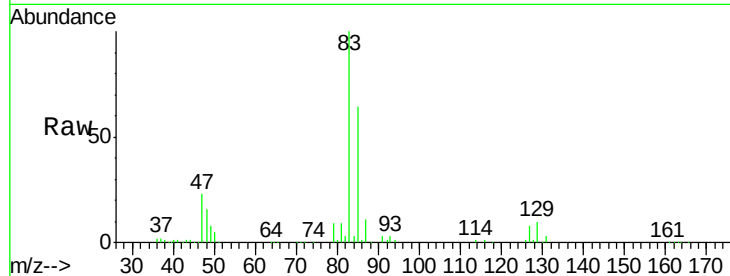
#47
Bromodichloromethane
Concen: 20.574 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	83	Resp	72804
Ion Ratio	100	Lower	Upper
85	64.4	50.5	75.7
127	8.5	6.4	9.6

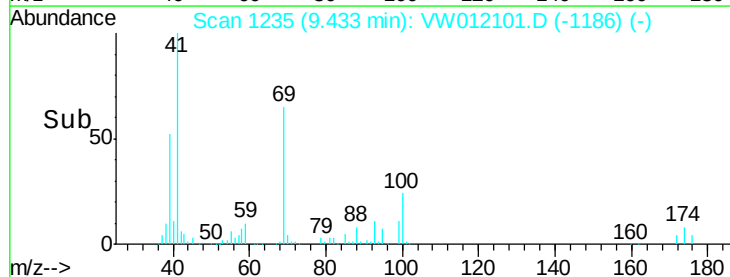
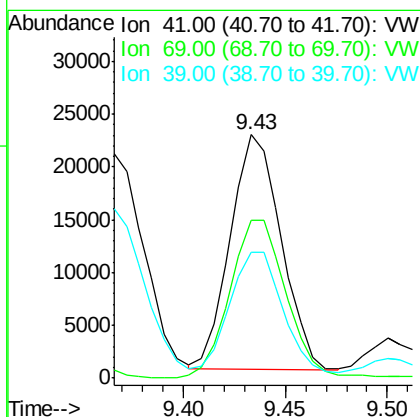
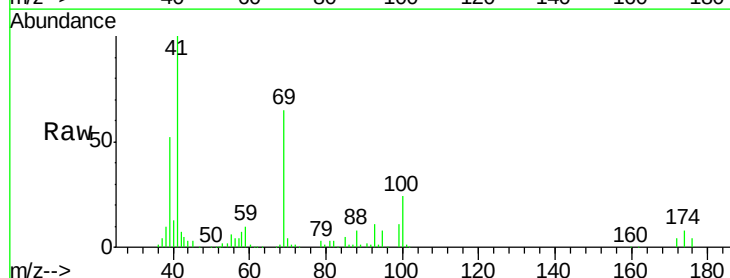
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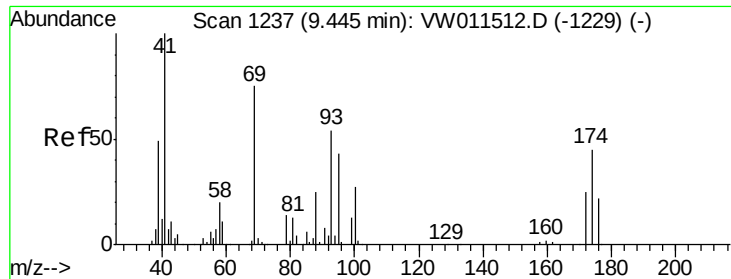
MMDadoda
8/23/2019 10:54:58 AM



#48
Methyl methacrylate
Concen: 19.167 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	41	Resp	38418
Ion Ratio	100	Lower	Upper
69	75.7	57.1	85.7
39	52.8	45.4	68.2





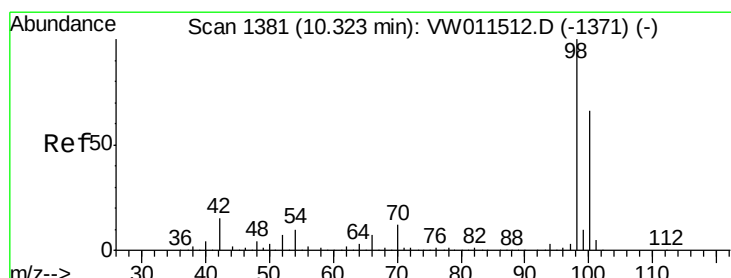
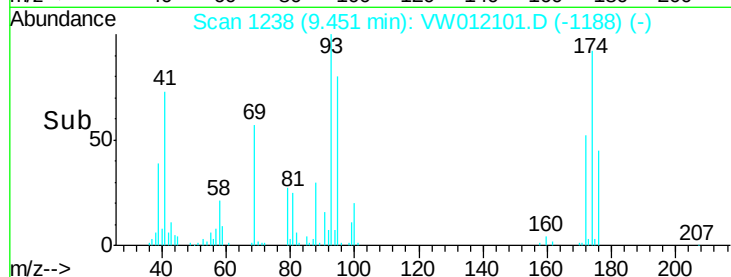
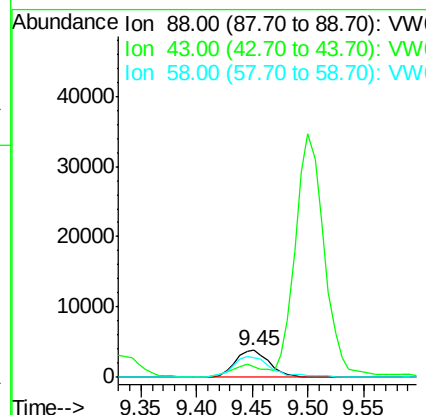
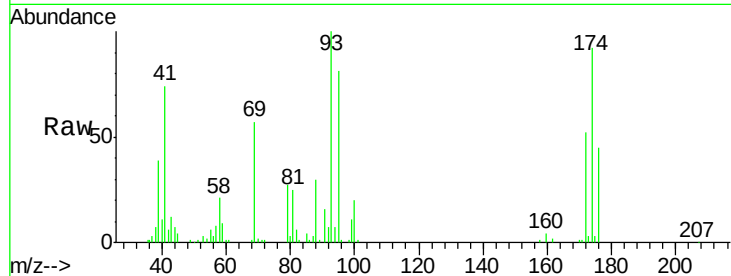
#49
1,4-Dioxane
Concen: 426.520 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion	88	Resp	8331
Ion	Ratio	Lower	Upper
88	100		
43	38.7	34.0	51.0
58	84.1	69.7	104.5

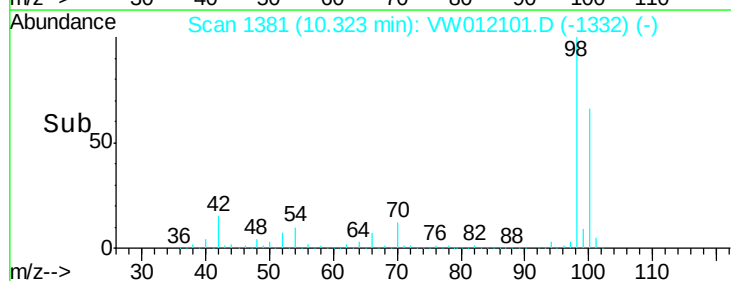
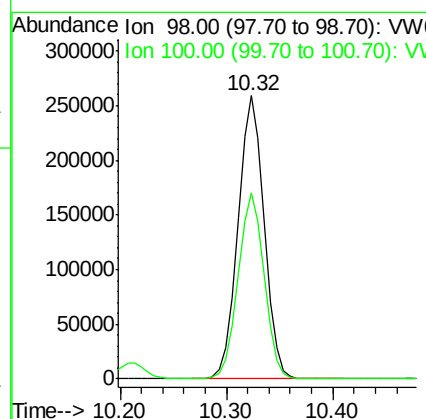
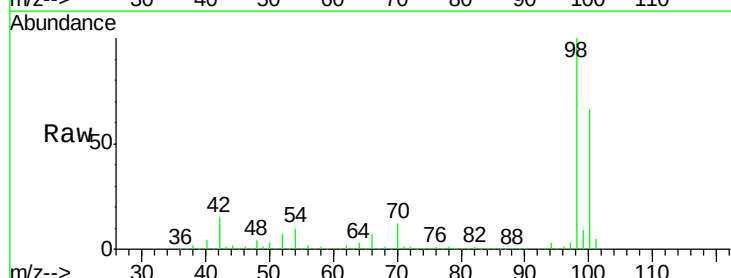
Manual Integrations
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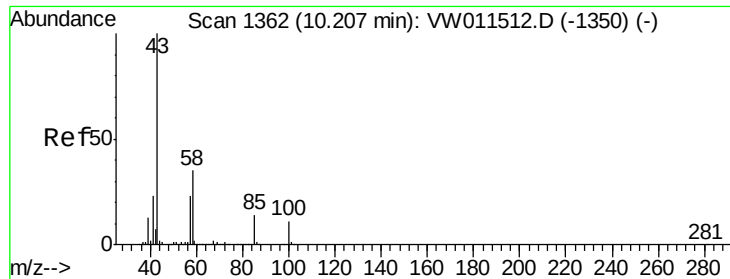
MMDadoda
8/23/2019 10:54:58 AM



#50
Toluene-d8
Concen: 51.082 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	98	Resp	444999
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 99.403 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBSD01

Tot Ion: 43 Resp: 215740

Ion Ratio Lower Upper

43 100

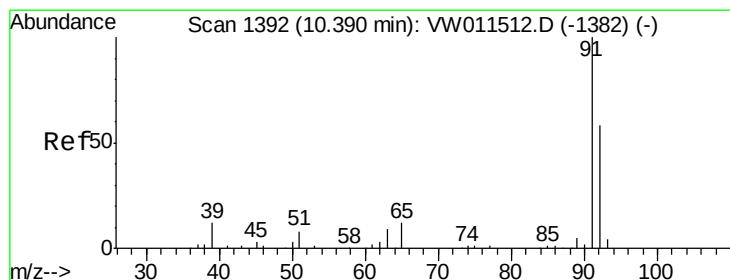
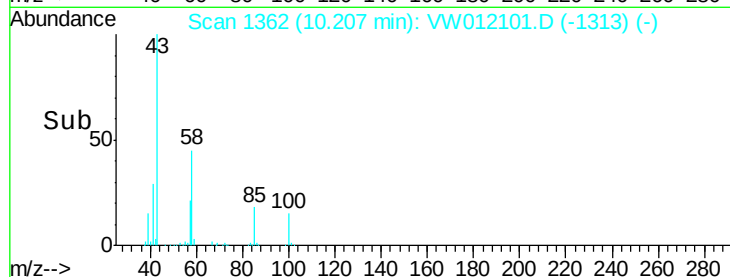
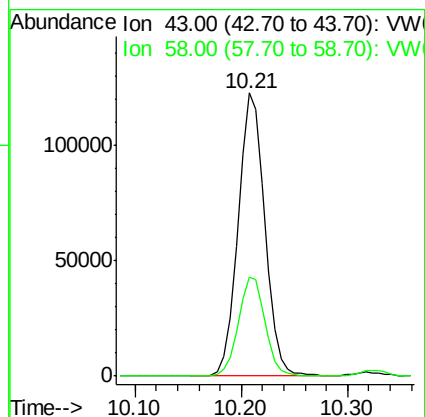
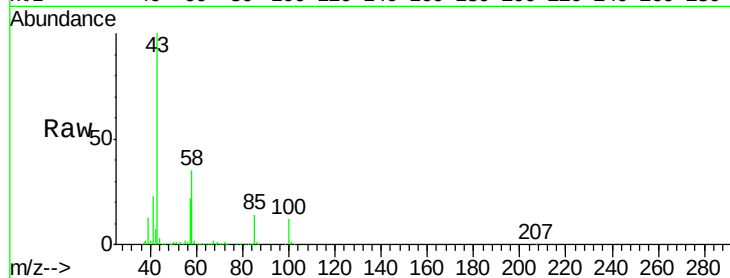
58 35.1 28.2 42.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.922 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012101.D

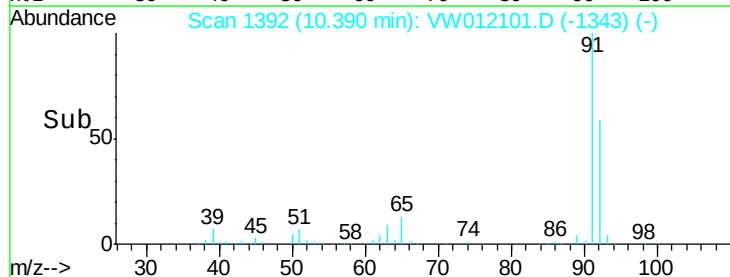
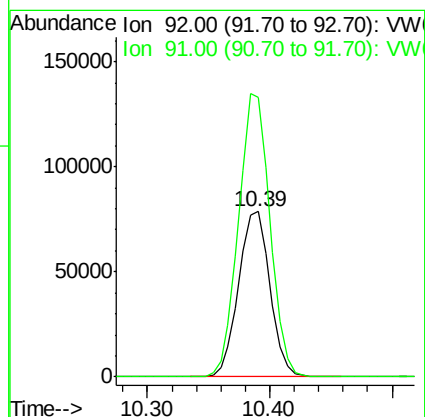
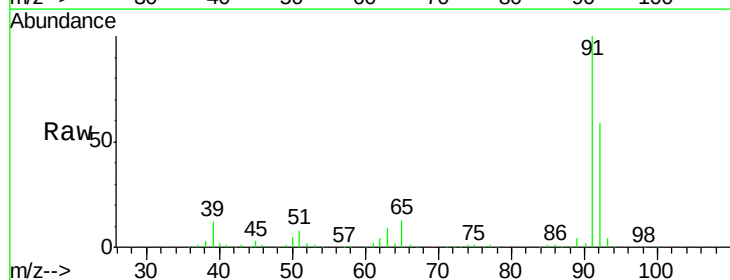
Acq: 22 Aug 2019 11:06

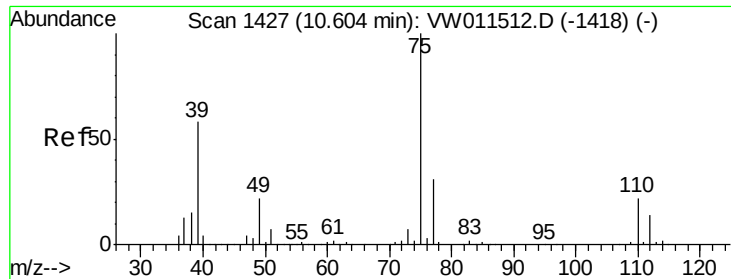
Tgt Ion: 92 Resp: 139564

Ion Ratio Lower Upper

92 100

91 172.2 136.7 205.1





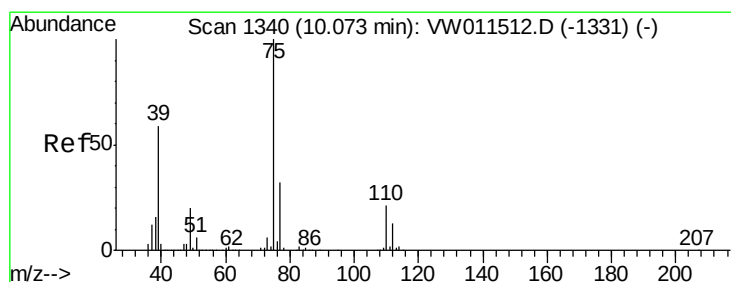
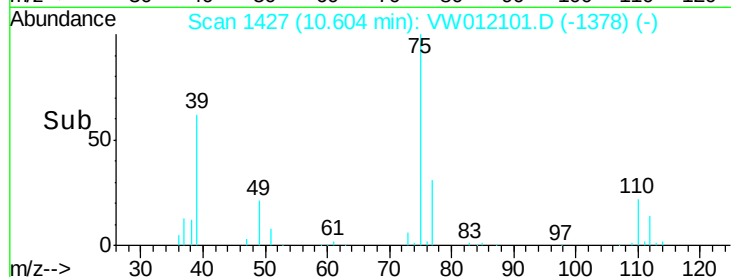
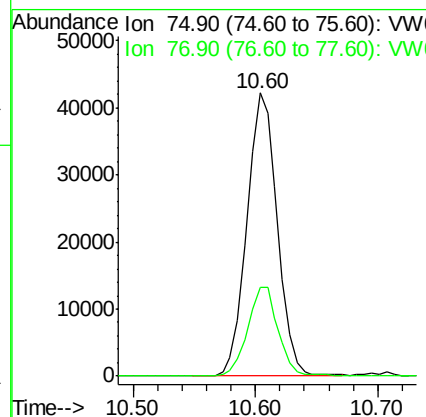
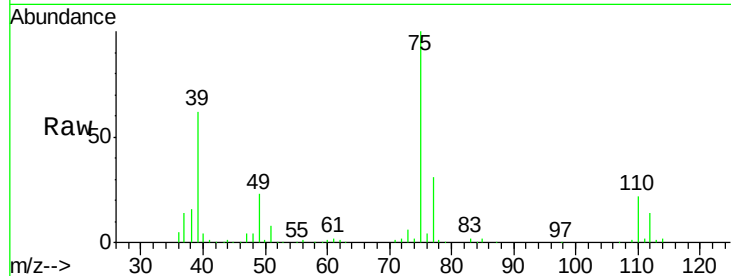
#53
t-1,3-Dichloropropene
Concen: 19.692 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion: 75 Resp: 72789
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

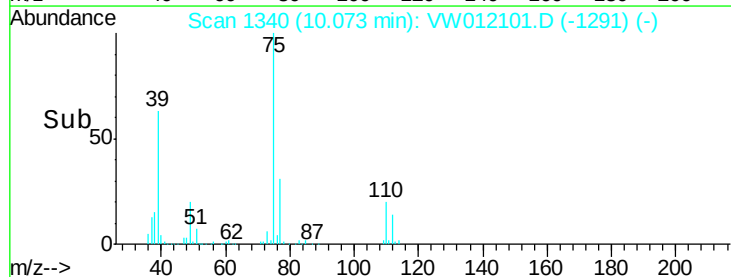
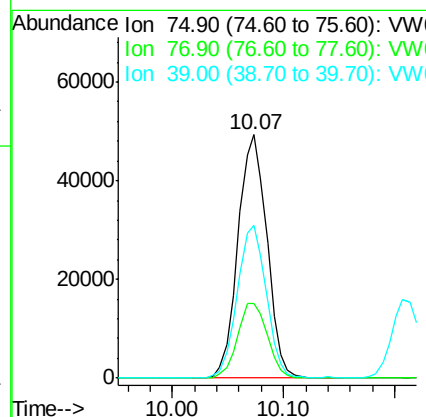
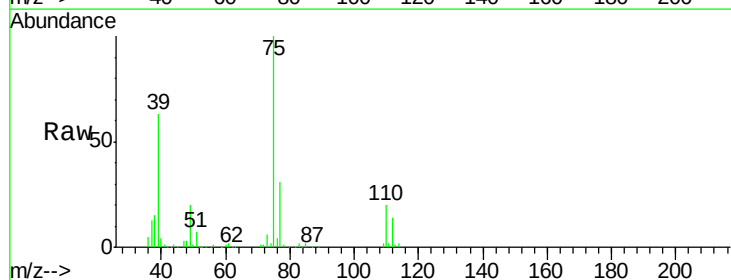
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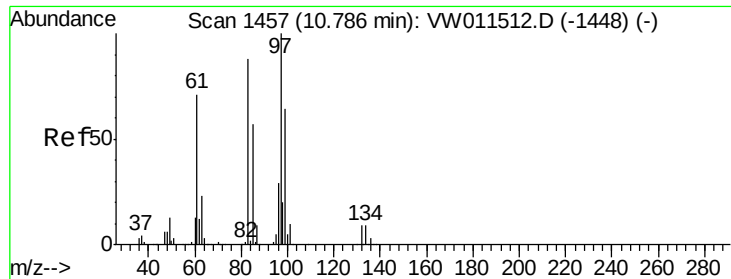
MMDadoda
8/23/2019 10:54:58 AM



#54
cis-1,3-Dichloropropene
Concen: 20.197 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion: 75 Resp: 88767
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 62.5 47.0 70.4





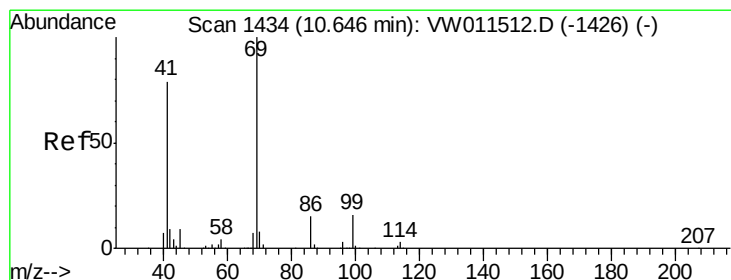
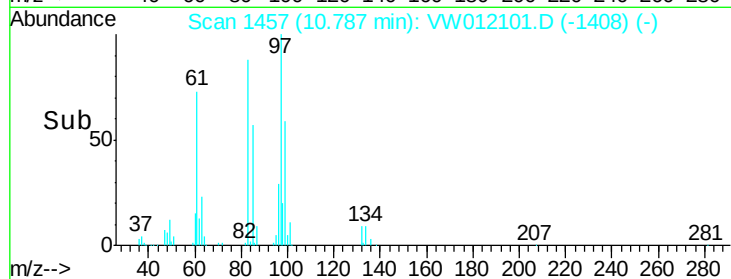
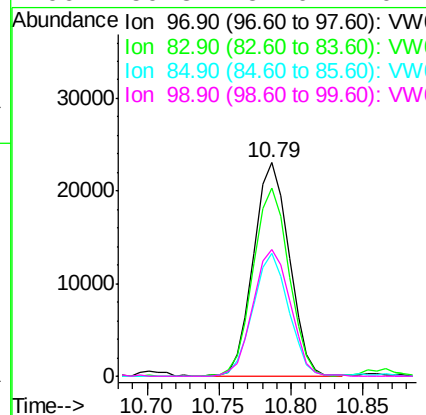
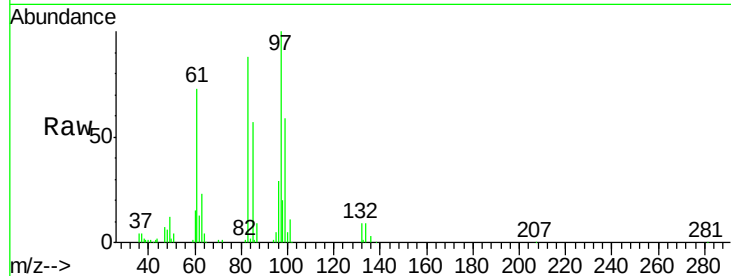
#55
 1,1,2-Trichloroethane
 Concen: 20.795 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion:	97	Resp:	39802
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	57.3	45.8	68.6
99	59.3	51.0	76.4

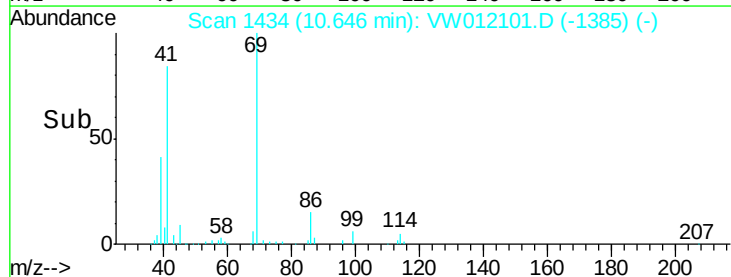
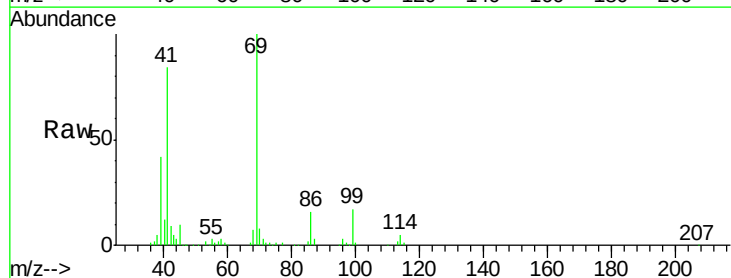
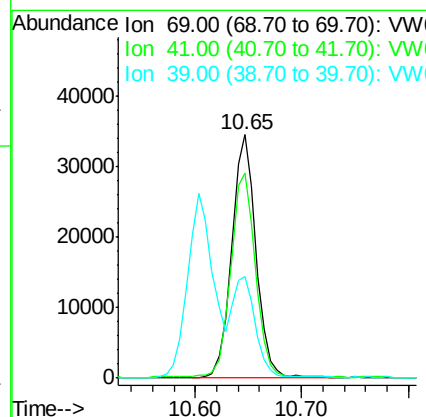
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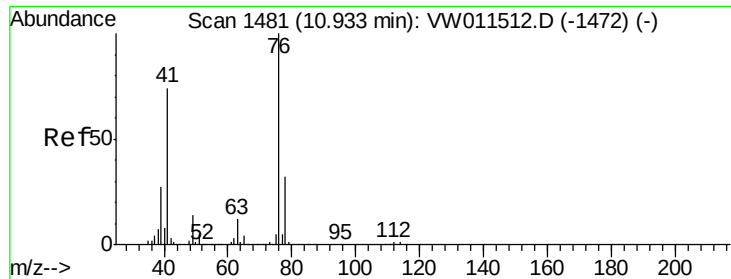
MMDadoda
 8/23/2019 10:54:58 AM



#56
 Ethyl methacrylate
 Concen: 19.679 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion:	69	Resp:	55116
Ion	Ratio	Lower	Upper
69	100		
41	86.5	66.6	99.8
39	39.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.737 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBS01

Tot Ion: 76 Resp: 75092

Ion Ratio Lower Upper

76 100

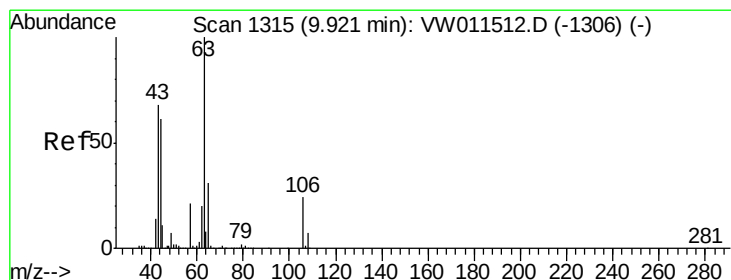
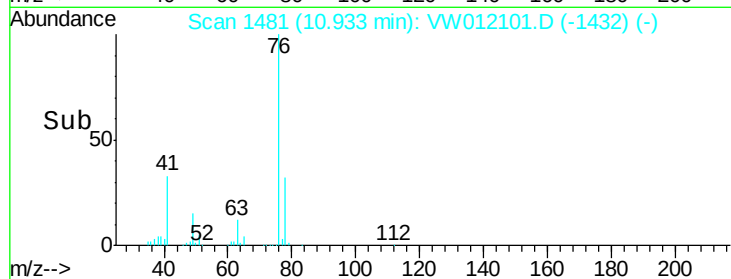
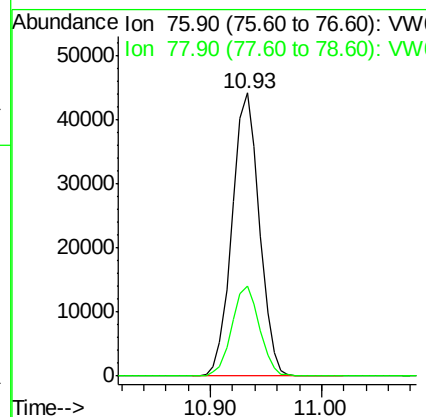
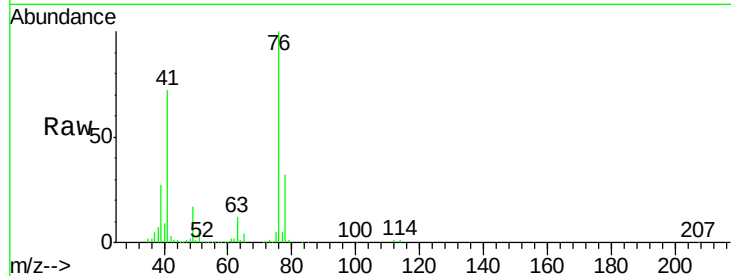
78 32.2 25.2 37.8

Manual Integrations

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MMDadoda

8/23/2019 10:54:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 117.346 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012101.D

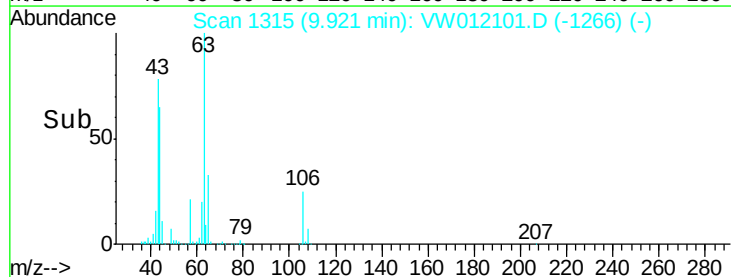
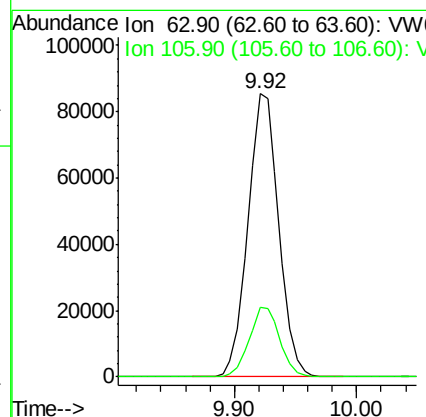
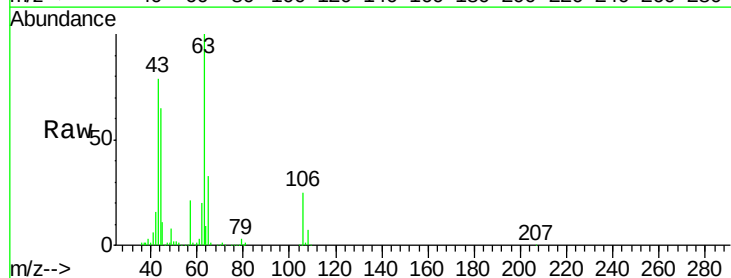
Acq: 22 Aug 2019 11:06

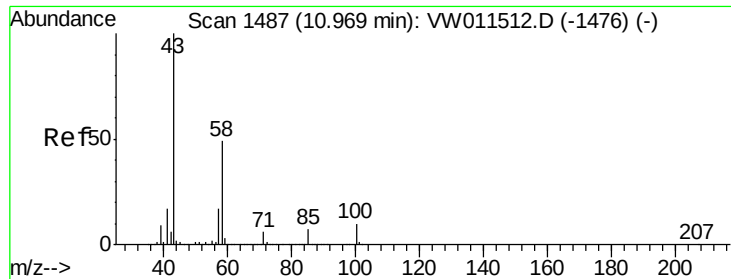
Tgt Ion: 63 Resp: 149227

Ion Ratio Lower Upper

63 100

106 24.4 19.7 29.5





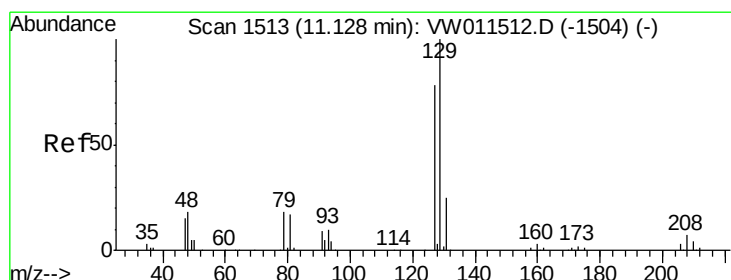
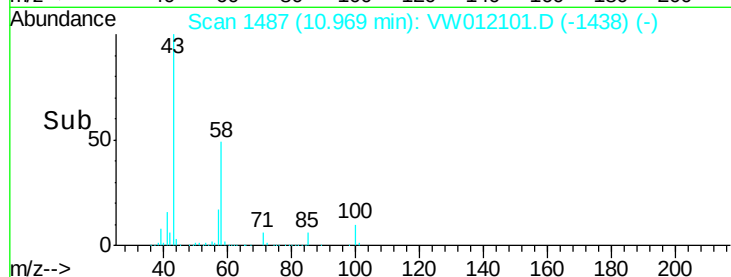
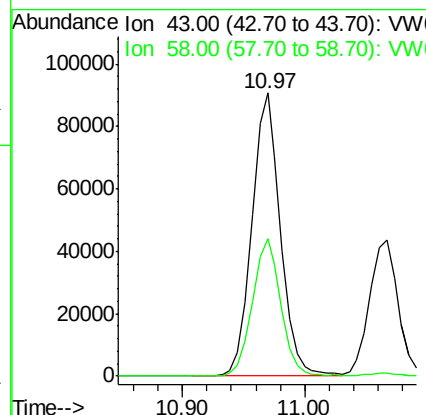
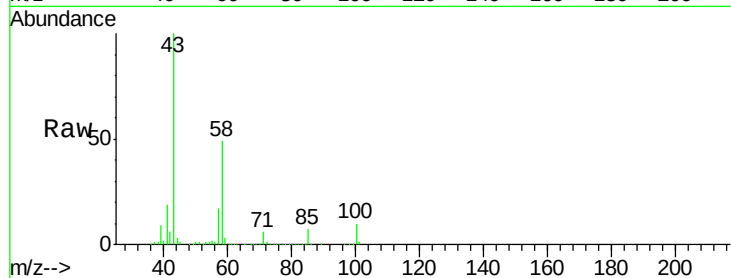
#59
2-Hexanone
Concen: 95.747 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampled :
VW0822SBSD01

Tot Ion	43	Resp	146725
Ion Ratio	100	Lower	Upper
43	100		
58	48.5	24.3	72.9

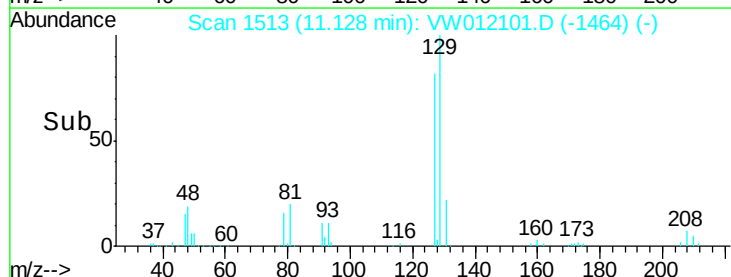
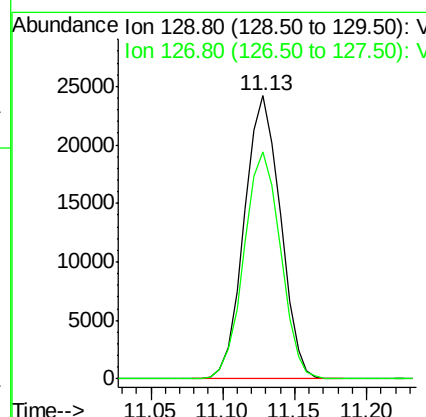
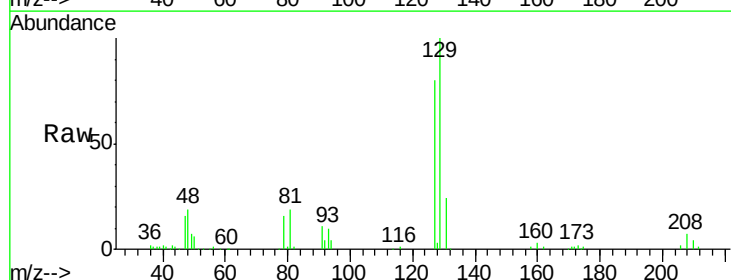
Manual Integrations
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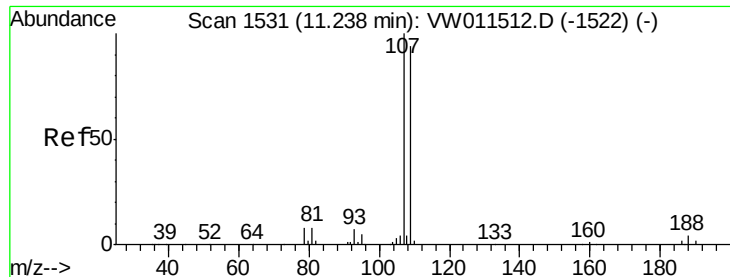
MMDadoda
8/23/2019 10:54:58 AM



#60
Dibromochloromethane
Concen: 19.846 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	129	Resp	42165
Ion Ratio	100	Lower	Upper
129	100		
127	81.1	38.9	116.7





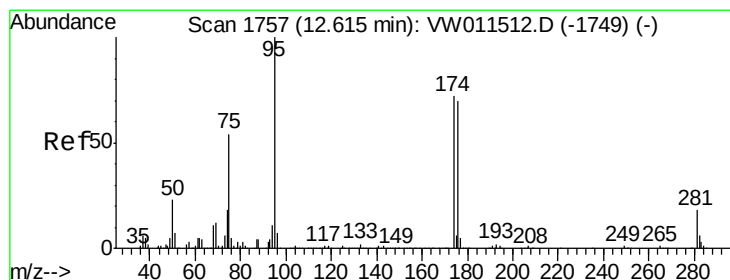
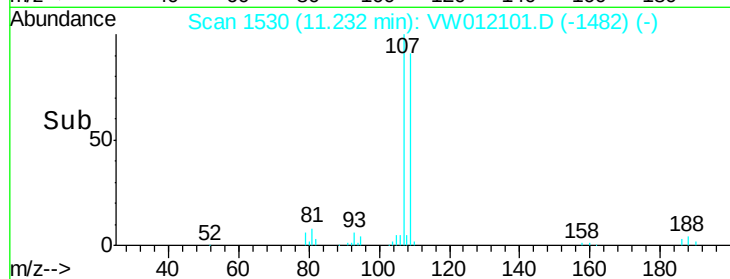
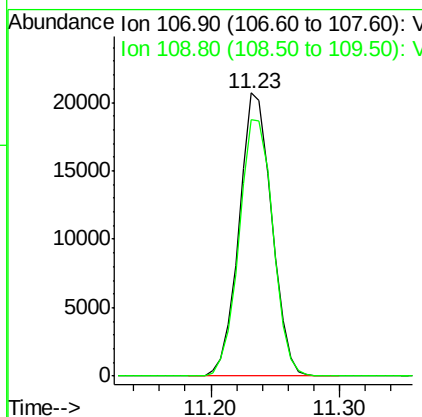
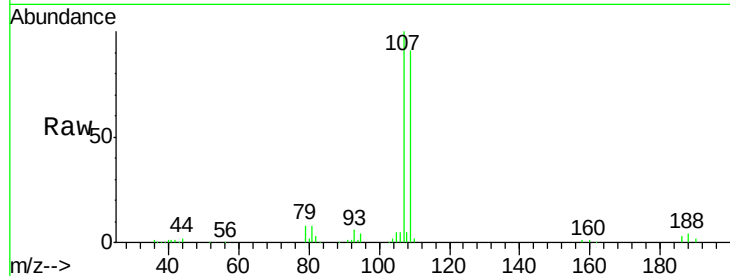
#61
 1,2-Dibromoethane
 Concen: 20.018 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.6

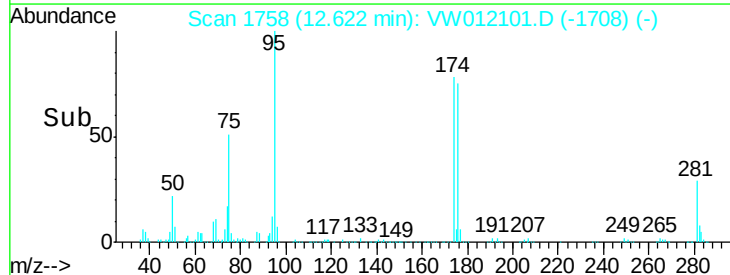
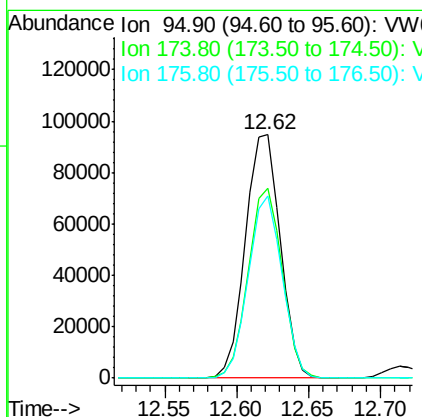
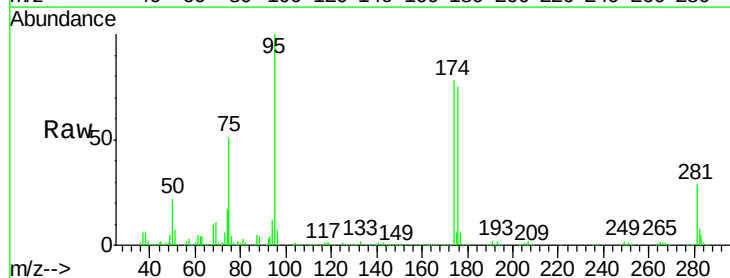
Manual Integrations
 APPROVED

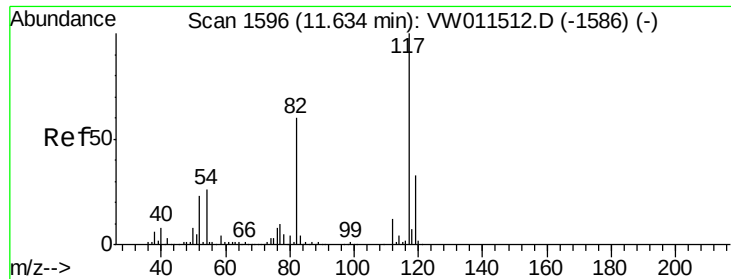
MMDadoda
 8/23/2019 10:54:58 AM



#62
 4-Bromofluorobenzene
 Concen: 51.194 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	150.2
176	72.3	0.0	144.4





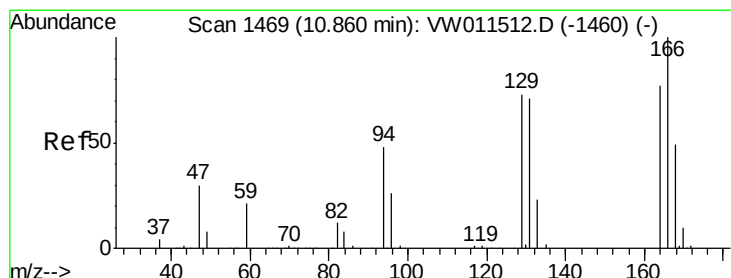
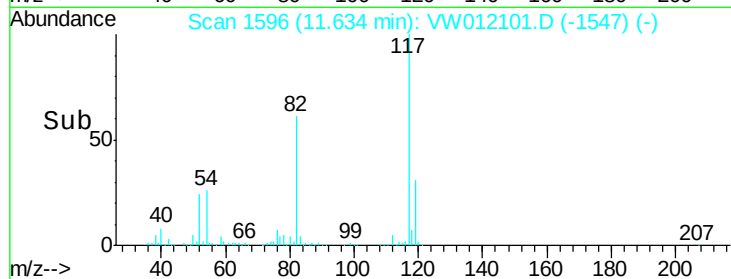
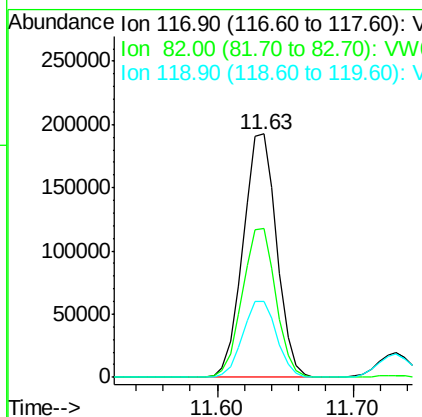
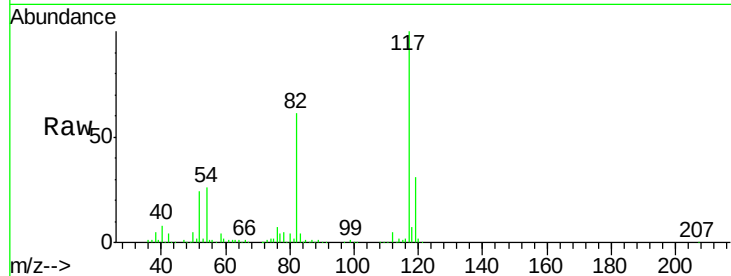
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333051		
82	61.0	47.9	71.9	
119	31.4	26.2	39.2	

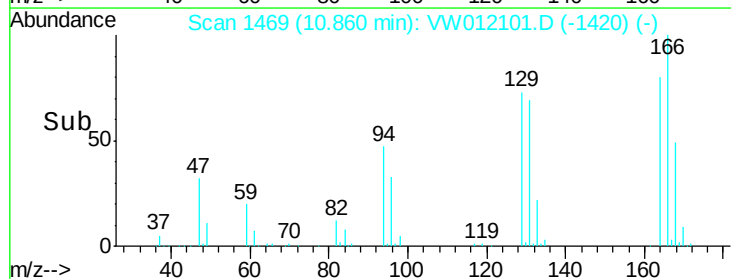
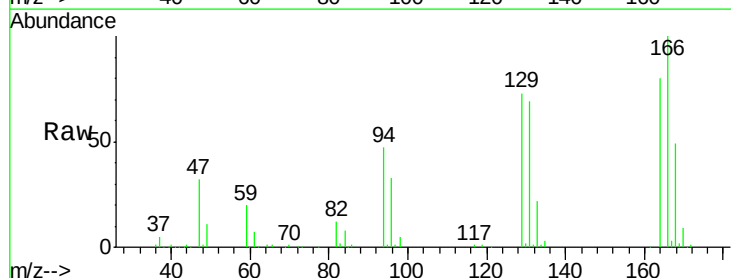
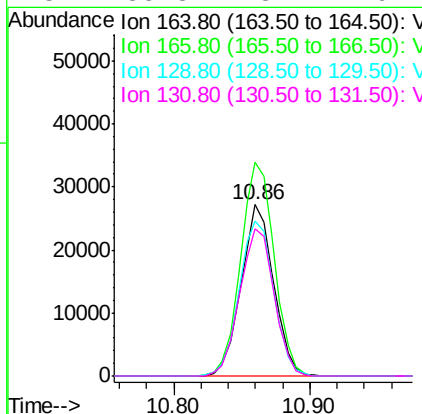
Manual Integrations
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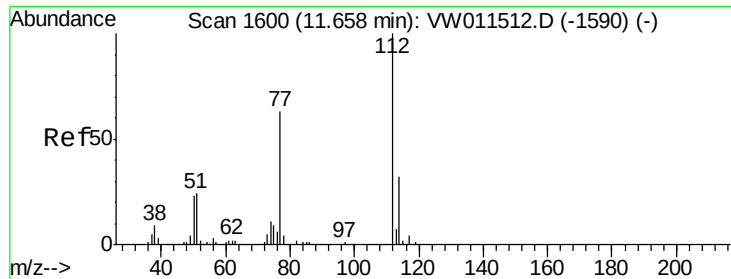
MMDadoda
8/23/2019 10:54:58 AM



#64
Tetrachloroethene
Concen: 20.853 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45220		
166	124.6	103.5	155.3	
129	90.4	75.2	112.8	
131	85.8	73.4	110.2	





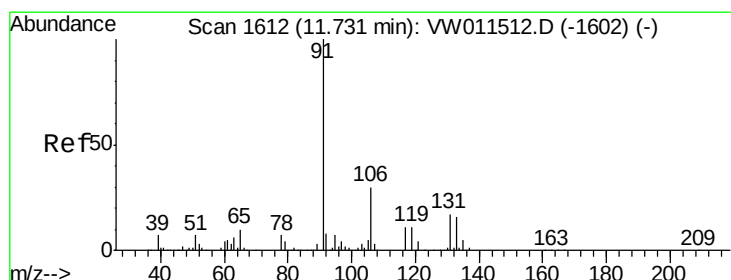
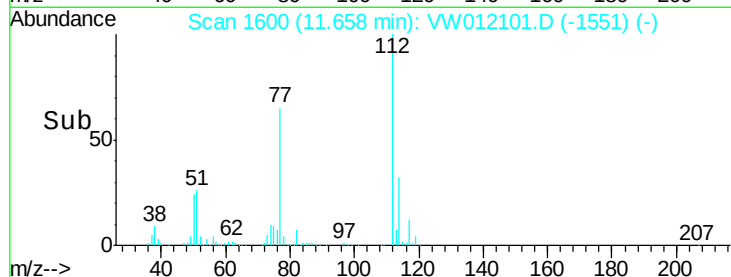
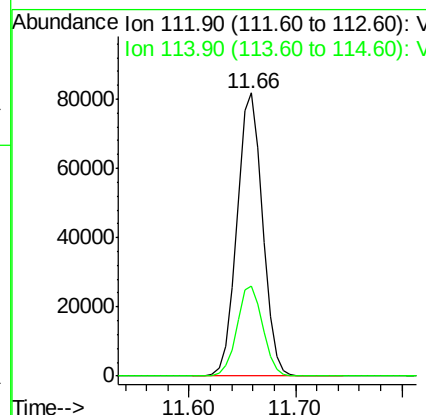
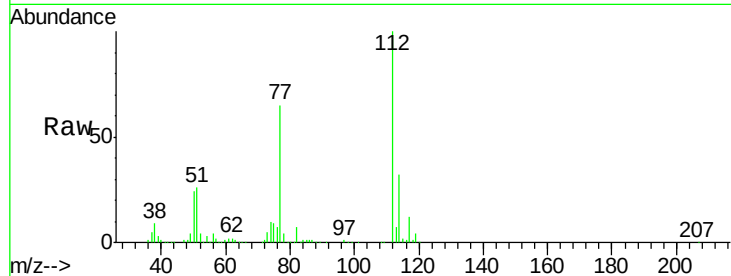
#65
Chlorobenzene
Concen: 20.619 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

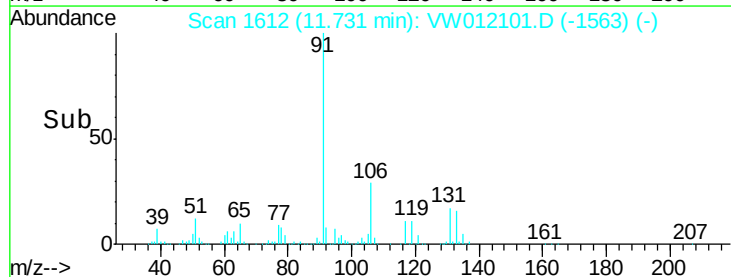
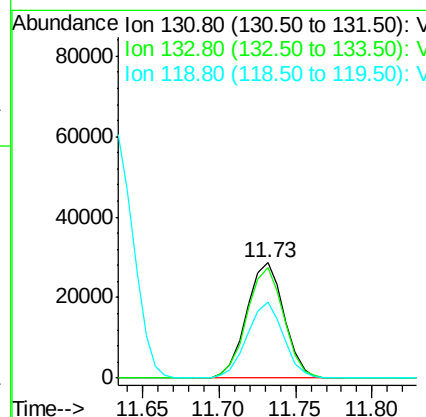
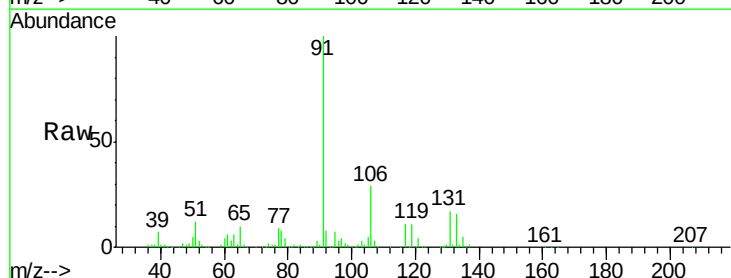
Manual Integrations
APPROVED

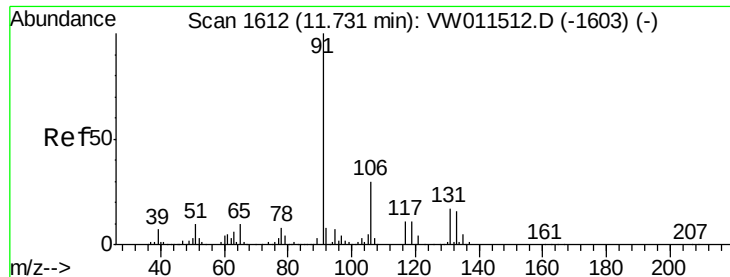
MMDadoda
8/23/2019 10:54:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.869 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.4	142.2
119	64.4	32.3	96.9





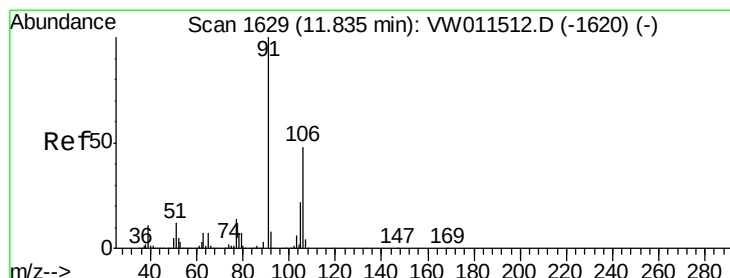
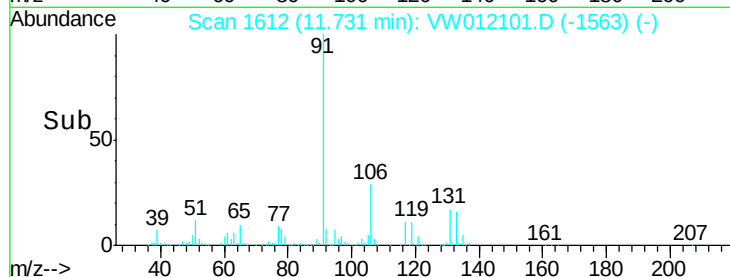
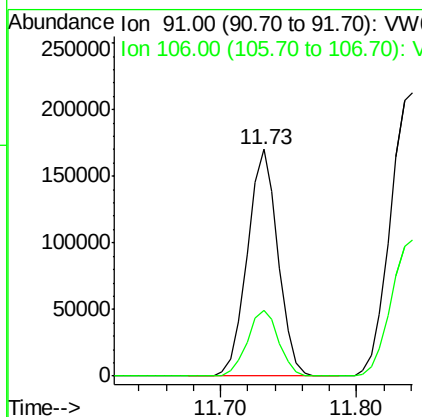
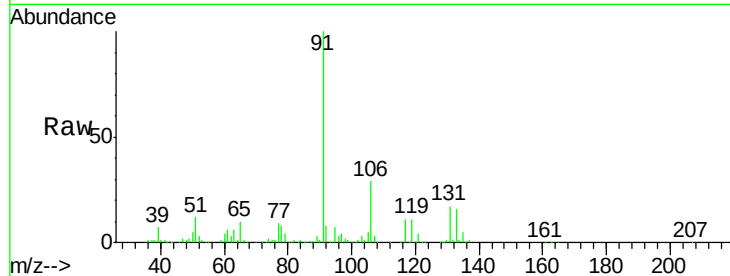
#67
Ethyl Benzene
Concen: 21.008 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.8	35.6

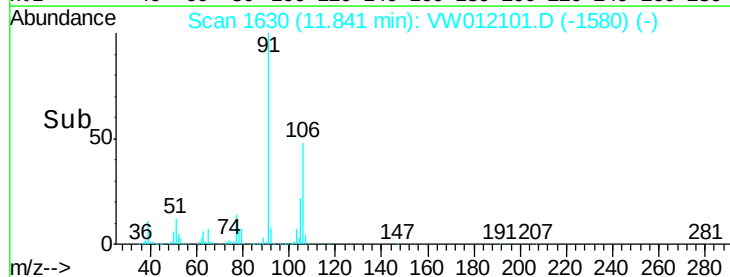
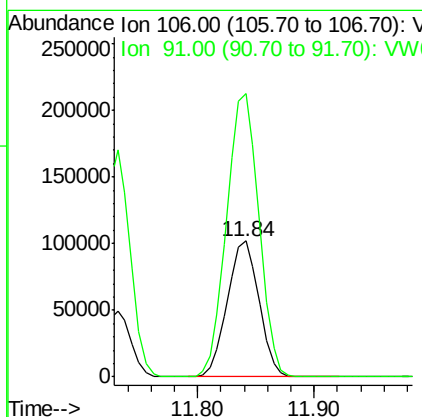
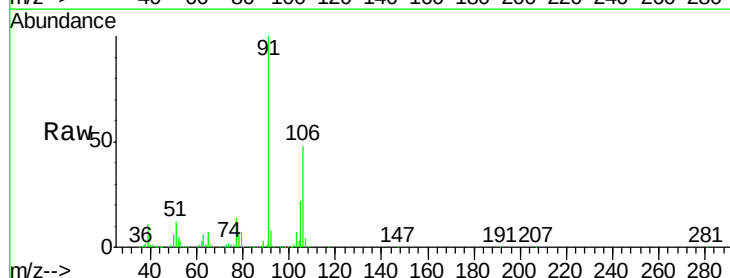
Manual Integrations
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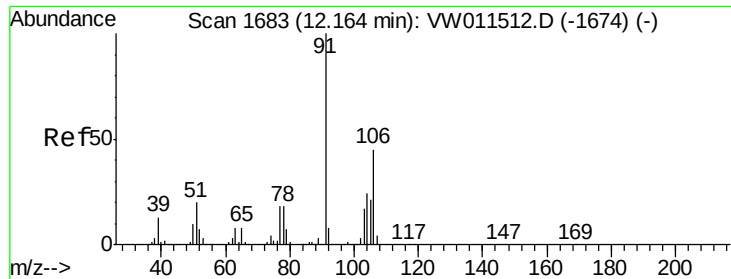
MMDadoda
8/23/2019 10:54:58 AM



#68
m/p-Xylenes
Concen: 41.808 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.3	168.2	252.2





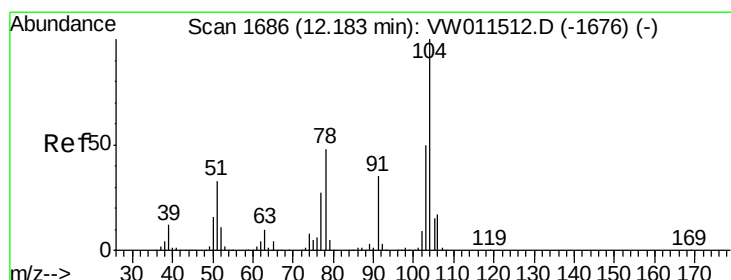
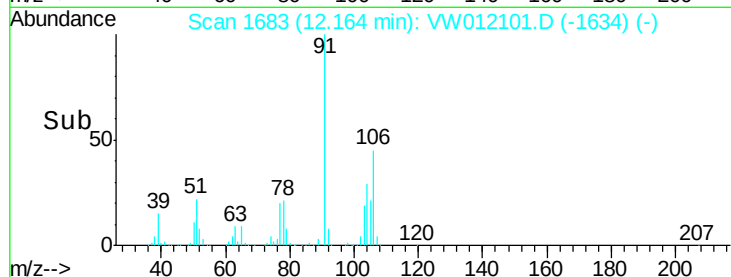
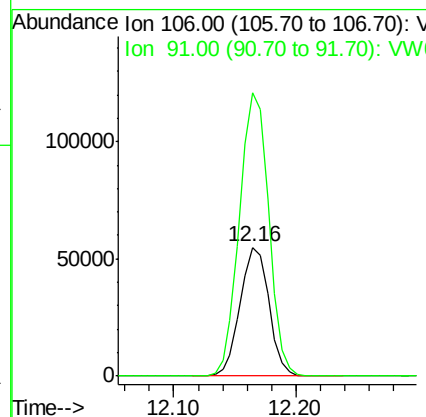
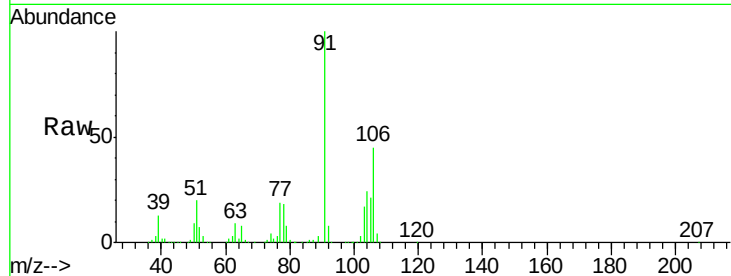
#69
o-Xylene
Concen: 20.847 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		89842		
91	223.2	110.5	331.5		

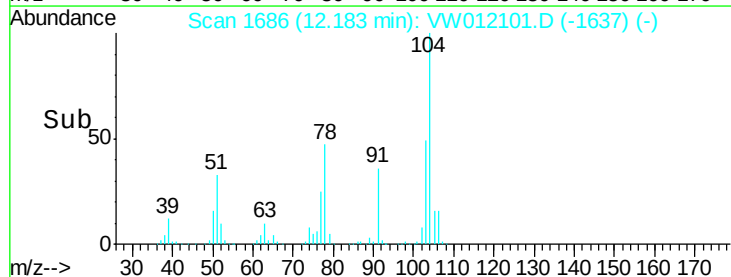
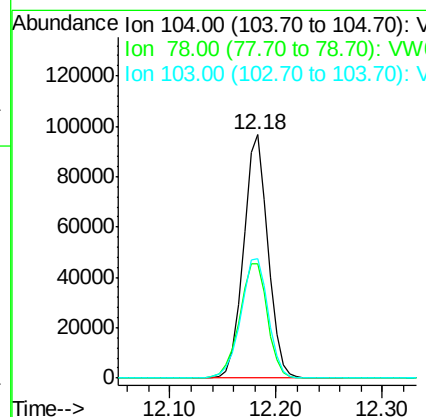
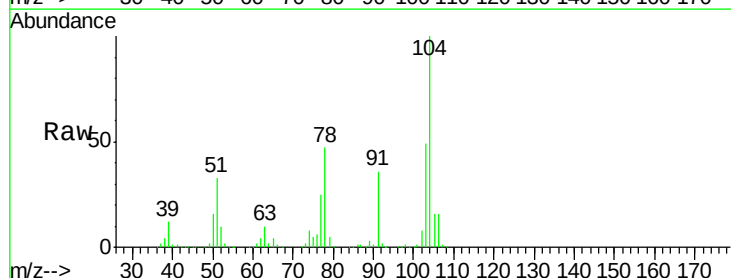
Manual Integrations
APPROVED

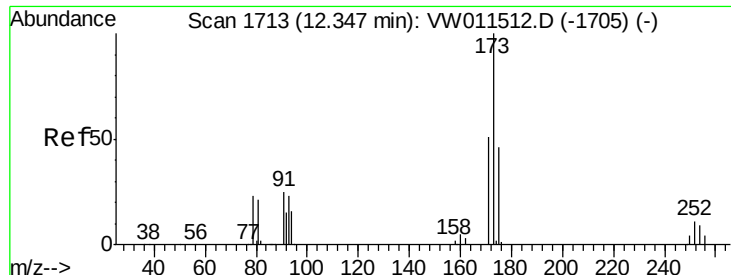
MMDadoda
8/23/2019 10:54:58 AM



#70
Styrene
Concen: 20.872 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		155523		
78	53.7	43.4	65.0		
103	55.3	43.9	65.9		





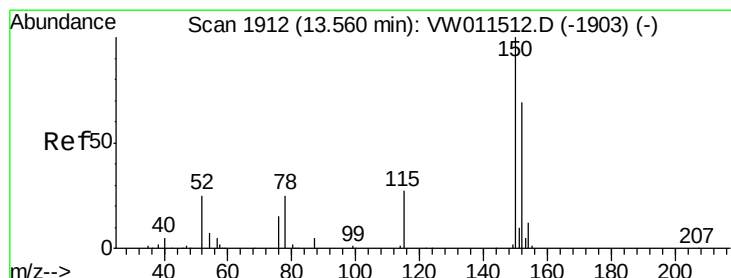
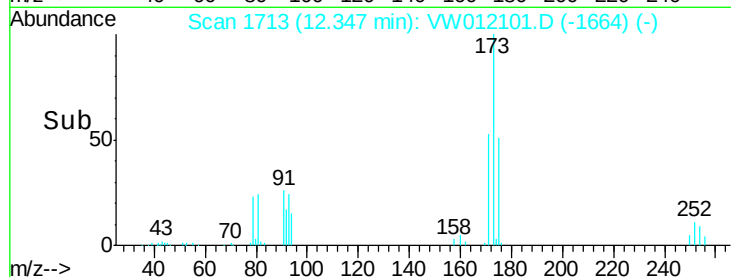
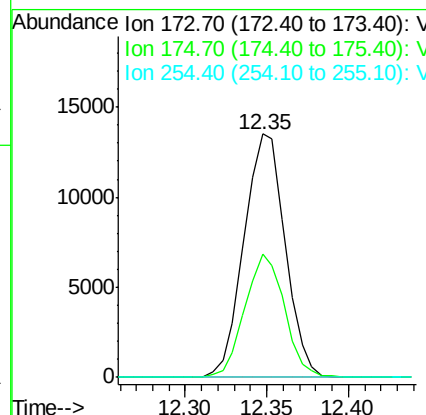
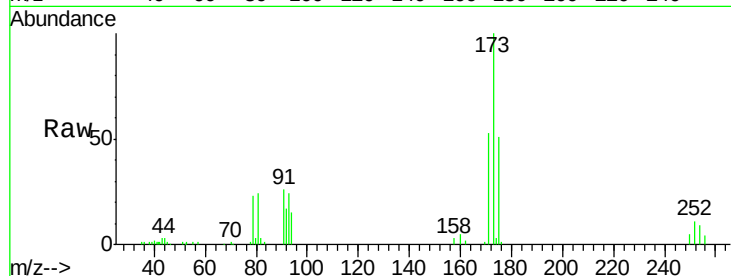
#71
Bromoform
Concen: 19.995 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampled :
VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	71.0
254	0.0	0.1	0.1#

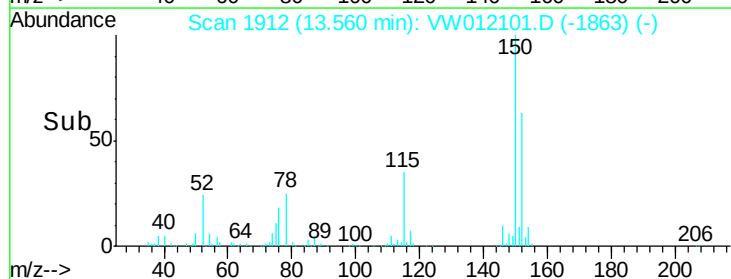
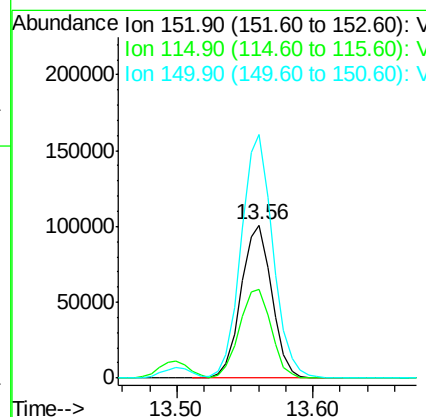
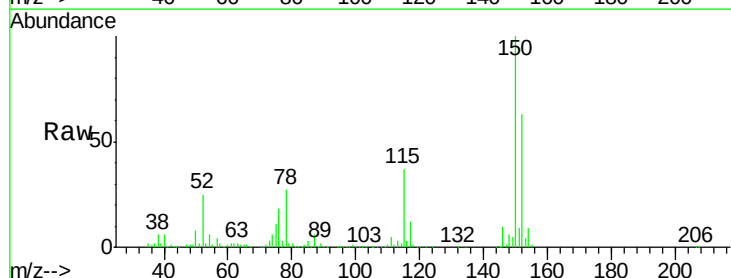
Manual Integrations
APPROVED

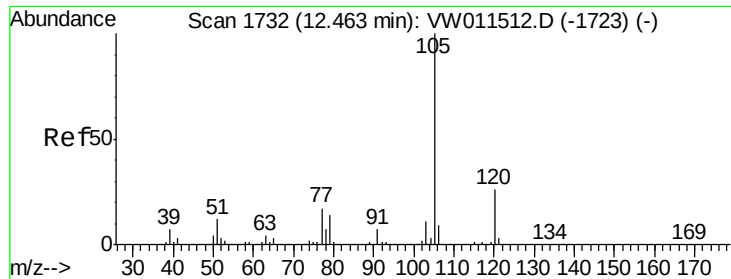
MMDadoda
8/23/2019 10:54:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.5	91.5
150	164.6	0.0	352.6





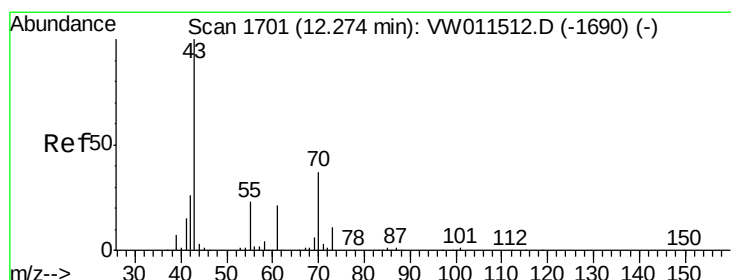
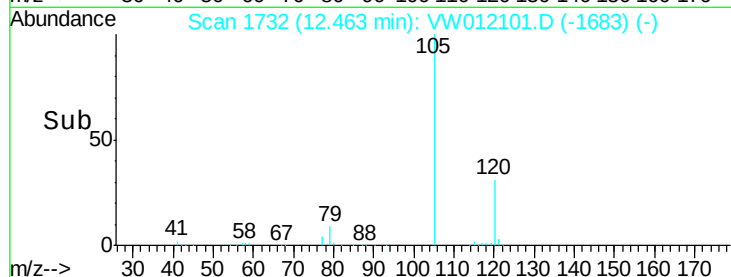
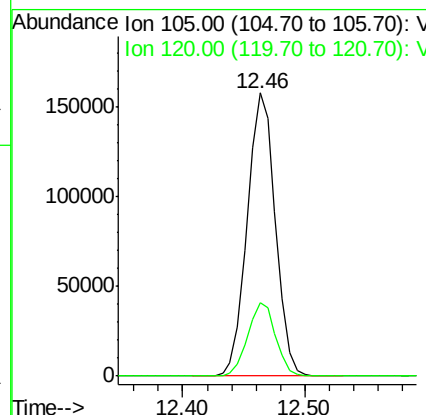
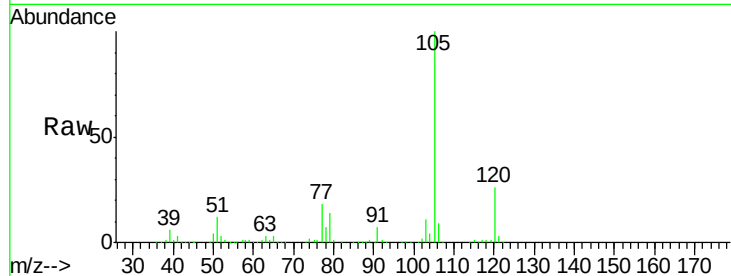
#73
Isopropylbenzene
Concen: 21.202 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

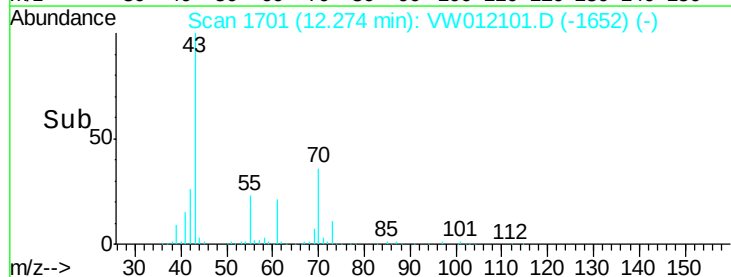
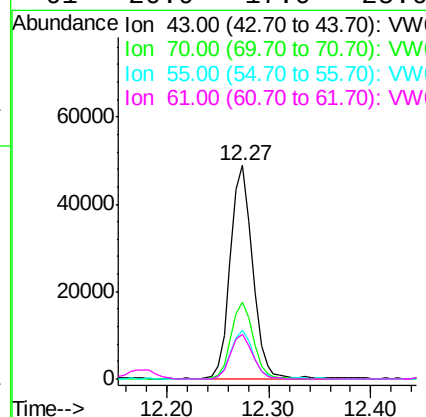
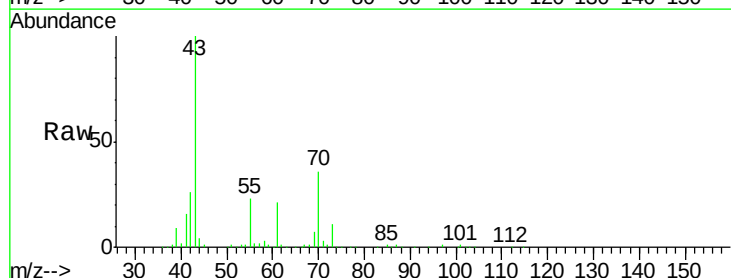
Manual Integrations
APPROVED

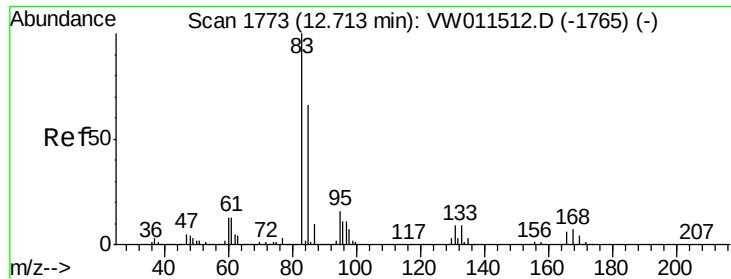
MMDadoda
8/23/2019 10:54:58 AM



#74
N-ethyl acetate
Concen: 19.907 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	28.6	43.0
55	23.0	17.8	26.8
61	20.9	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.893 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

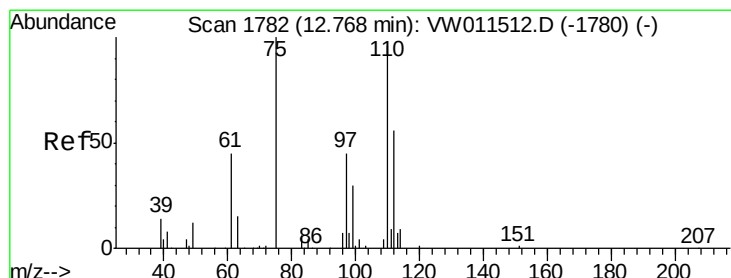
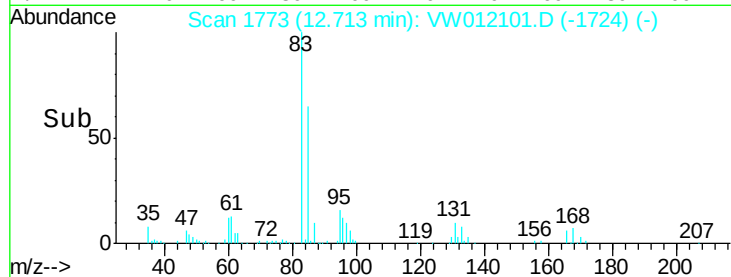
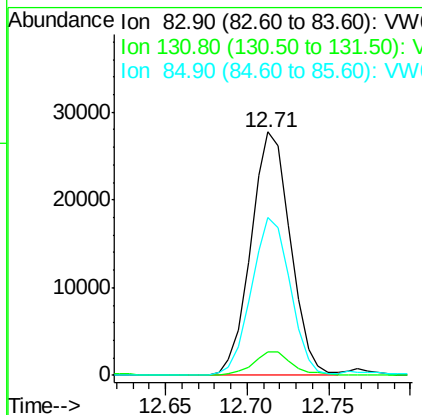
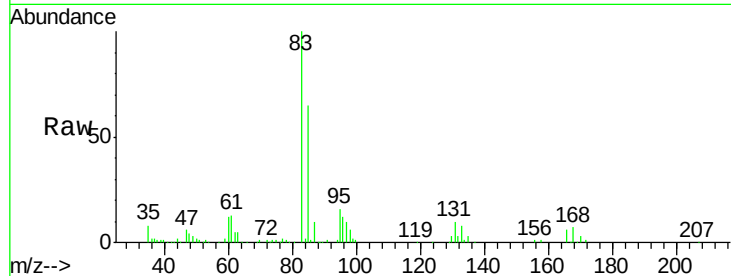
ClientSampleId :

VW0822SBSD01

Tot Ion:	83	Resp:	46586
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	63.9	31.8	95.4

Manual Integrations
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MMDadoda
8/23/2019 10:54:58 AM



#76

1,2,3-Trichloropropane

Concen: 19.126 ug/l m

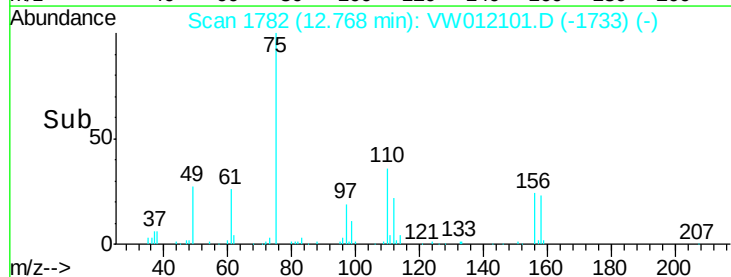
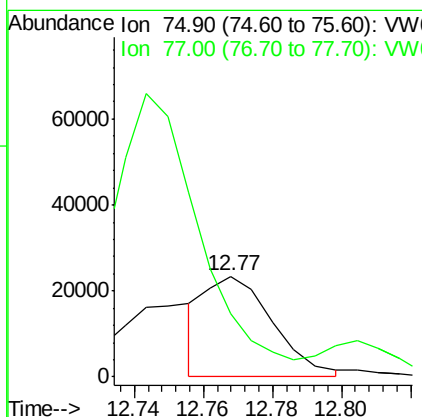
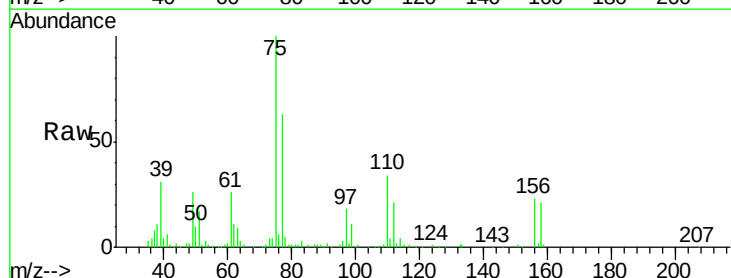
RT: 12.77 min Scan# 1782

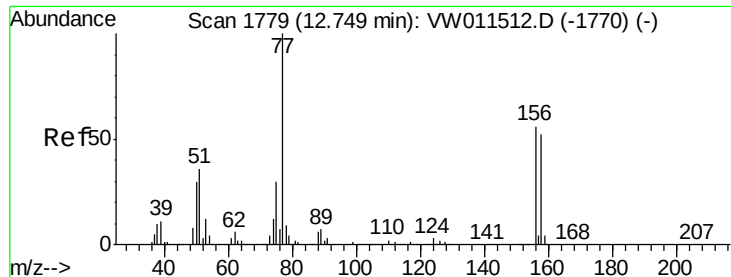
Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Tgt Ion:	75	Resp:	32157
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.229 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VW0822SBSD01

Tot Ion:156 Resp: 55623

Ion Ratio Lower Upper

156 100

77 213.6 106.5 319.4

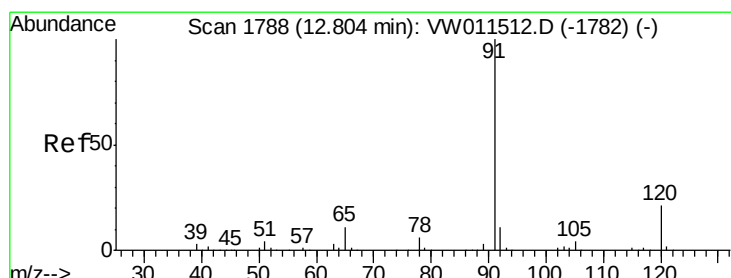
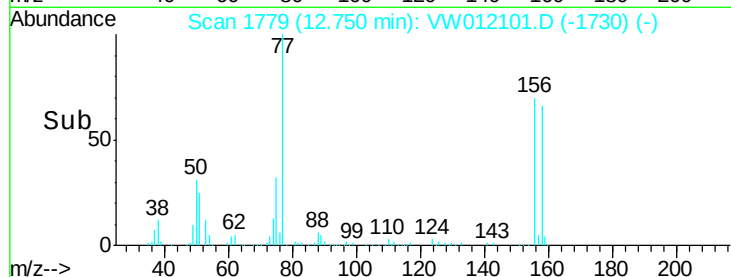
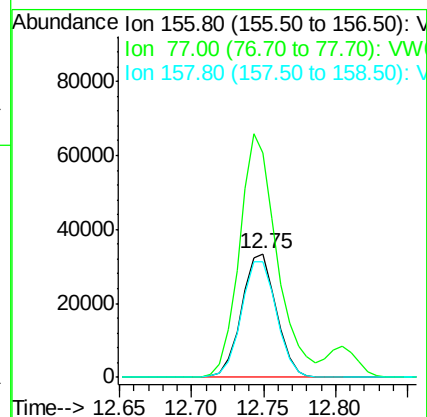
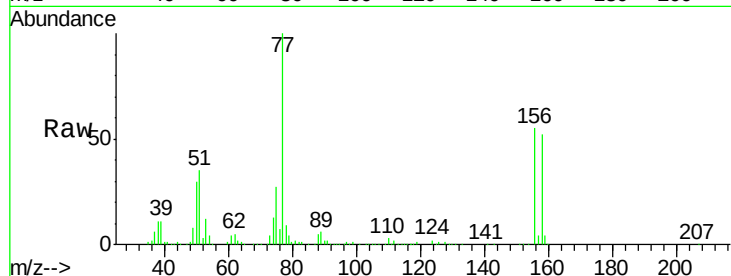
158 95.6 48.0 144.2

Manual Integrations

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#78

n-propylbenzene

Concen: 21.510 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012101.D

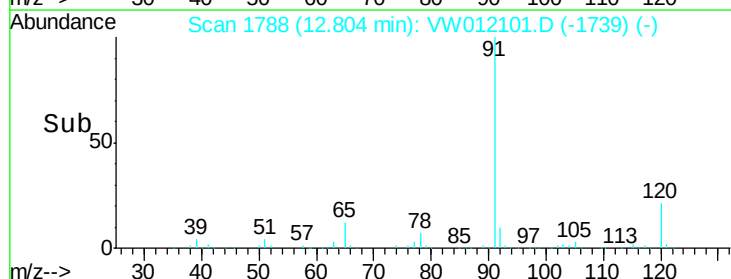
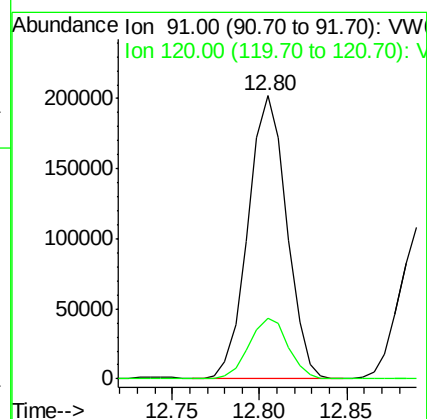
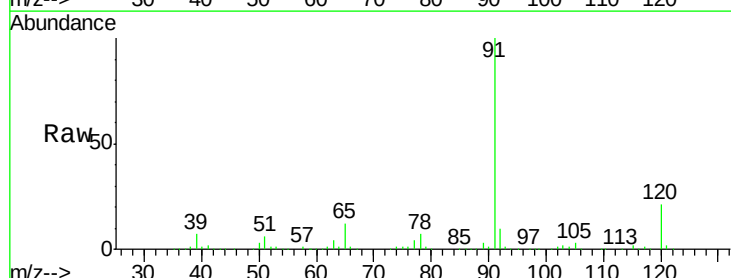
Acq: 22 Aug 2019 11:06

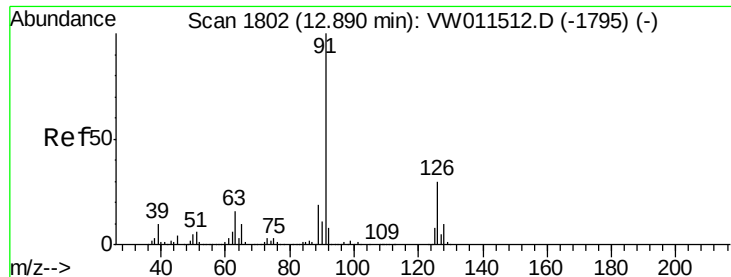
Tgt Ion: 91 Resp: 310312

Ion Ratio Lower Upper

91 100

120 21.6 10.9 32.7





#79

2-Chlorotoluene

Concen: 21.179 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012101.D

Acq: 22 Aug 2019 11:06

Instrument :

MSVOA_W

ClientSampled :

VW0822SBSD01

Tot Ion: 91 Resp: 176020

Ion Ratio Lower Upper

91 100

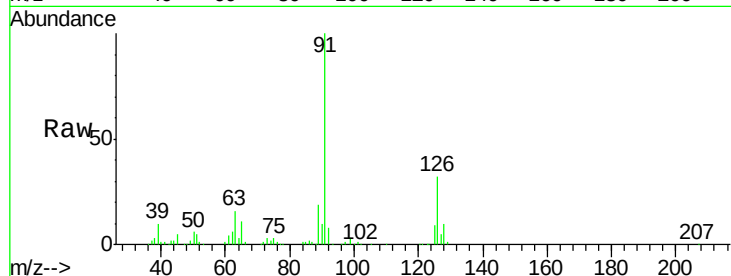
126 31.6 15.7 47.1

Manual Integrations

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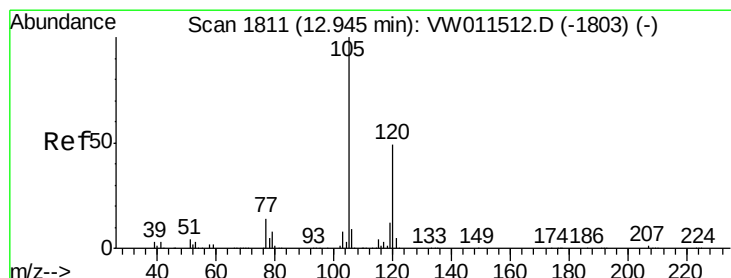
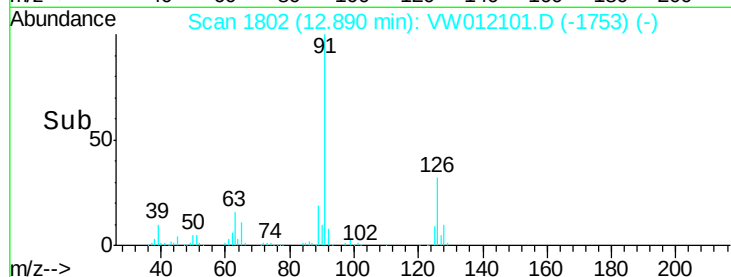
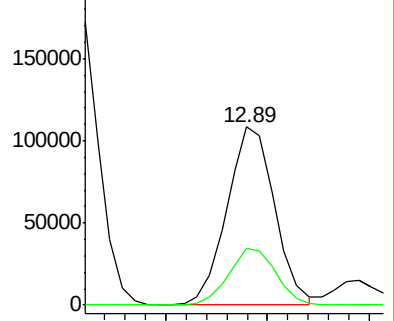
MMDadoda

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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: 21.471 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012101.D

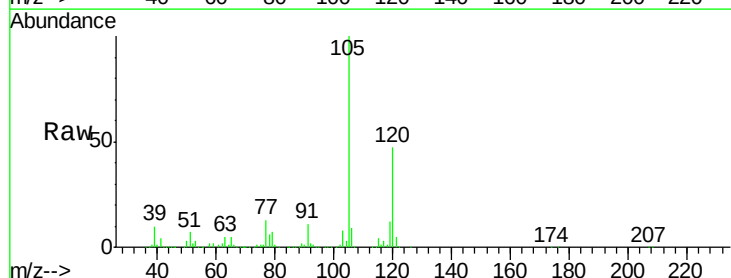
Acq: 22 Aug 2019 11:06

Tgt Ion:105 Resp: 213352

Ion Ratio Lower Upper

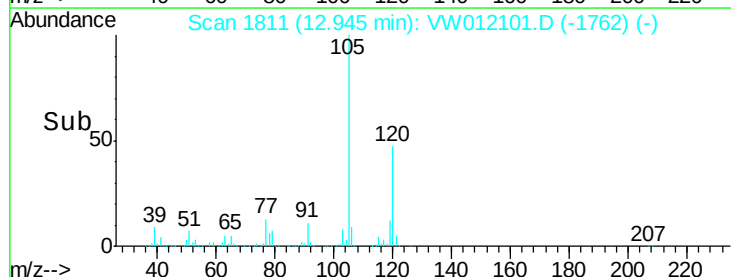
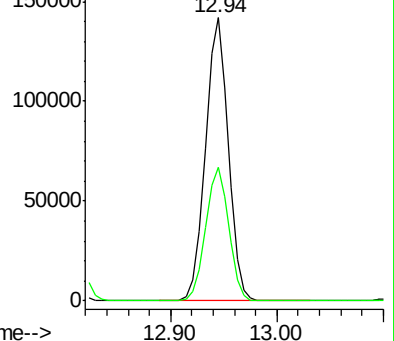
105 100

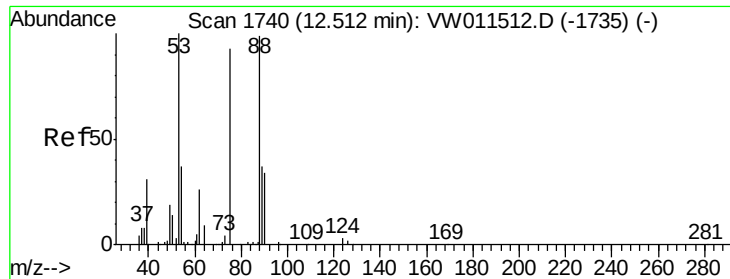
120 47.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





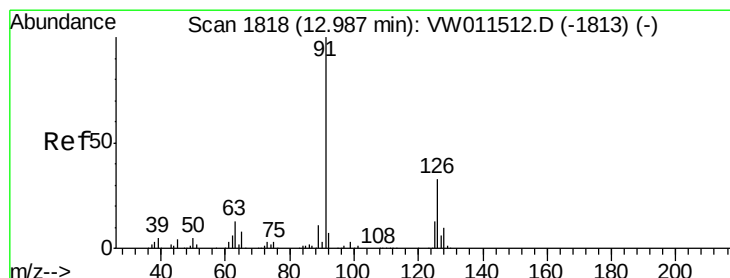
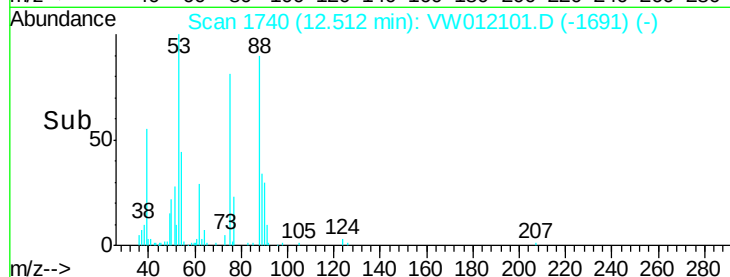
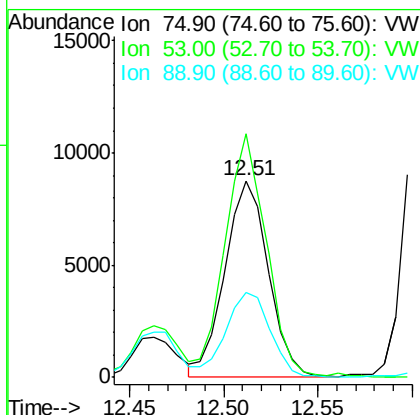
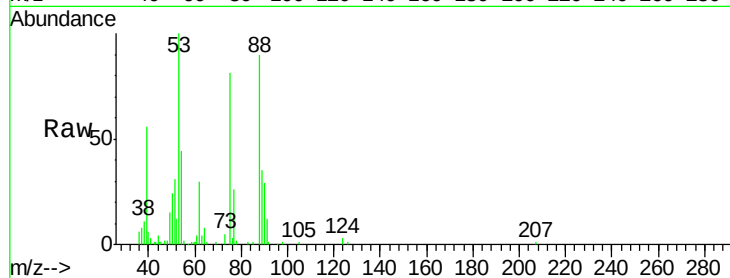
#81
trans-1,4-Dichloro-2-butene
Concen: 19.194 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.6	88.0	132.0
89	43.7	35.3	52.9

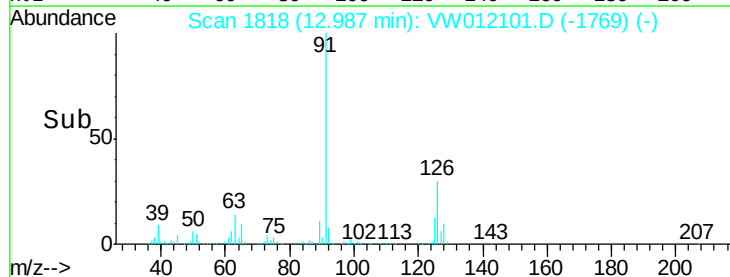
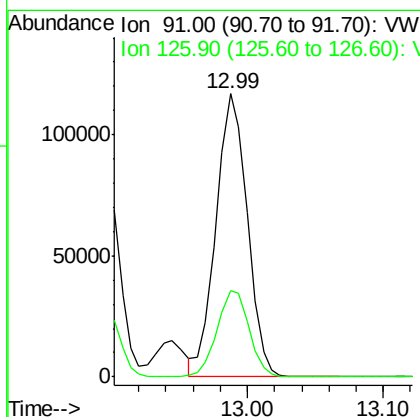
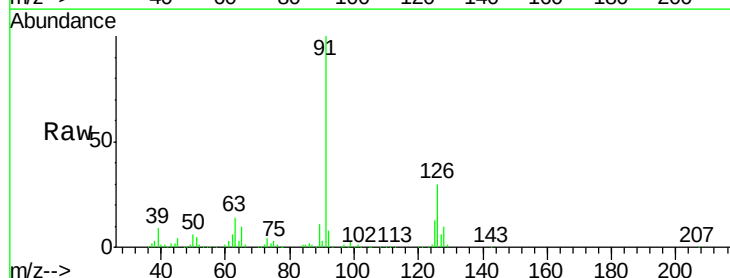
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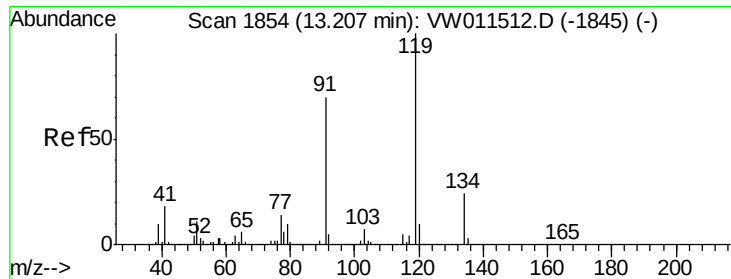
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#82
4-Chlorotoluene
Concen: 21.383 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





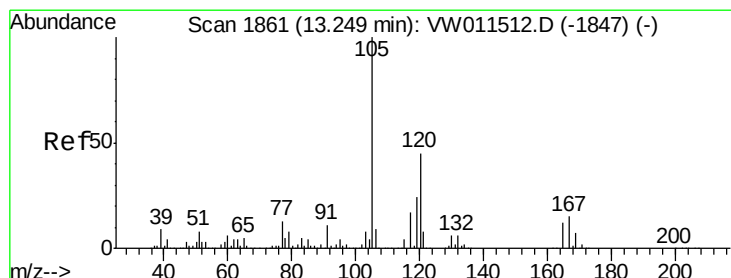
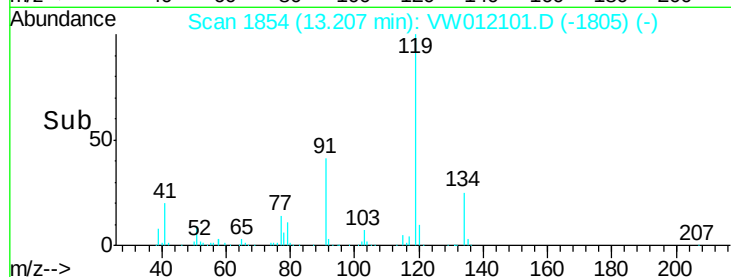
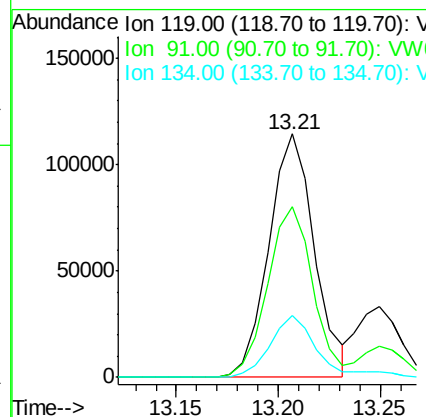
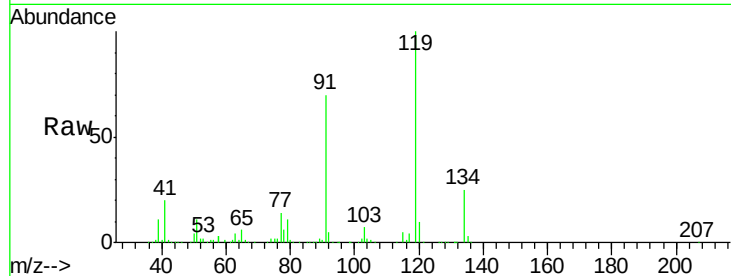
#83
 tert-Butylbenzene
 Concen: 21.498 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	178637		
91	69.4	34.5	103.6	
134	26.8	12.4	37.4	

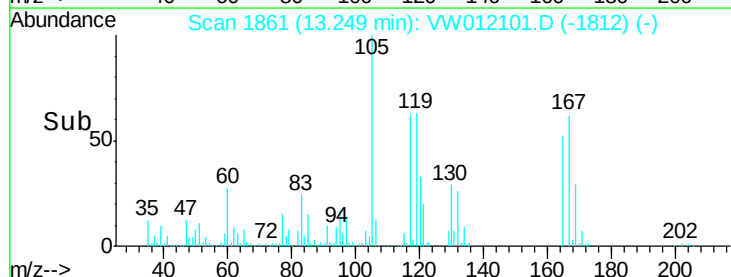
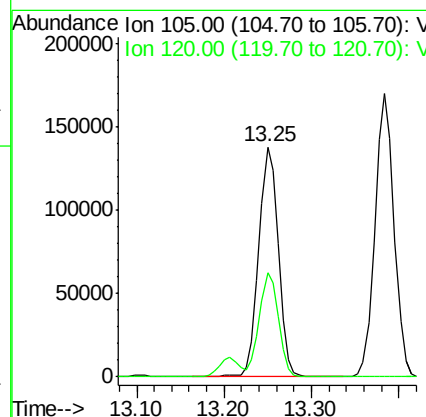
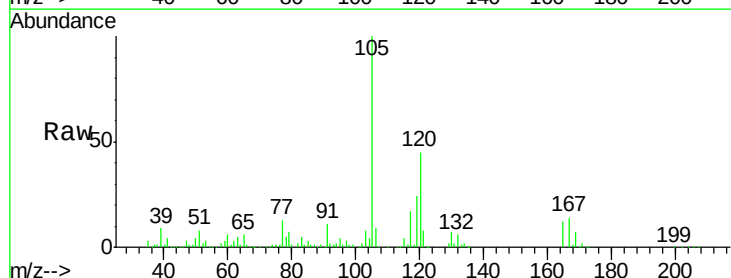
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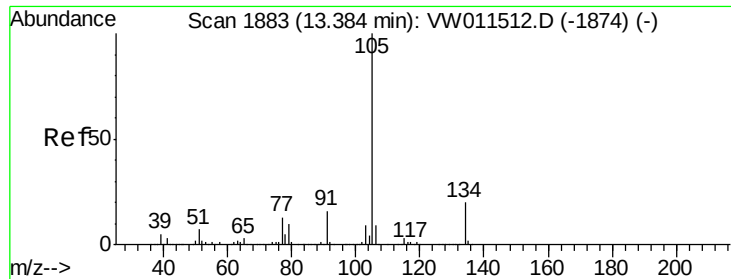
MMDadoda
 8/23/2019 10:54:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.453 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214737		
120	43.8	22.1	66.5	





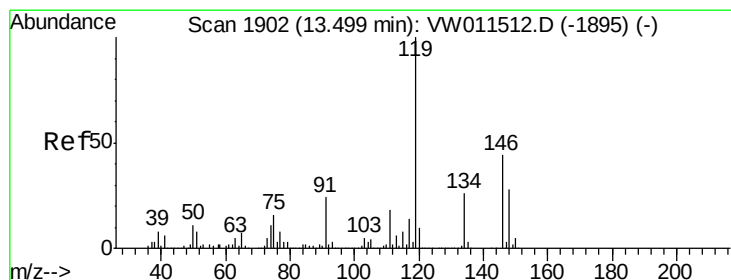
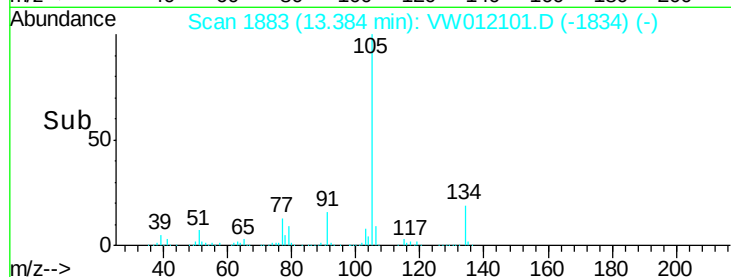
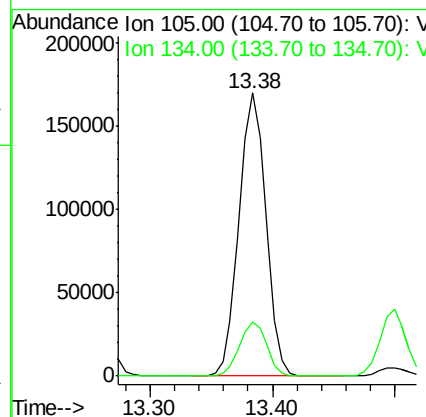
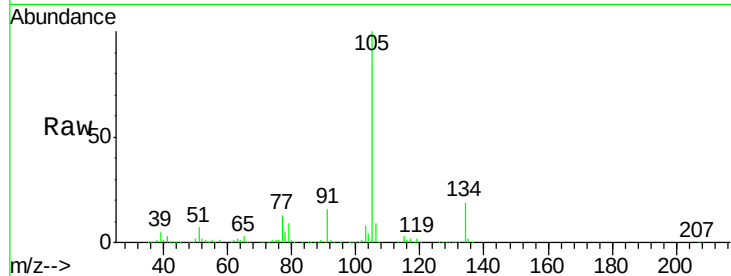
#85
 sec-Butylbenzene
 Concen: 21.801 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	258482		
134	19.3	9.7	29.1	

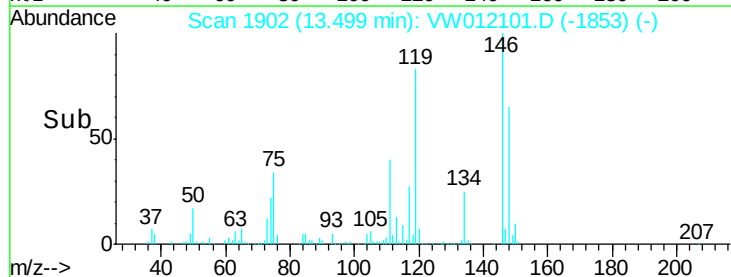
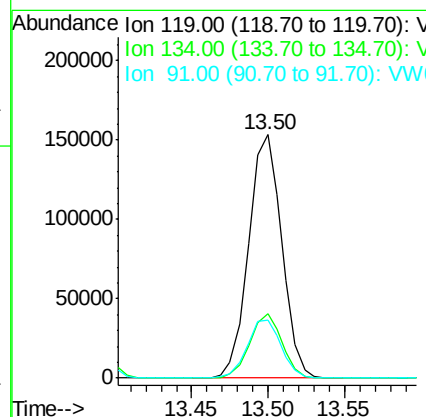
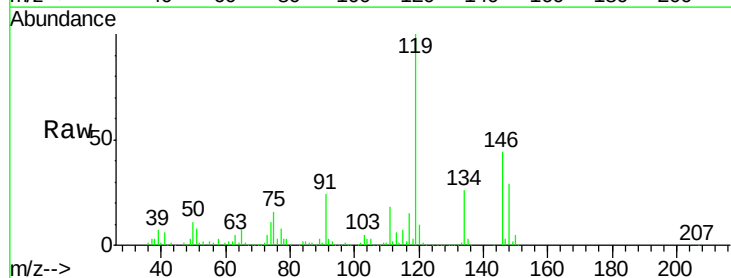
Manual Integrations
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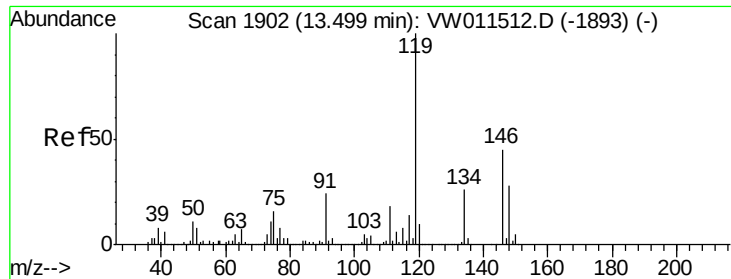
MMDadoda
 8/23/2019 10:54:58 AM



#86
 p-Isopropyltoluene
 Concen: 21.384 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	230041		
134	25.7	12.8	38.4	
91	24.4	12.1	36.3	





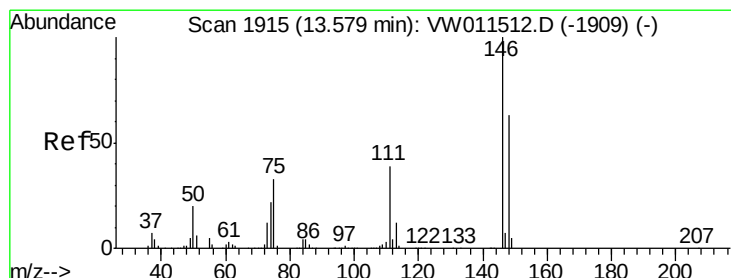
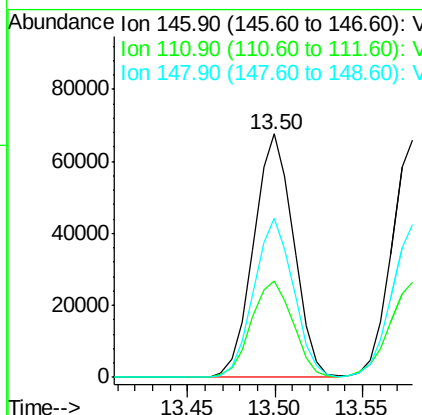
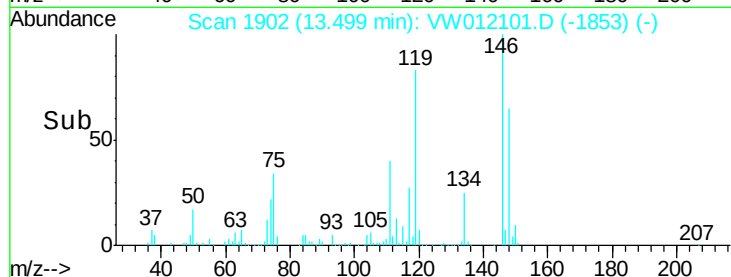
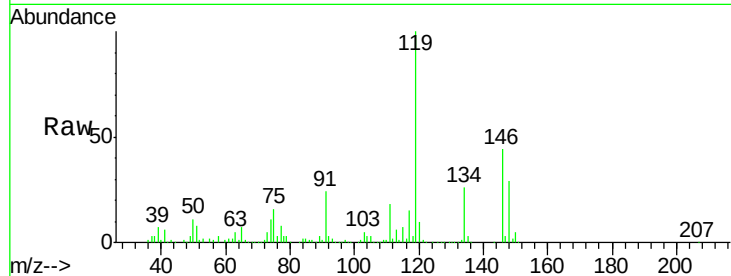
#87
 1,3-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	107128		
111	41.3	20.5	61.6	
148	64.5	31.8	95.3	

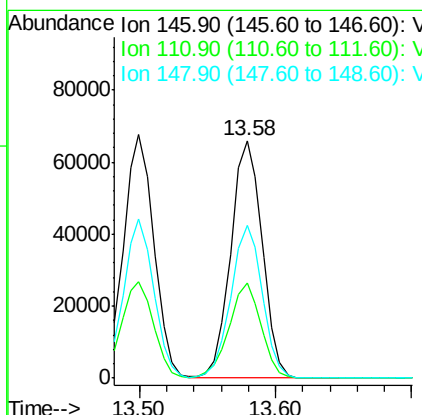
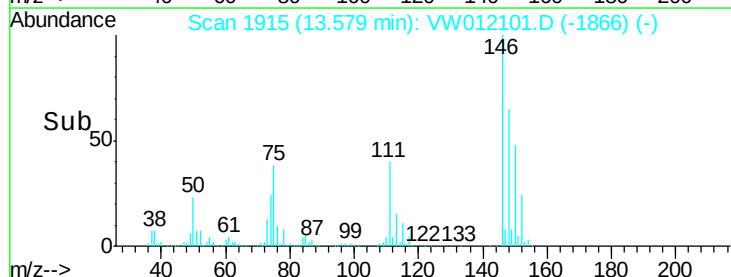
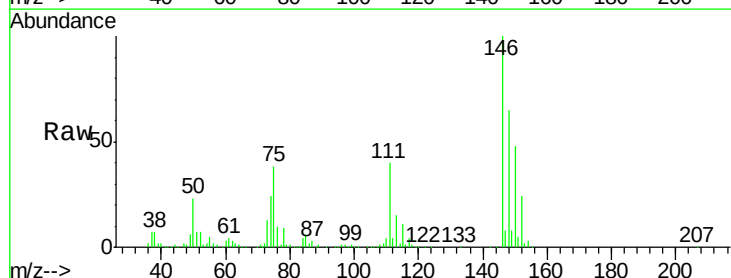
Manual Integrations
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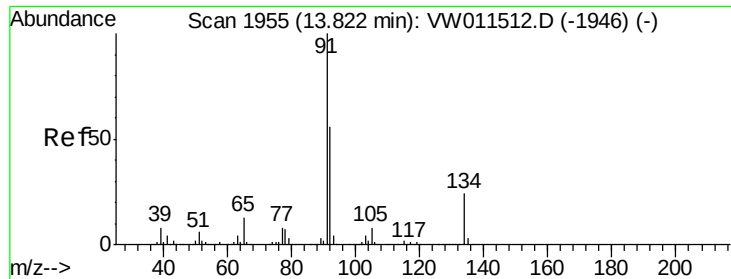
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#88
 1,4-Dichlorobenzene
 Concen: 20.757 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106079		
111	41.0	20.1	60.2	
148	64.6	31.9	95.9	





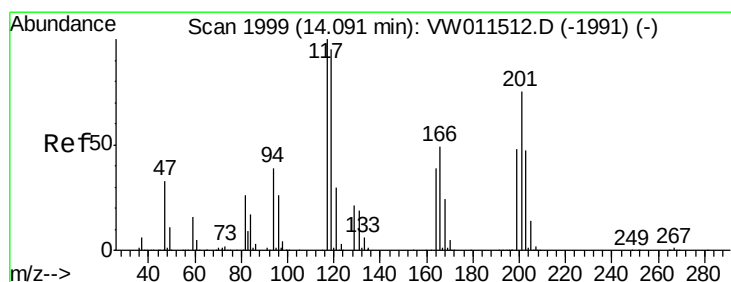
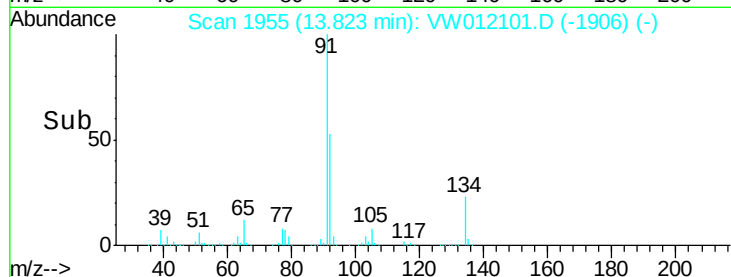
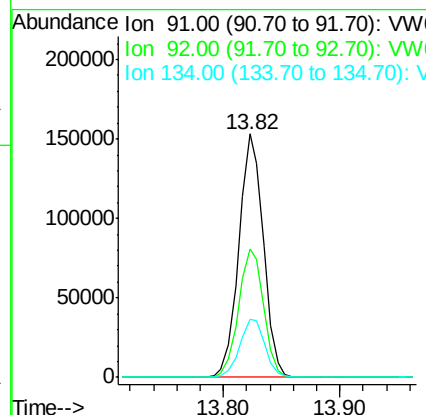
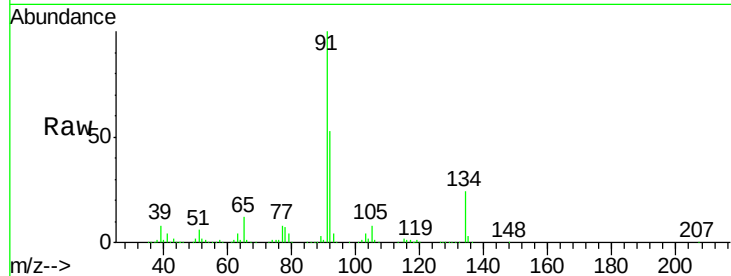
#89
n-Butylbenzene
Concen: 20.903 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.5	82.4
134	24.5	12.2	36.6

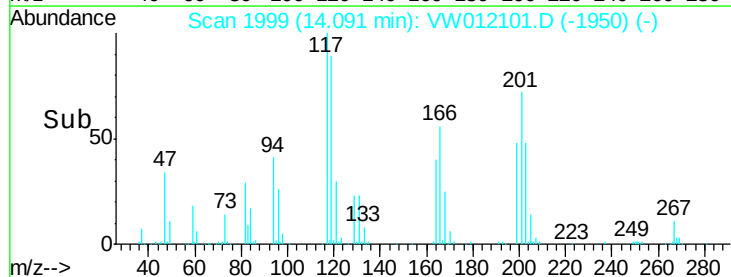
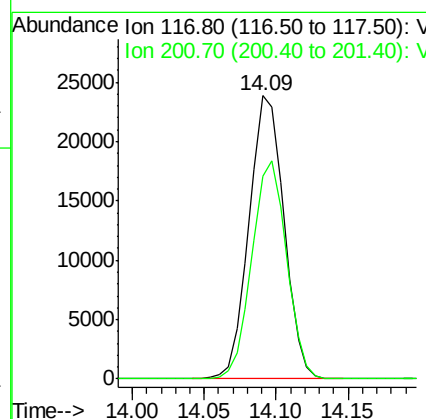
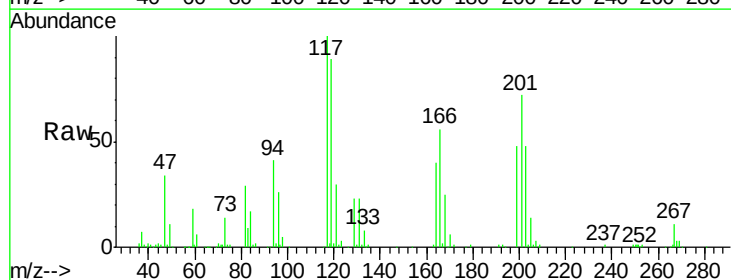
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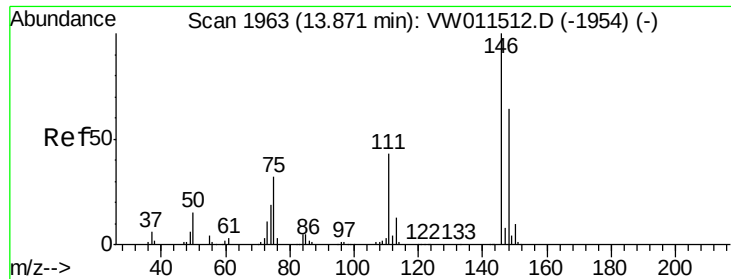
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#90
Hexachloroethane
Concen: 21.063 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	39.4	118.2





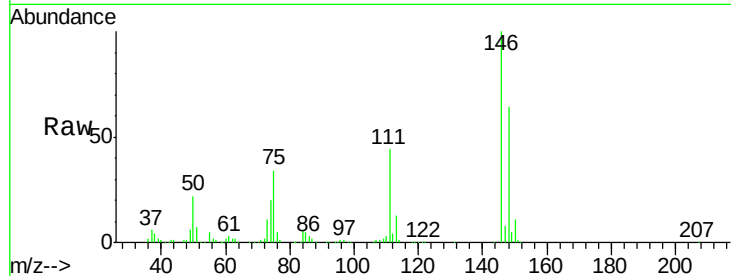
#91
 1,2-Dichlorobenzene
 Concen: 21.126 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.4	32.0	96.2

Manual Integrations
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 8/23/2019 10:54:58 AM

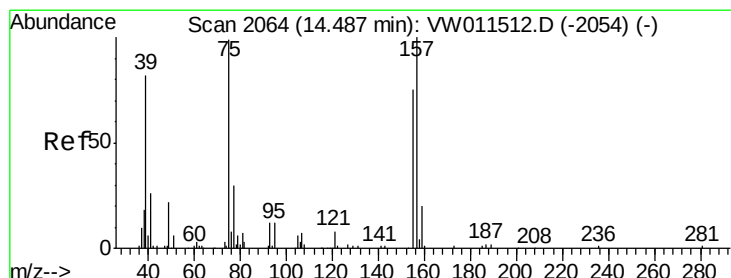
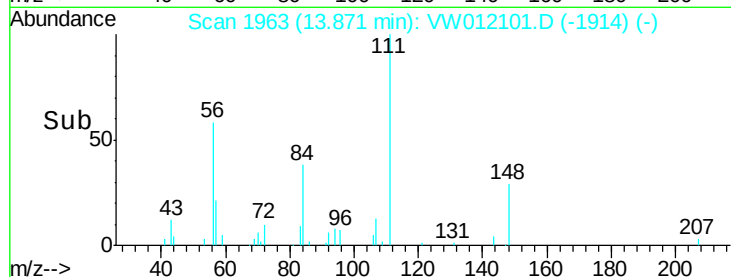
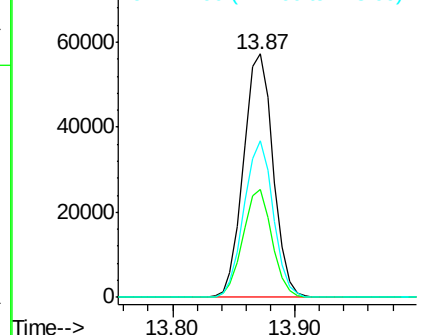


Abundance

Ion 145.90 (145.60 to 146.60): V

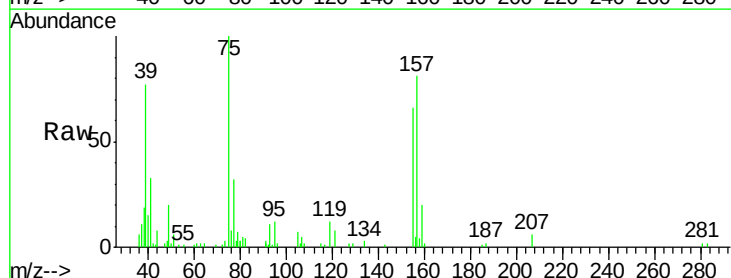
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.543 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	38.2	114.6
157	96.7	48.9	146.7

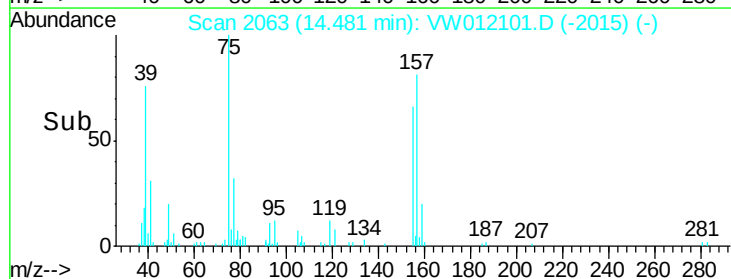
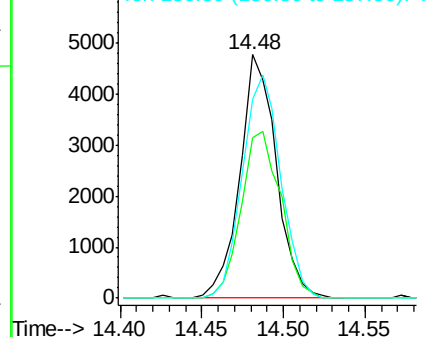


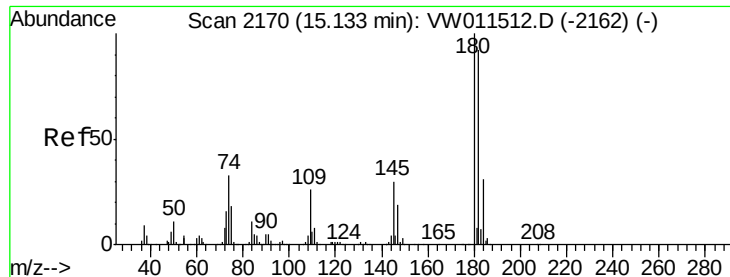
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





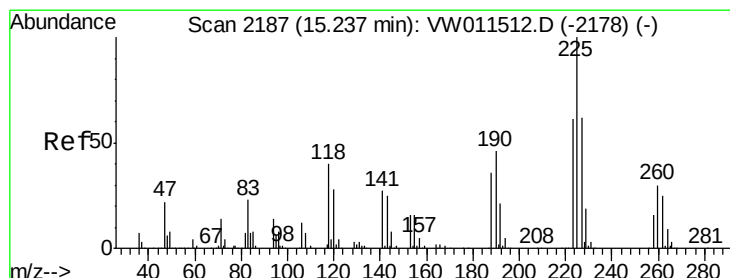
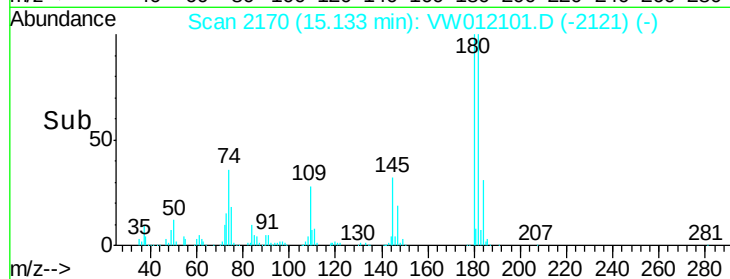
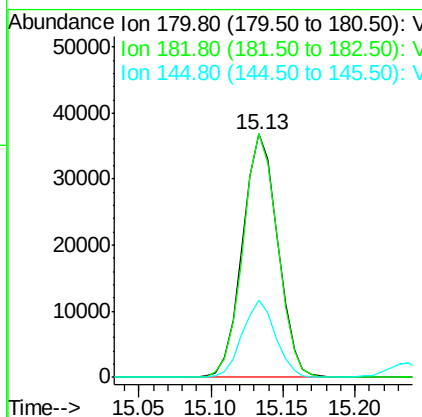
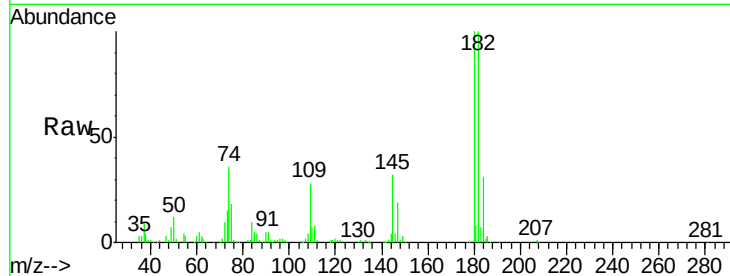
#93
 1,2,4-Trichlorobenzene
 Concen: 19.395 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62111		
182	98.0	47.4	142.2	
145	30.1	15.4	46.1	

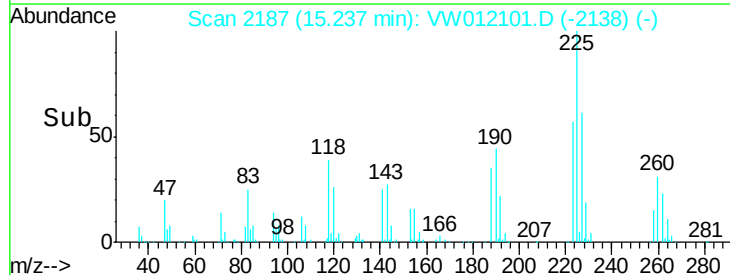
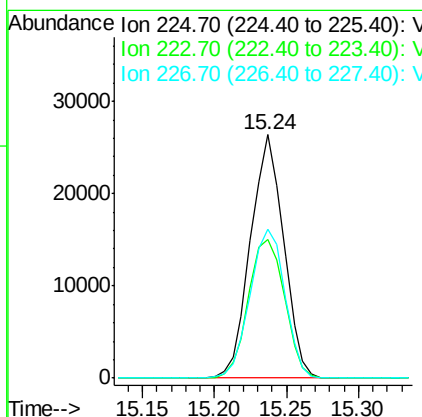
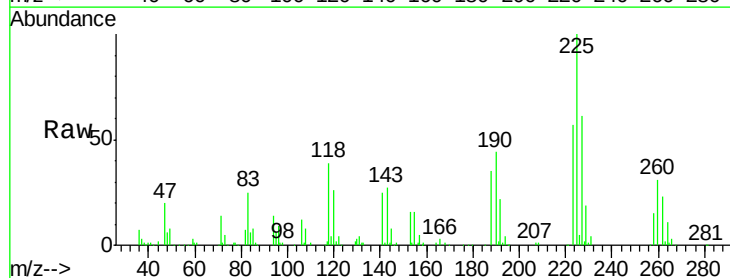
Manual Integrations
 APPROVED

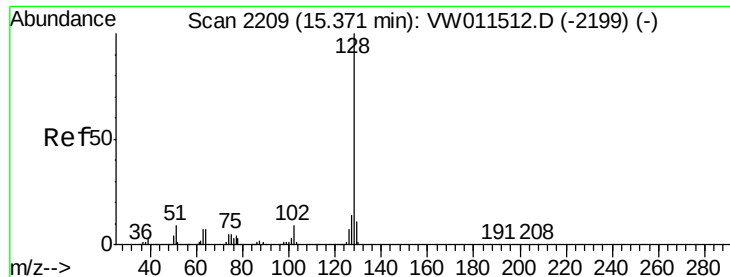
MMDadoda
 8/23/2019 10:54:58 AM



#94
 Hexachlorobutadiene
 Concen: 21.012 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012101.D
 Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41962		
223	62.4	30.8	92.3	
227	64.4	31.6	94.7	





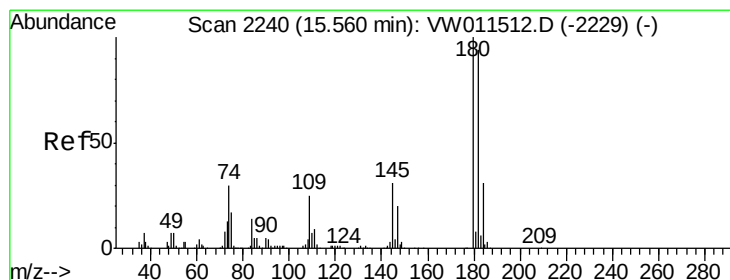
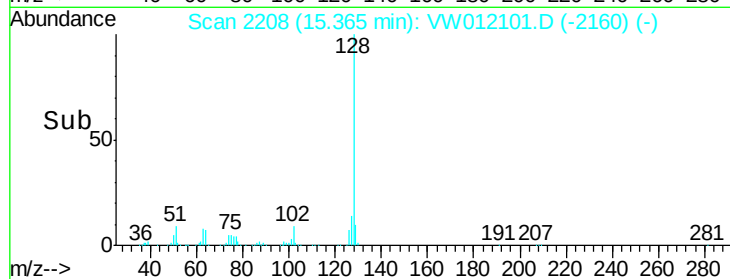
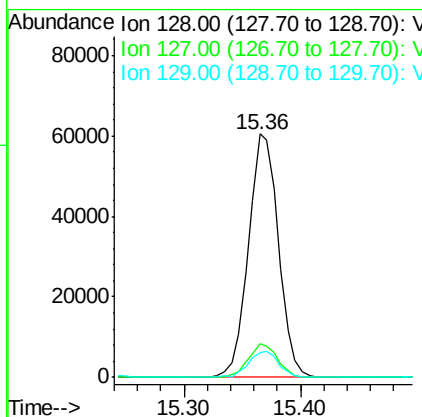
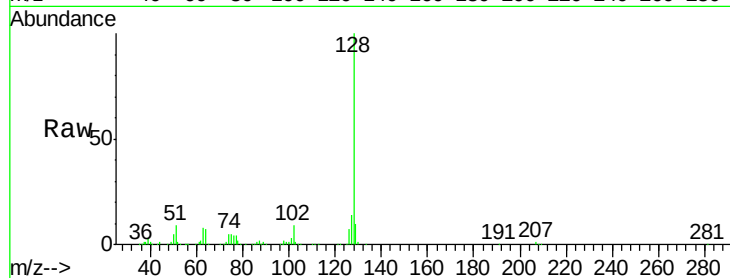
#95
Naphthalene
Concen: 18.708 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VW0822SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	108893		
127	13.4		10.6	16.0
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 10:54:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.011 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012101.D
Acq: 22 Aug 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56173		
182	93.5		47.4	142.2
145	31.7		15.9	47.7

