

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013486.D
 Acq On : 08 Oct 2019 15:01
 Operator : SY/VA
 Sample : VW1008SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:44 PM

Quant Time: Oct 09 06:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	507768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136060	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.88	113	137961	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.32	98	588567	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	195448	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27452	23.164	ug/l	99
3) Chloromethane	2.21	50	46648	22.393	ug/l	99
4) Vinyl Chloride	2.35	62	64855	21.107	ug/l	99
5) Bromomethane	2.77	94	38615	21.062	ug/l	94
6) Chloroethane	2.91	64	34385	19.927	ug/l	97
7) Trichlorofluoromethane	3.25	101	30586	21.039	ug/l	92
8) Diethyl Ether	3.68	74	31546	20.964	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59143	19.739	ug/l	94
10) Methyl Iodide	4.26	142	96696	20.380	ug/l	98
11) Tert butyl alcohol	5.20	59	19176	78.788	ug/l	96
12) 1,1-Dichloroethene	4.04	96	64033	20.621	ug/l	99
13) Acrolein	3.90	56	25596	105.597	ug/l	98
14) Allyl chloride	4.67	41	98500	20.642	ug/l	100
15) Acrylonitrile	5.37	53	69142	98.312	ug/l	99
16) Acetone	4.13	43	58786	91.390	ug/l	97
17) Carbon Disulfide	4.38	76	178328	20.460	ug/l	99
18) Methyl Acetate	4.67	43	36157	19.623	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	93633	19.941	ug/l	96
20) Methylene Chloride	4.92	84	71578	20.632	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	68491	20.757	ug/l	96
22) Diisopropyl ether	6.31	45	185630	20.762	ug/l	98
23) Vinyl Acetate	6.25	43	544049	101.355	ug/l	98
24) 1,1-Dichloroethane	6.21	63	112589	20.603	ug/l	99
25) 2-Butanone	7.17	43	86582	91.333	ug/l	98
26) 2,2-Dichloropropane	7.16	77	71425	20.275	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	73349	21.009	ug/l	98
28) Bromochloromethane	7.51	49	31376	16.490	ug/l #	98
29) Tetrahydrofuran	7.53	42	57359	99.000	ug/l	98
30) Chloroform	7.67	83	110322	20.871	ug/l	88
31) Cyclohexane	7.95	56	118889	20.555	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	91270	21.241	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94940	20.669	ug/l	100
37) Ethyl Acetate	7.25	43	41608	19.964	ug/l	99
38) Carbon Tetrachloride	8.07	117	84998	20.874	ug/l	97

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Instrument :
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Manual Integrations
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Quant Time: Oct 09 06:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	124030	20.841	ug/l	97
40) Benzene	8.32	78	266934	20.818	ug/l	100
41) Methacrylonitrile	7.48	41	20396	17.210	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	67586	20.854	ug/l	100
43) Isopropyl Acetate	8.42	43	74229	19.714	ug/l	100
44) Trichloroethene	9.09	130	75758	20.711	ug/l	100
45) 1,2-Dichloropropane	9.37	63	64359	20.912	ug/l	94
46) Dibromomethane	9.46	93	31441	20.507	ug/l	98
47) Bromodichloromethane	9.64	83	77604	20.362	ug/l	95
48) Methyl methacrylate	9.43	41	37615	20.281	ug/l	97
49) 1,4-Dioxane	9.46	88	11280	419.002	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	190668	96.320	ug/l	100
52) Toluene	10.38	92	172071	20.833	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	80980	20.448	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	100809	21.011	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	48329	21.001	ug/l	94
56) Ethyl methacrylate	10.65	69	62532	20.175	ug/l	98
57) 1,3-Dichloropropane	10.93	76	81181	20.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142266	97.290	ug/l	99
59) 2-Hexanone	10.97	43	130495	96.136	ug/l	99
60) Dibromochloromethane	11.13	129	54071	20.431	ug/l	96
61) 1,2-Dibromoethane	11.23	107	45544	20.807	ug/l	96
64) Tetrachloroethene	10.86	164	65272	20.327	ug/l	96
65) Chlorobenzene	11.66	112	177483	20.473	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	60794	20.188	ug/l	98
67) Ethyl Benzene	11.73	91	323557	20.420	ug/l	98
68) m/p-Xylenes	11.84	106	250601	41.567	ug/l	98
69) o-Xylene	12.16	106	116663	20.944	ug/l	98
70) Styrene	12.18	104	197986	20.701	ug/l	99
71) Bromoform	12.35	173	33029	19.991	ug/l #	100
73) Isopropylbenzene	12.46	105	323971	20.567	ug/l	98
74) N-amyl acetate	12.27	43	66417	19.279	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53144	19.794	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41297m	22.548	ug/l	
77) Bromobenzene	12.74	156	76477	20.483	ug/l	99
78) n-propylbenzene	12.80	91	375067	20.591	ug/l	99
79) 2-Chlorotoluene	12.89	91	209590	20.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270448	20.664	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17324	19.336	ug/l	94
82) 4-Chlorotoluene	12.99	91	220335	20.802	ug/l	99
83) tert-Butylbenzene	13.21	119	241197	20.751	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	267044	20.630	ug/l	100
85) sec-Butylbenzene	13.38	105	328645	20.464	ug/l	100
86) p-Isopropyltoluene	13.50	119	308439	20.903	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	146828	20.740	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147317	21.241	ug/l	99
89) n-Butylbenzene	13.82	91	277986	20.855	ug/l	99
90) Hexachloroethane	14.09	117	51690	20.473	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	130746	20.917	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8251	19.277	ug/l	94

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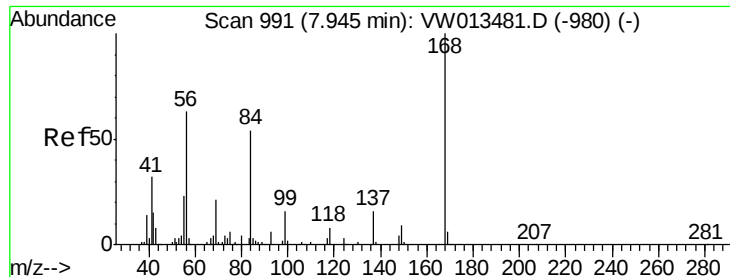
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	92330	20.900	ug/l	100
94) Hexachlorobutadiene	15.23	225	62116	21.159	ug/l	98
95) Naphthalene	15.36	128	151475	19.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	80946	20.954	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: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion:168 Resp: 357774

Ion Ratio Lower Upper

168 100

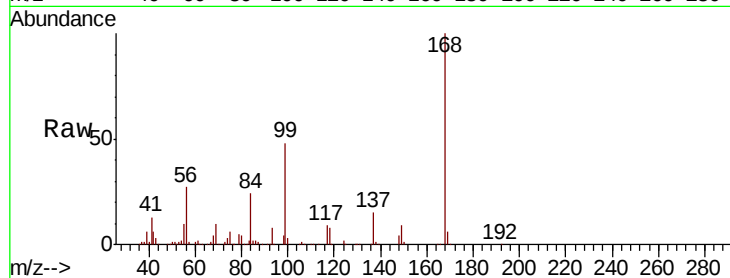
99 47.9 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

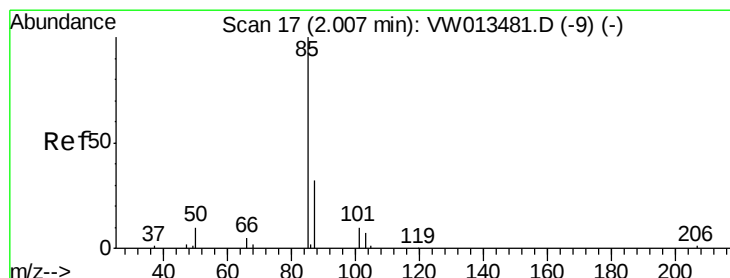
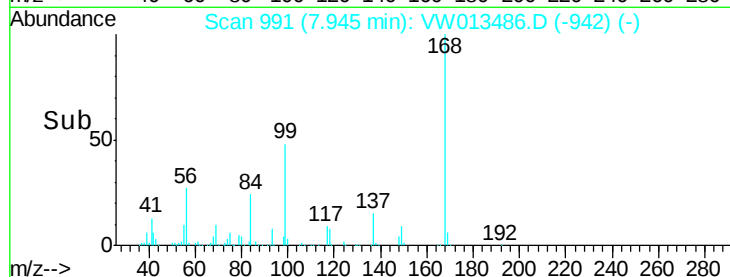
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.164 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013486.D

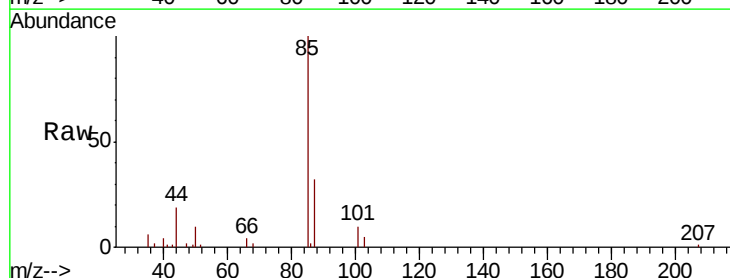
Acq: 08 Oct 2019 15:01

Tgt Ion: 85 Resp: 27452

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

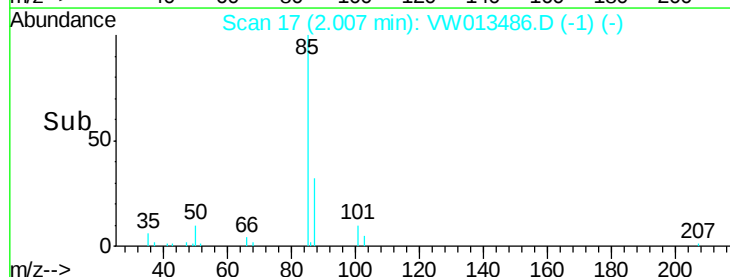
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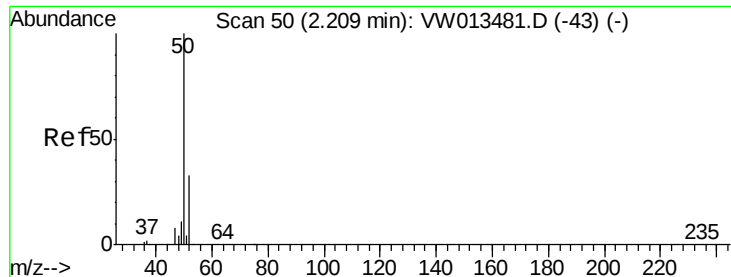
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.393 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 50 Resp: 46648

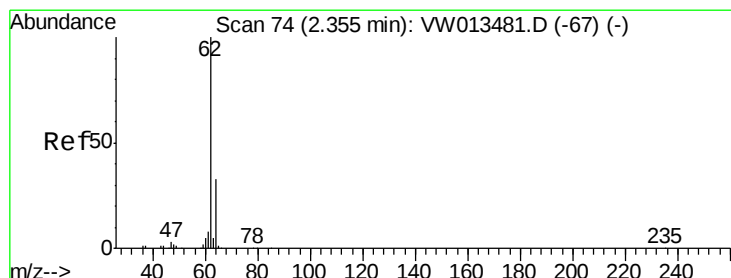
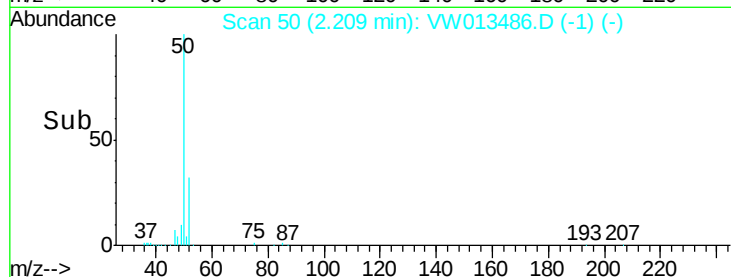
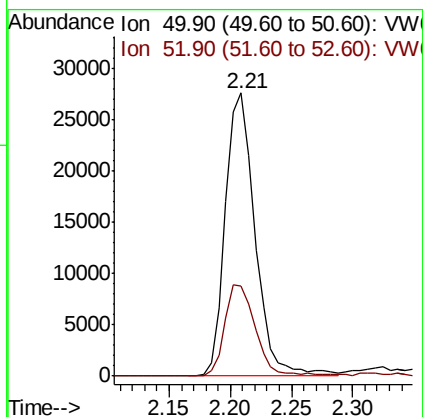
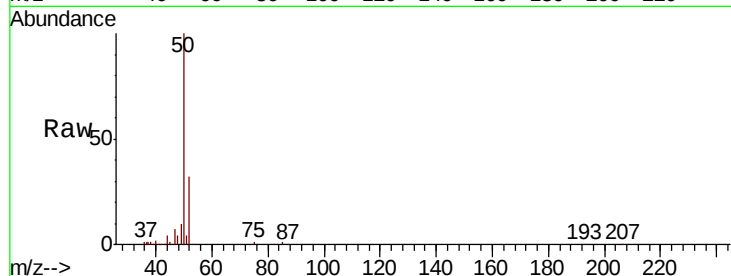
Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.107 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013486.D

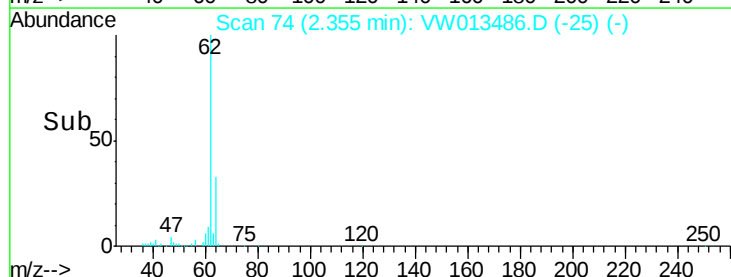
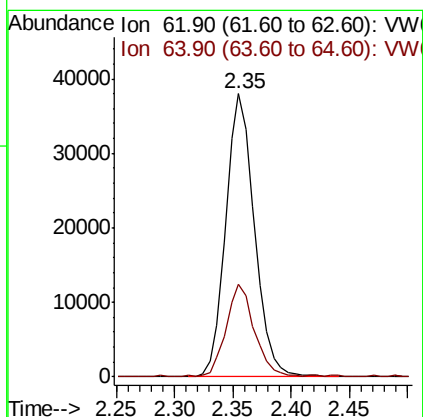
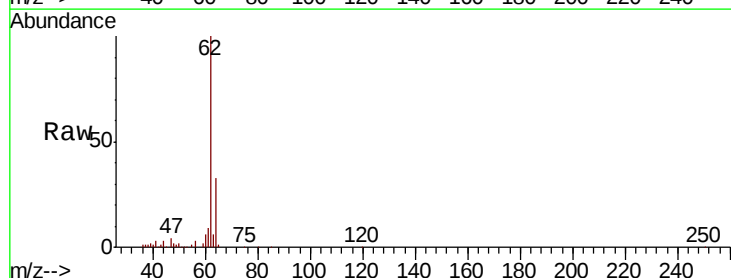
Acq: 08 Oct 2019 15:01

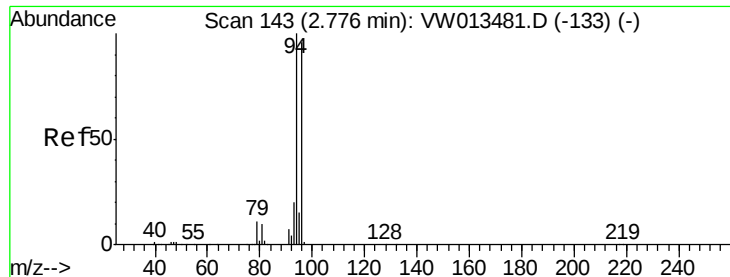
Tgt Ion: 62 Resp: 64855

Ion Ratio Lower Upper

62 100

64 32.4 26.6 39.8





#5

Bromomethane

Concen: 21.062 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 94 Resp: 38615

Ion Ratio Lower Upper

94 100

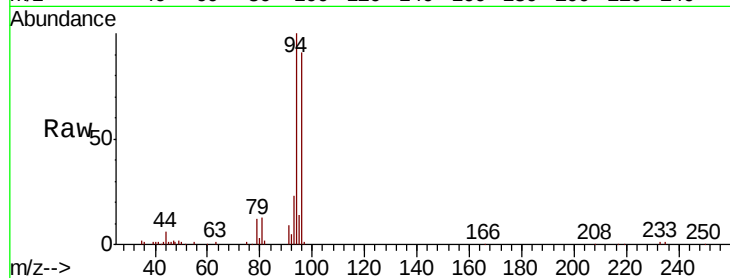
96 90.5 77.0 115.6

Manual Integrations

APPROVED

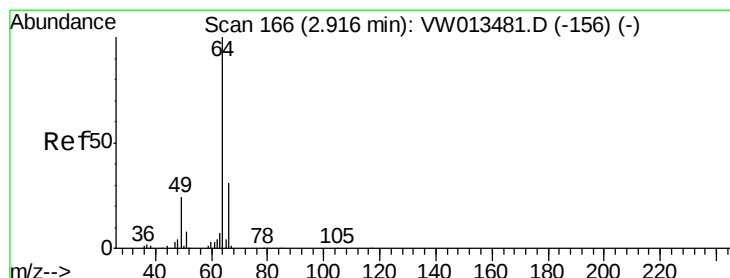
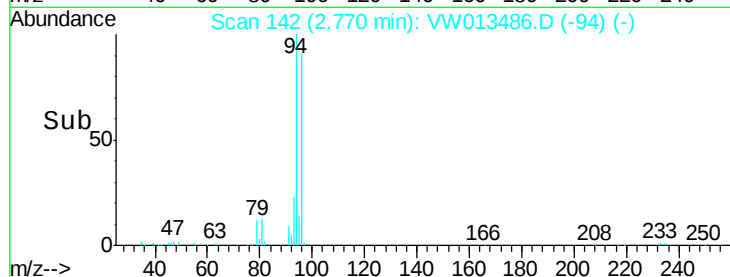
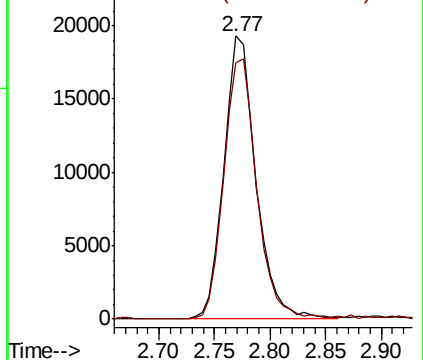
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.927 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013486.D

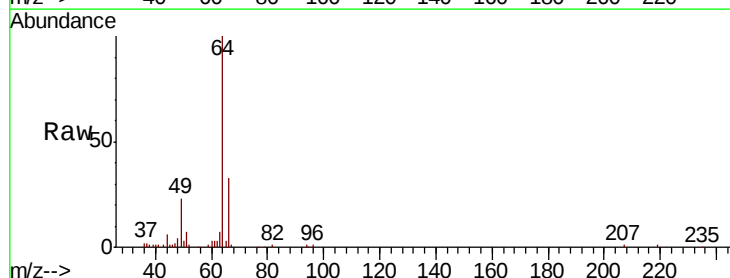
Acq: 08 Oct 2019 15:01

Tgt Ion: 64 Resp: 34385

Ion Ratio Lower Upper

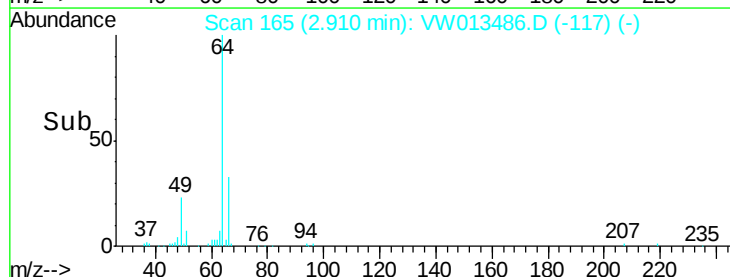
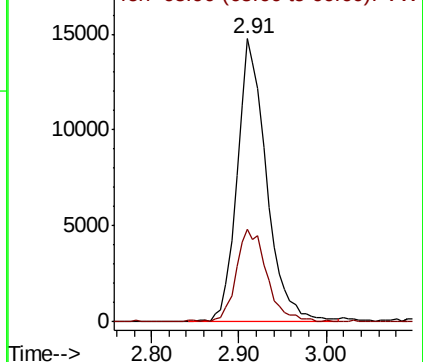
64 100

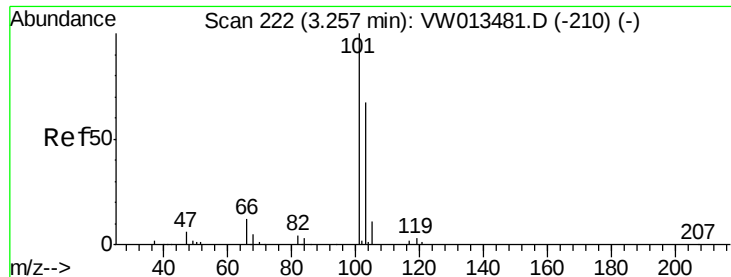
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

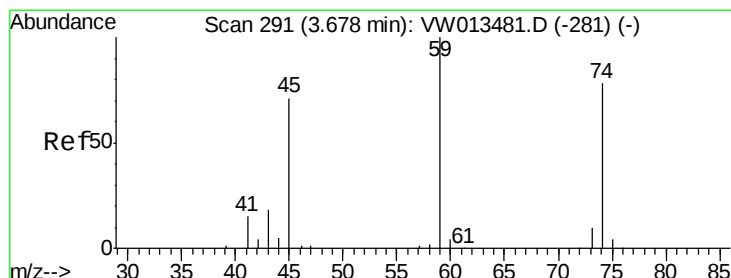
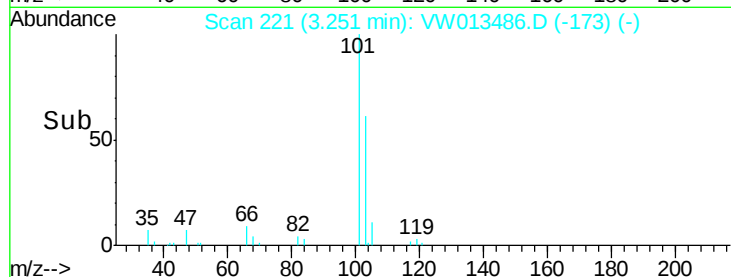
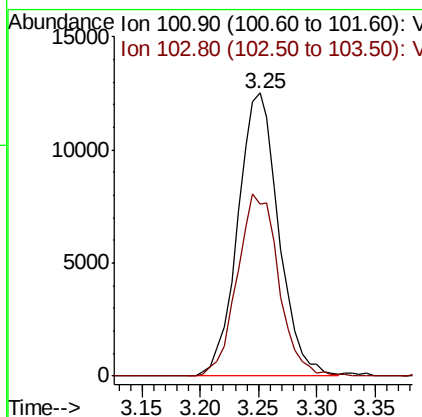
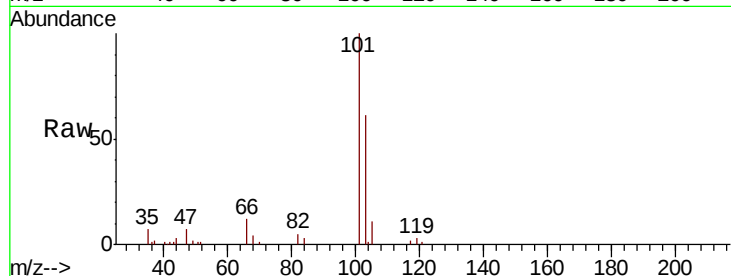
Trichlorofluoromethane
 Concen: 21.039 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

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 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	53.7	80.5

Manual Integrations
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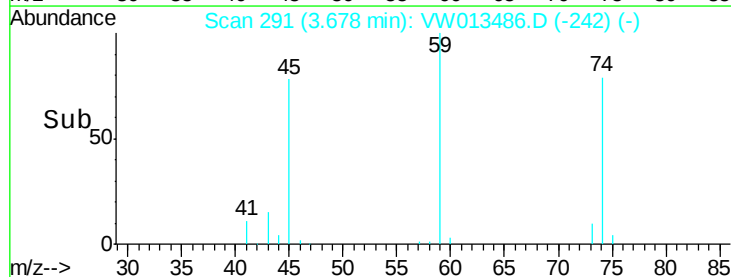
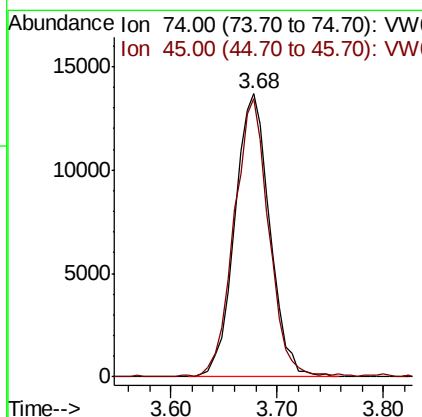
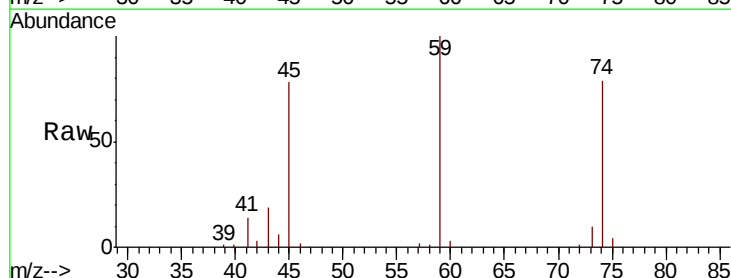
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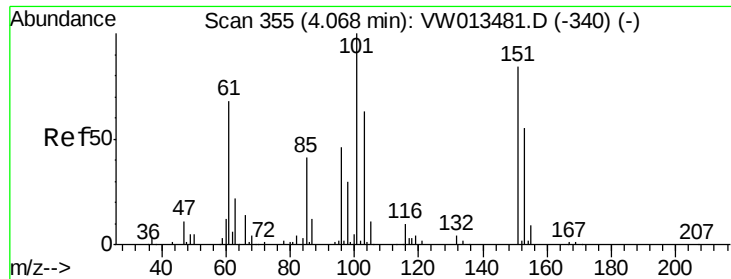


#8

Diethyl Ether
 Concen: 20.964 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.739 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

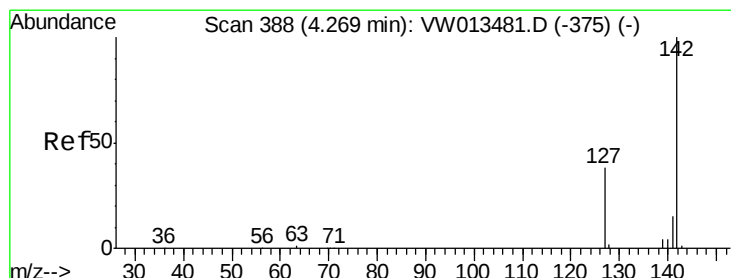
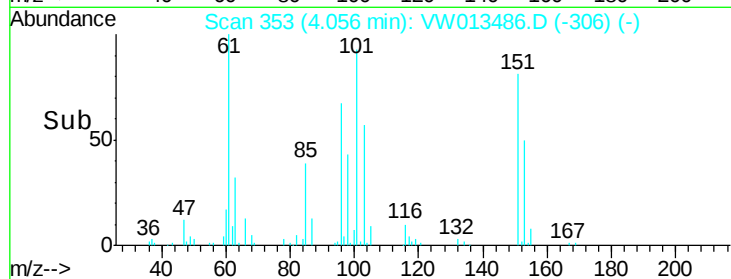
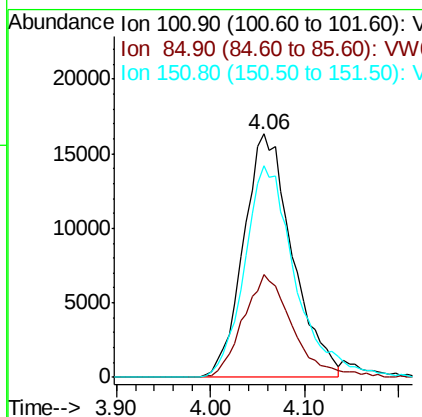
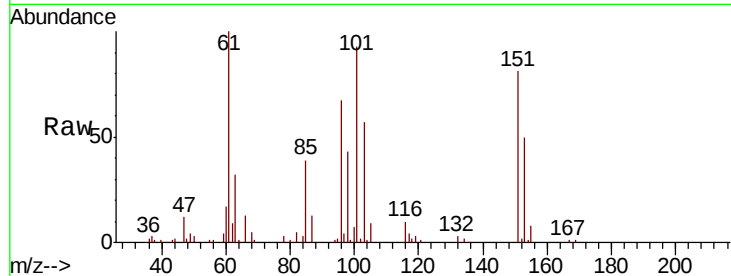
ClientSampleId :

VW1008SBS01

Tot Ion:	101	Resp:	59143
Ion Ratio	Lower	Upper	
101	100		
85	42.8	31.6	47.4
151	90.3	67.5	101.3

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#10

Methyl Iodide

Concen: 20.380 ug/l

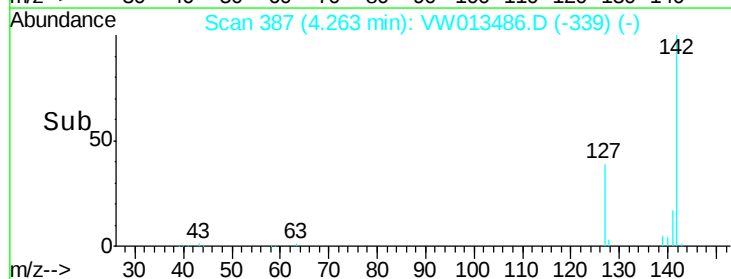
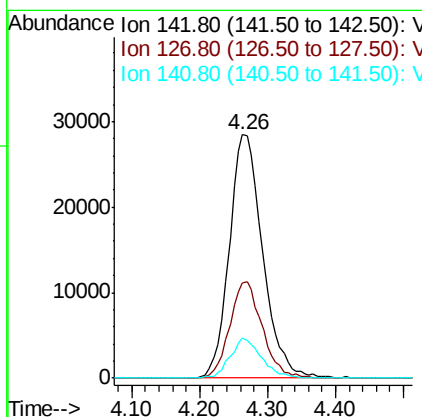
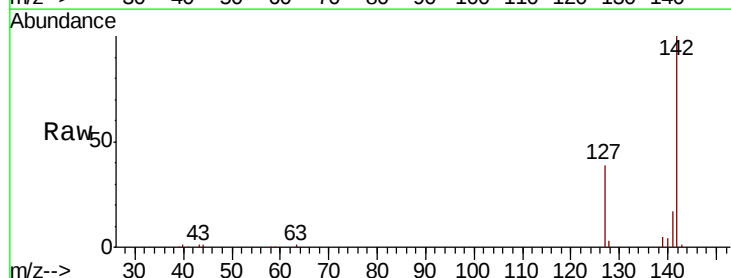
RT: 4.26 min Scan# 387

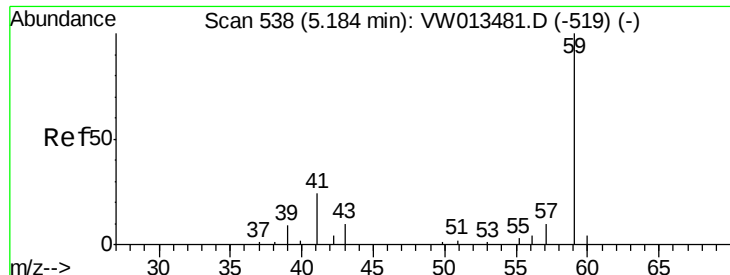
Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	142	Resp:	96696
Ion Ratio	Lower	Upper	
142	100		
127	38.5	29.6	44.4
141	15.2	12.1	18.1





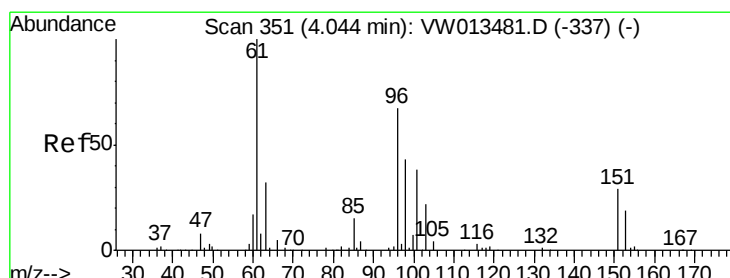
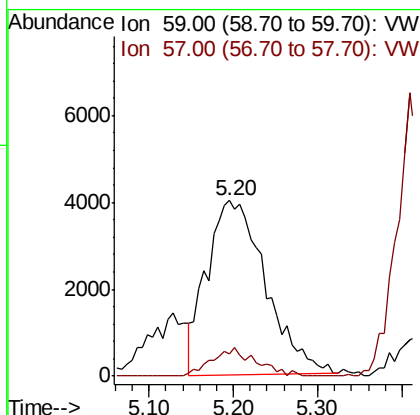
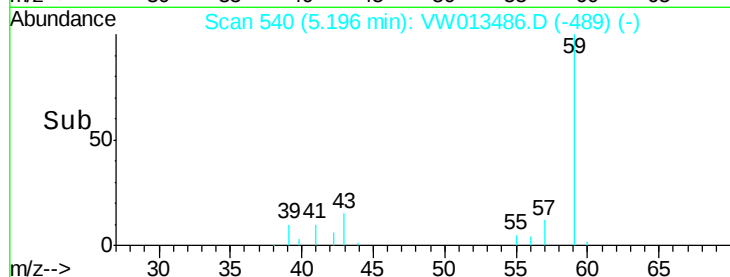
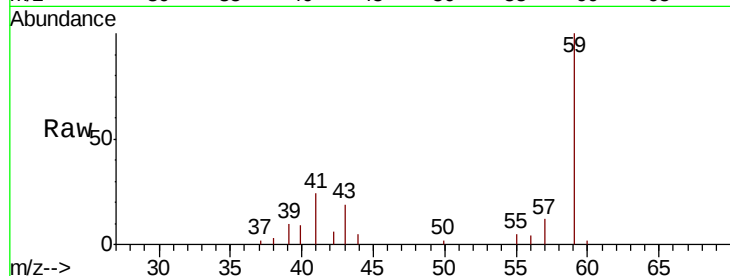
#11
Tert butyl alcohol
Concen: 78.788 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion: 59 Resp: 19176
Ion Ratio Lower Upper
59 100
57 11.9 8.2 12.4

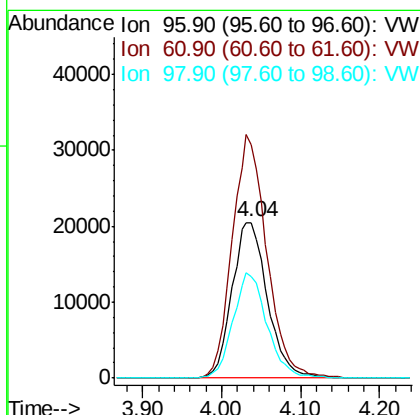
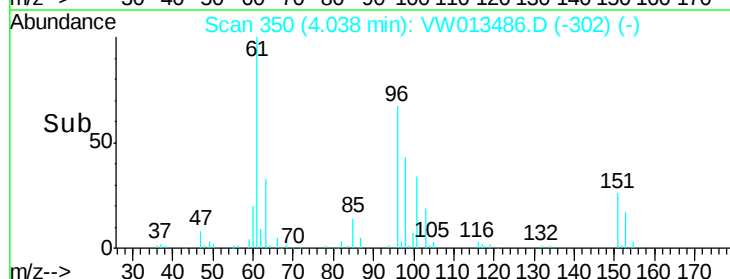
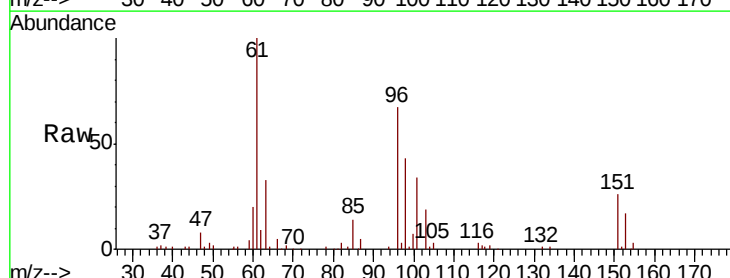
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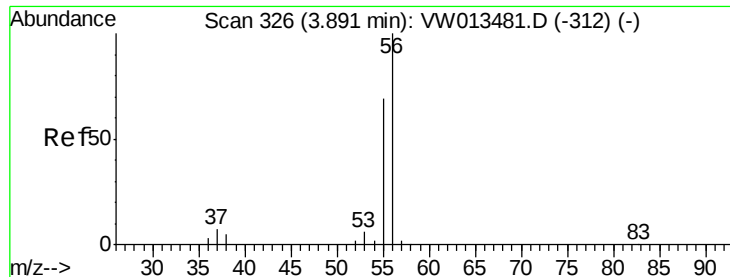
MMDadoda
10/9/2019 4:09:44 PM



#12
1,1-Dichloroethene
Concen: 20.621 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 96 Resp: 64033
Ion Ratio Lower Upper
96 100
61 149.9 119.4 179.0
98 64.9 51.1 76.7





#13

Acrolein

Concen: 105.597 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 56 Resp: 25596

Ion Ratio Lower Upper

56 100

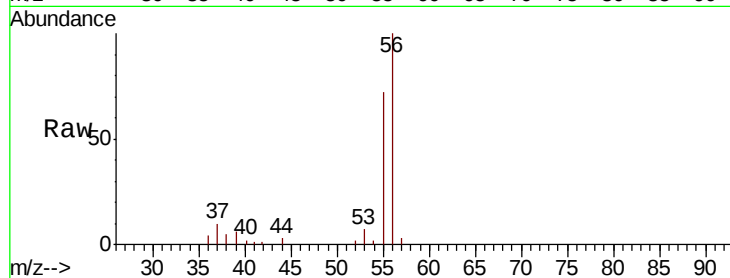
55 71.3 55.9 83.9

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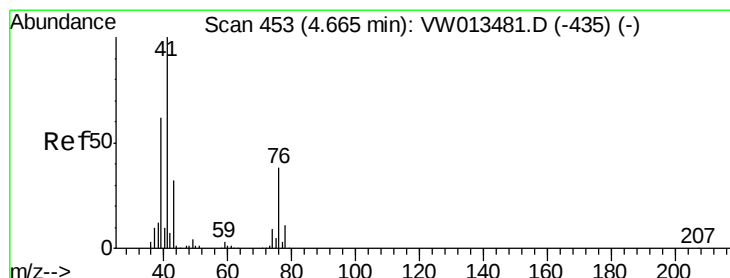
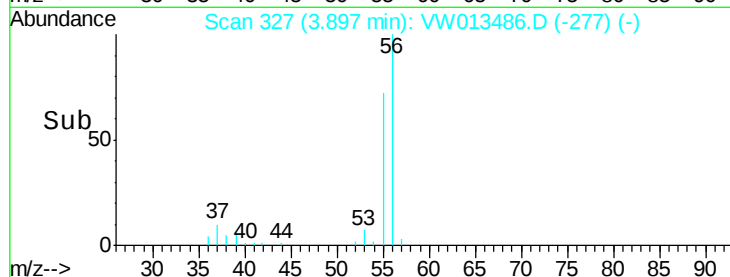
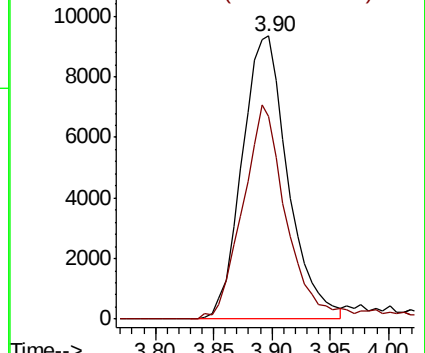
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.642 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

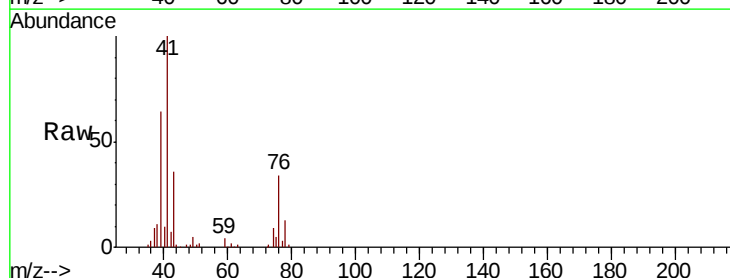
Tgt Ion: 41 Resp: 98500

Ion Ratio Lower Upper

41 100

39 62.5 50.1 75.1

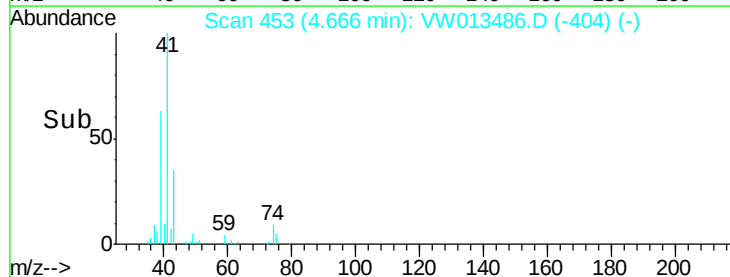
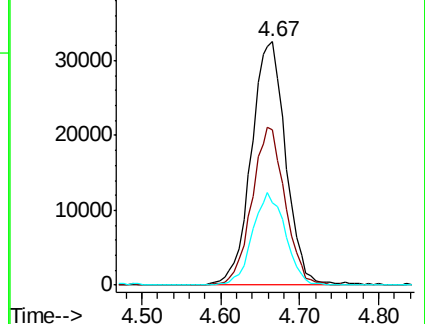
76 36.3 29.0 43.4

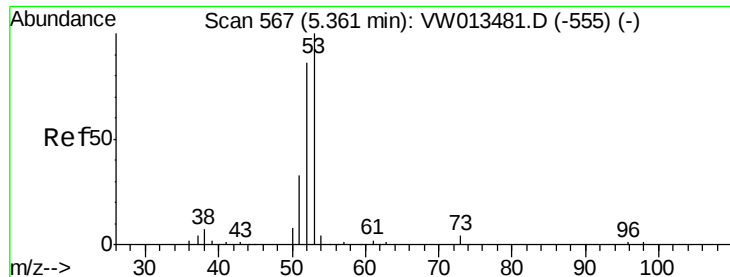


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 98.312 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

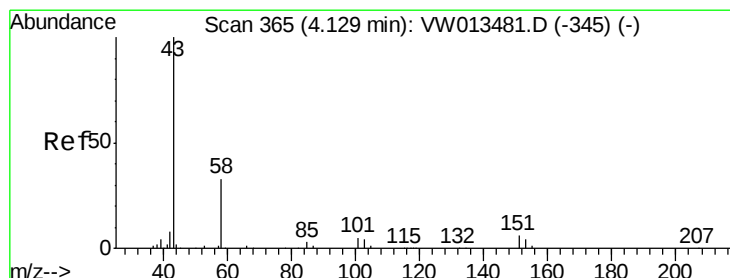
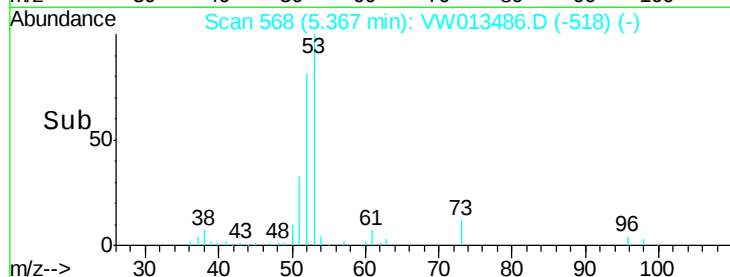
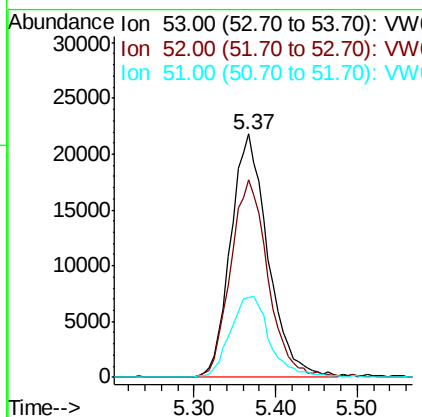
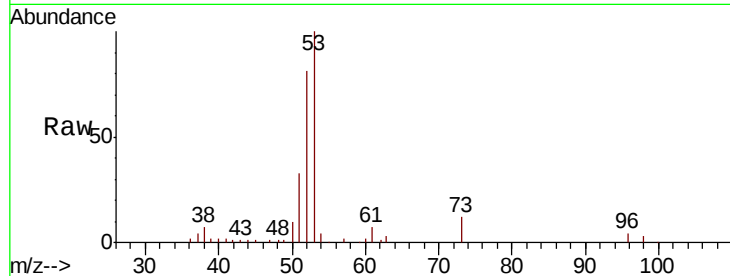
ClientSampleId :

VW1008SBS01

Tot Ion:	53	Resp:	69142
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.8	98.8
51	35.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 91.390 ug/l

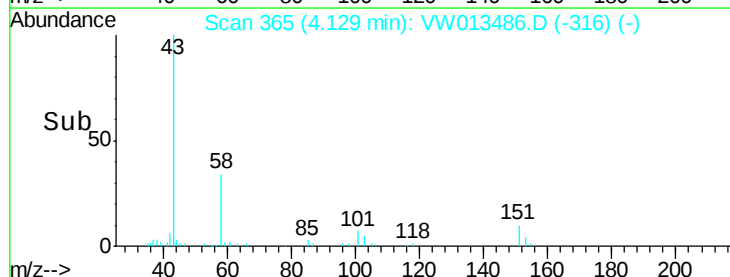
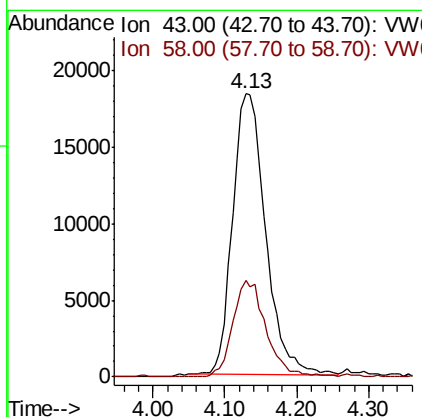
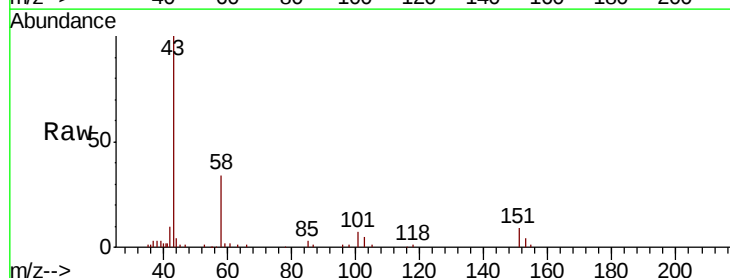
RT: 4.13 min Scan# 365

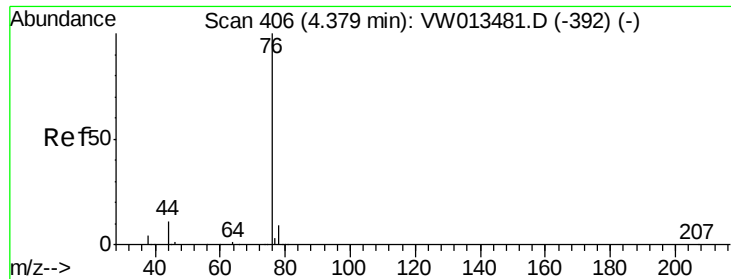
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	43	Resp:	58786
Ion	Ratio	Lower	Upper
43	100		
58	34.4	26.1	39.1





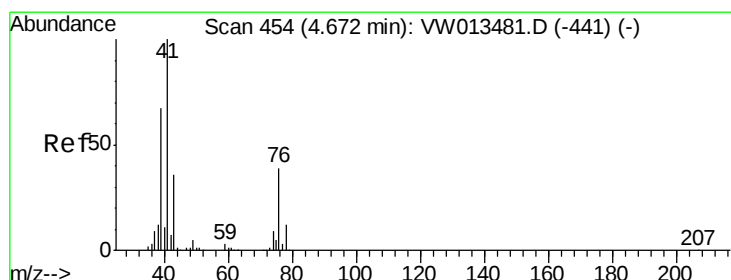
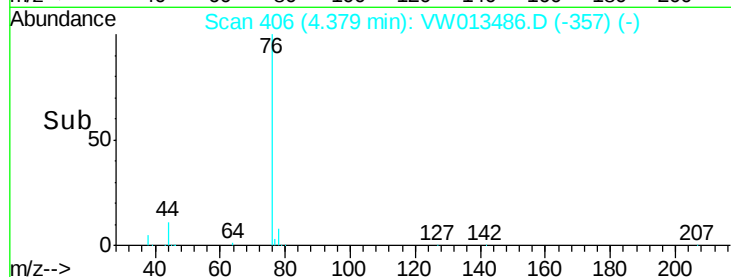
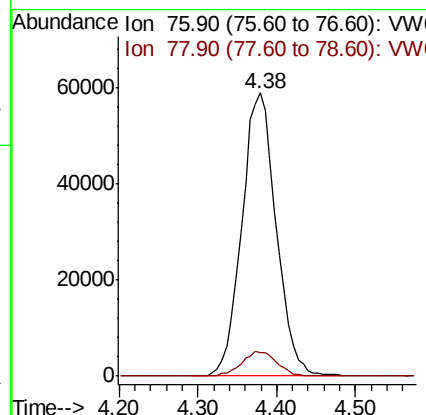
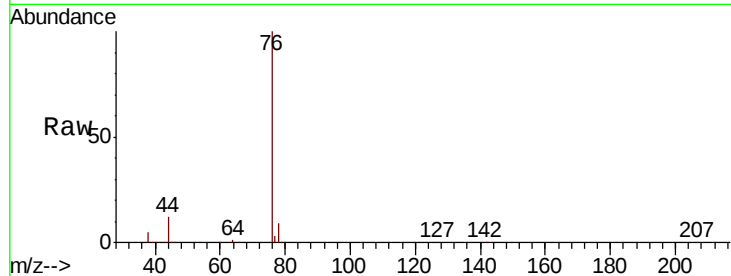
#17
Carbon Disulfide
Concen: 20.460 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

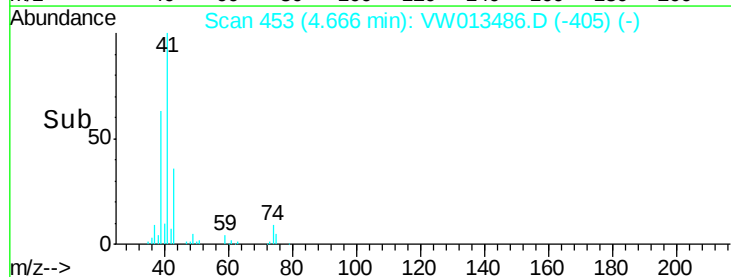
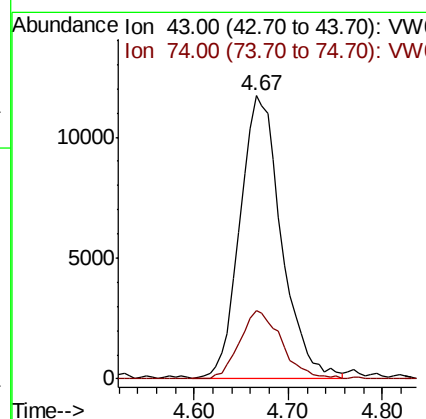
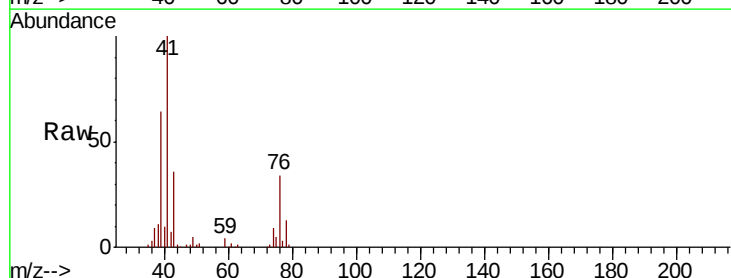
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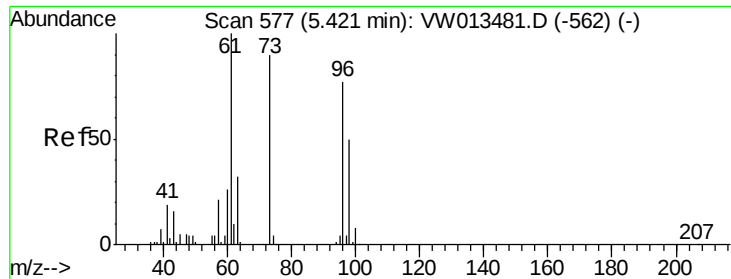
MMDadoda
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#18
Methyl Acetate
Concen: 19.623 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.6	29.4





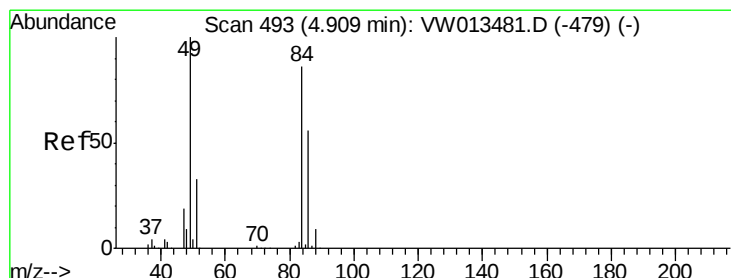
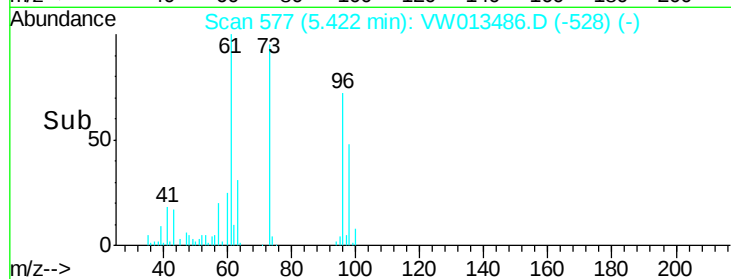
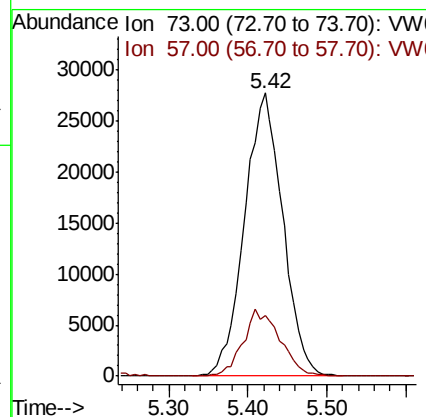
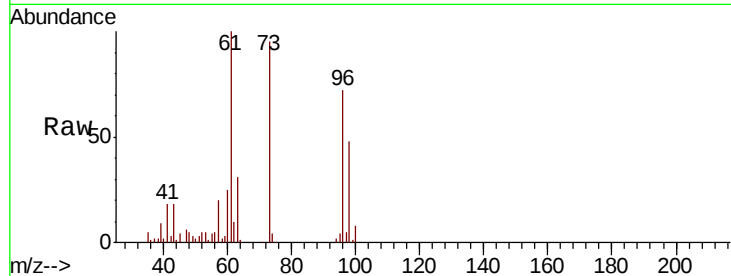
#19
Methvl tert-butvl Ether
Concen: 19.941 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.6	27.8

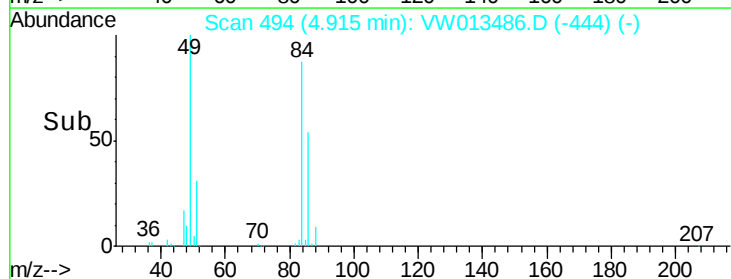
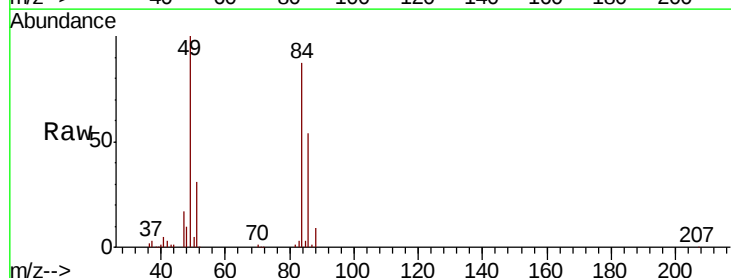
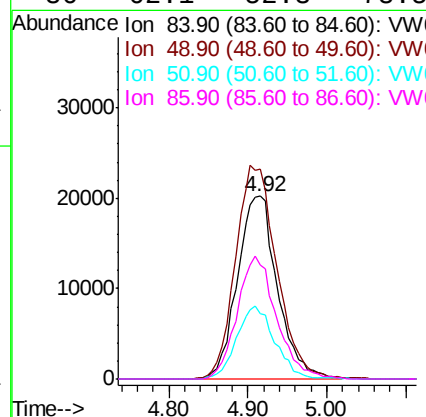
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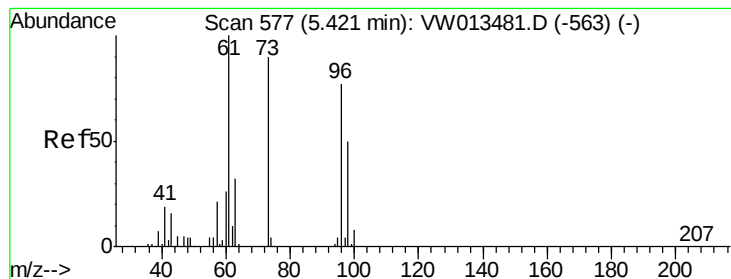
MMDadoda
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#20
Methylene Chloride
Concen: 20.632 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.5	93.4	140.0
51	36.0	30.6	46.0
86	62.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.757 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

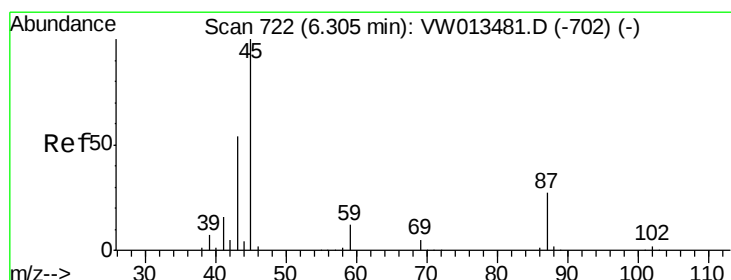
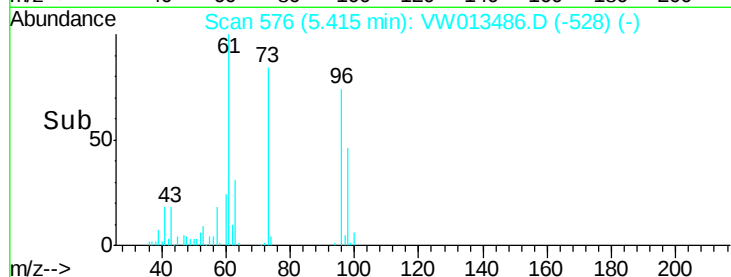
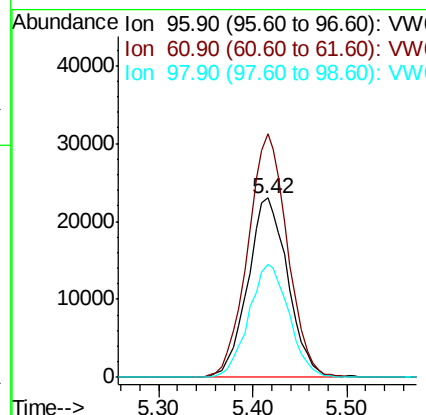
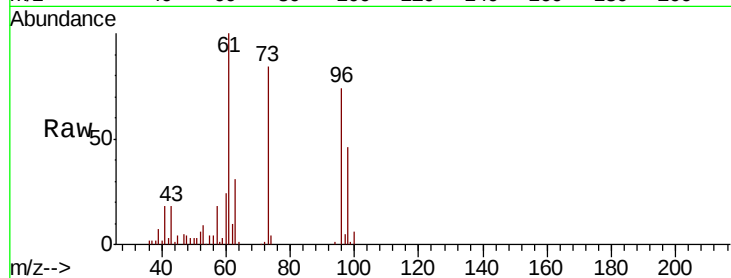
ClientSampleId :

VW1008SBS01

Tot Ion:	96	Resp:	68491
Ion	Ratio	Lower	Upper
96	100		
61	135.8	104.3	156.5
98	63.0	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.762 ug/l

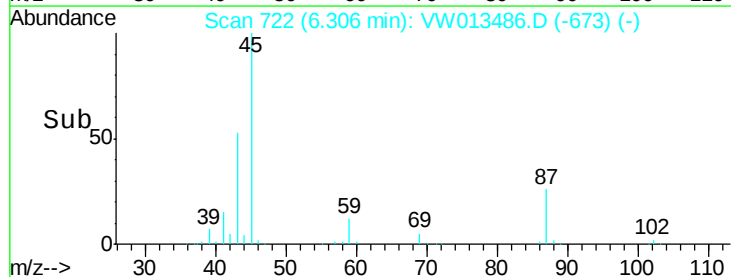
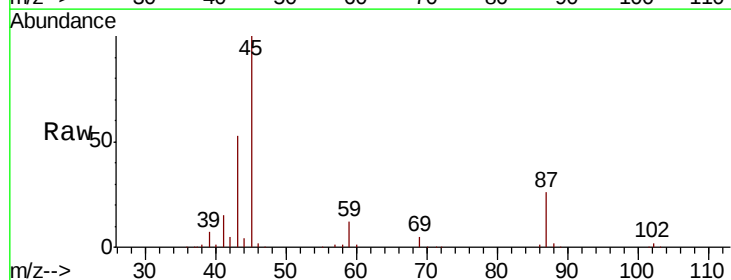
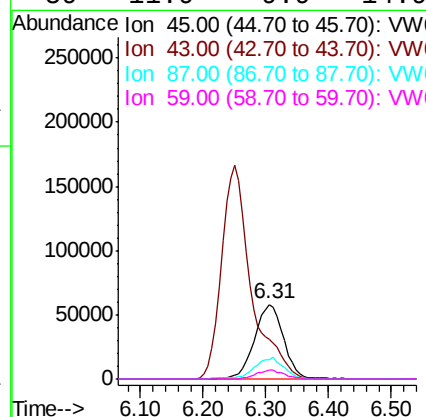
RT: 6.31 min Scan# 722

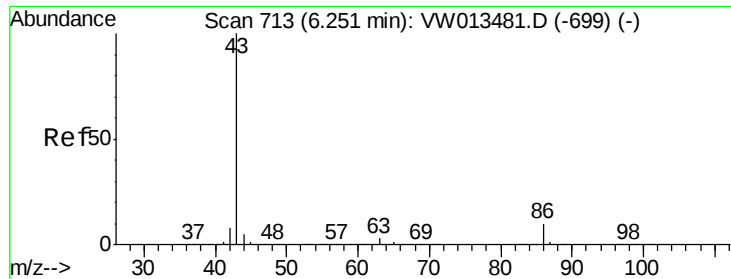
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	45	Resp:	185630
Ion	Ratio	Lower	Upper
45	100		
43	53.0	43.4	65.0
87	26.4	22.1	33.1
59	11.9	9.9	14.9





#23

Vinyl Acetate

Concen: 101.355 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 43 Resp: 544049

Ion Ratio Lower Upper

43 100

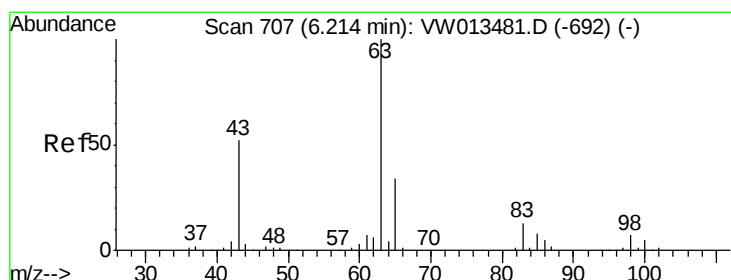
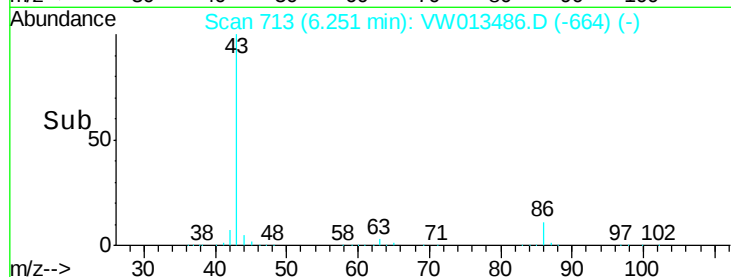
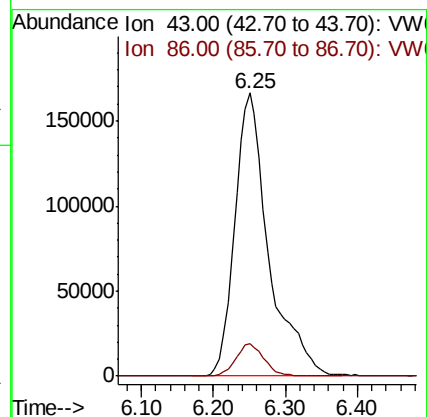
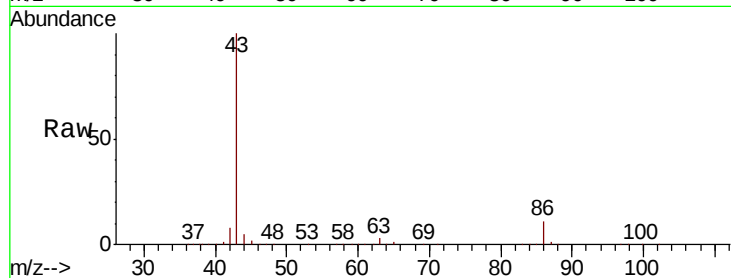
86 11.3 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 20.603 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

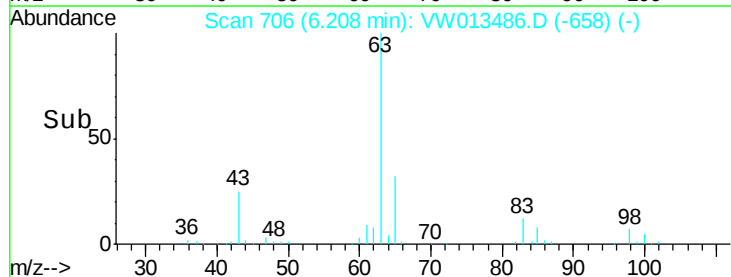
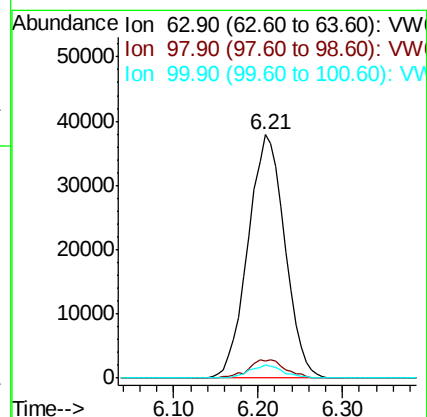
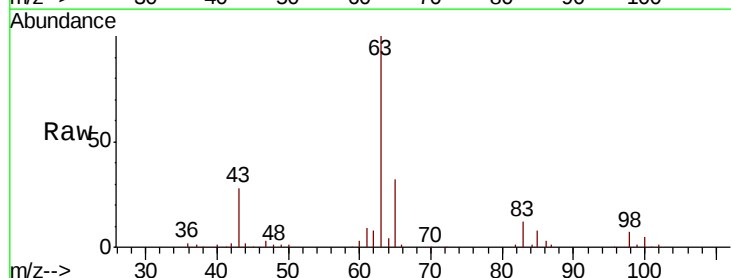
Tgt Ion: 63 Resp: 112589

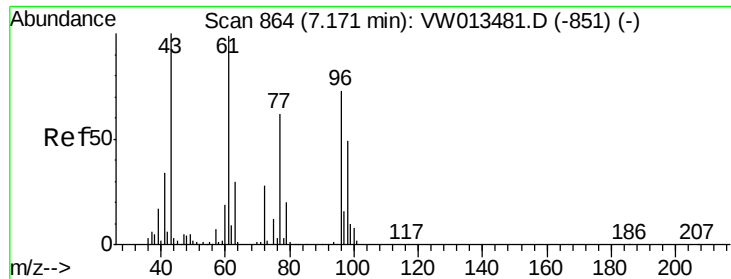
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 5.3 2.3 6.8





#25

2-Butanone

Concen: 91.333 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 43 Resp: 86582

Ion Ratio Lower Upper

43 100

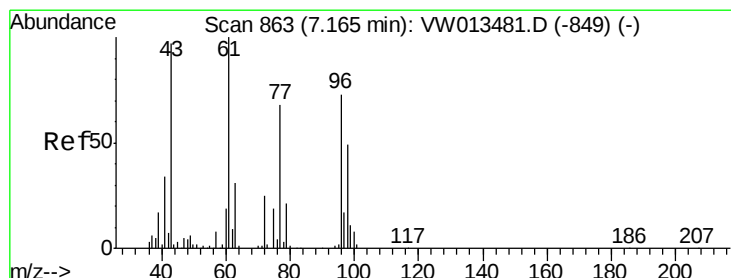
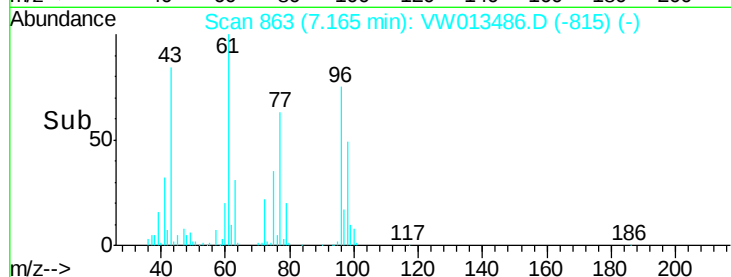
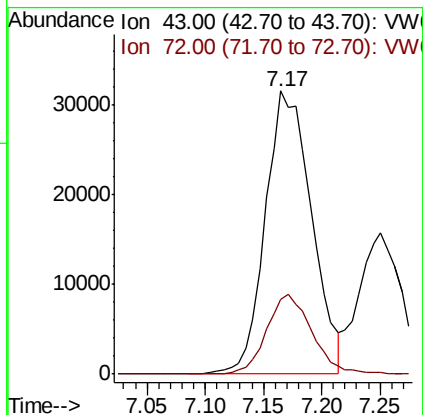
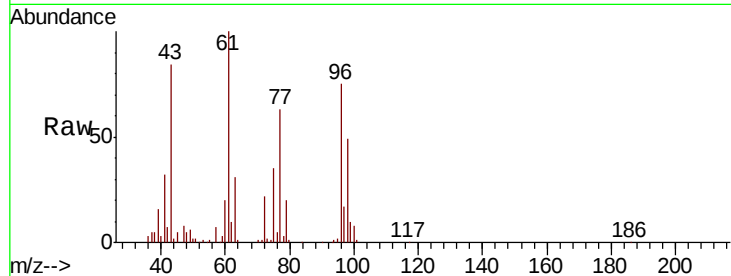
72 26.4 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.275 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013486.D

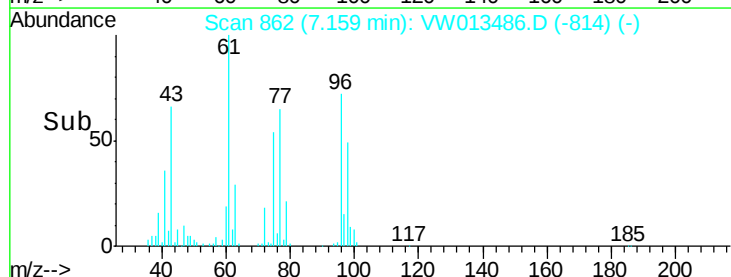
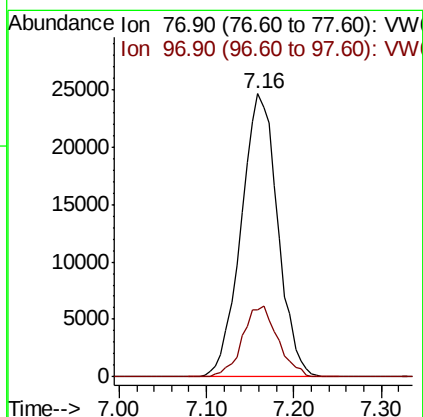
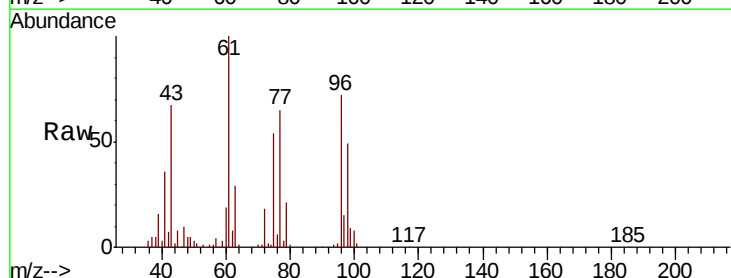
Acq: 08 Oct 2019 15:01

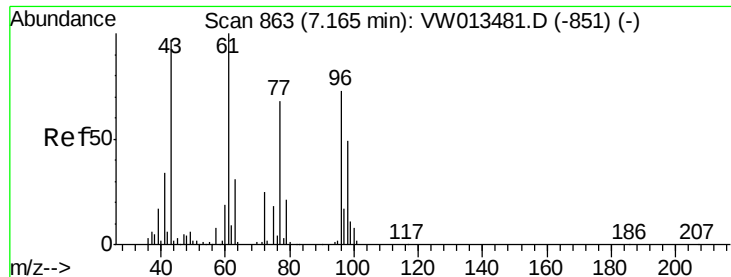
Tgt Ion: 77 Resp: 71425

Ion Ratio Lower Upper

77 100

97 24.1 12.6 37.6





#27

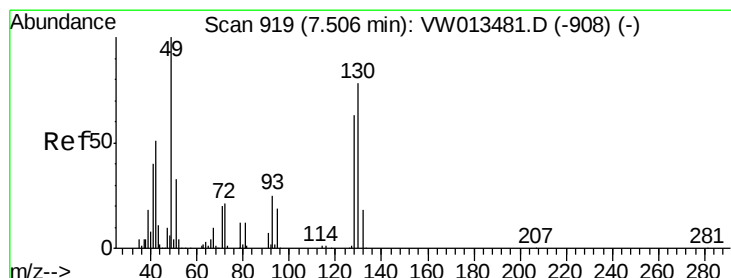
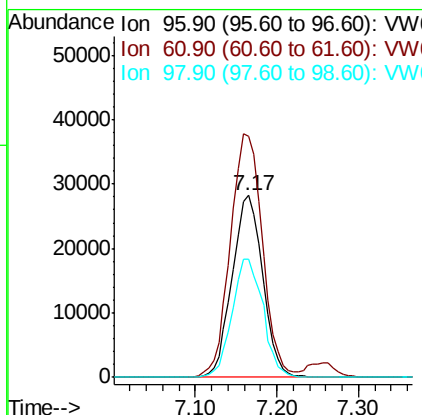
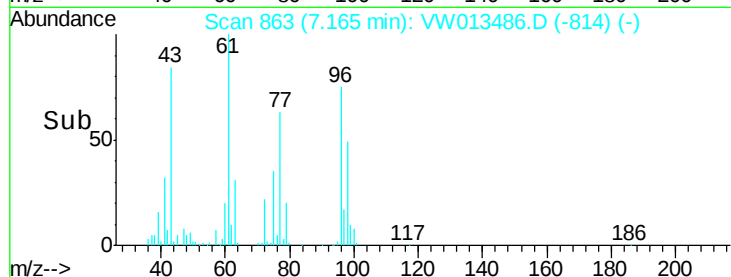
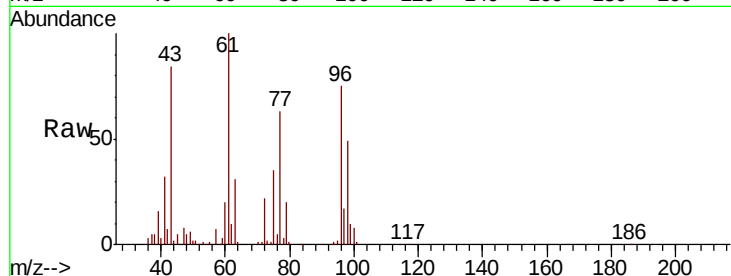
cis-1,2-Dichloroethene
 Concen: 21.009 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampled :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	274.4
98	65.9	0.0	130.2

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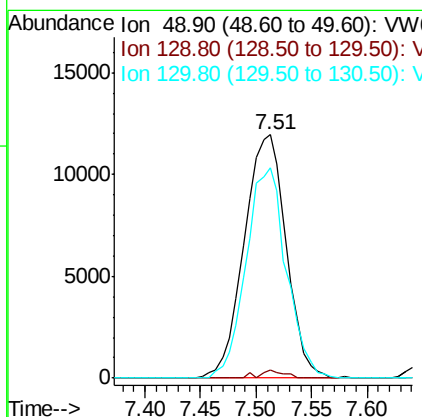
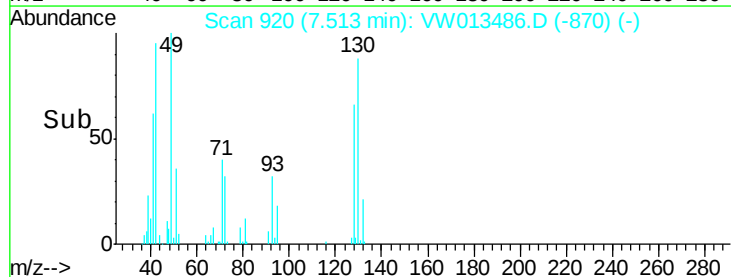
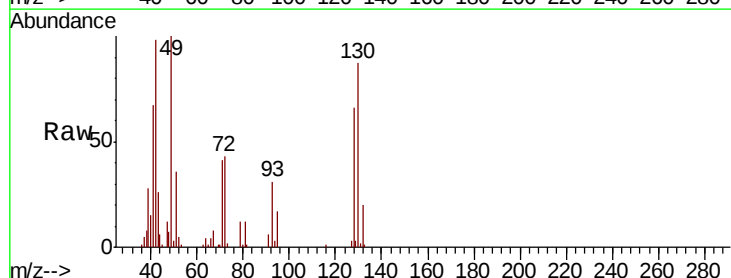
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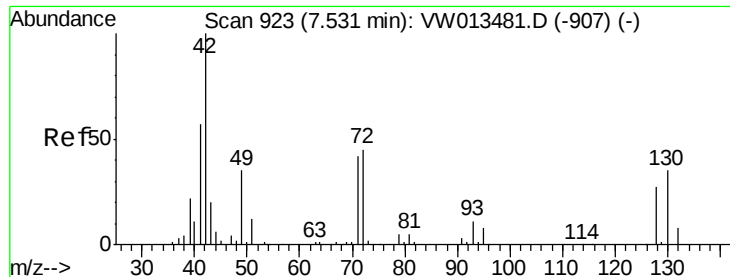


#28

Bromochloromethane
 Concen: 16.490 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.6#
130	83.2	0.0	0.0#





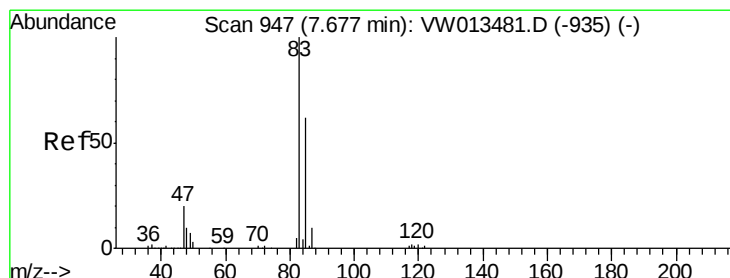
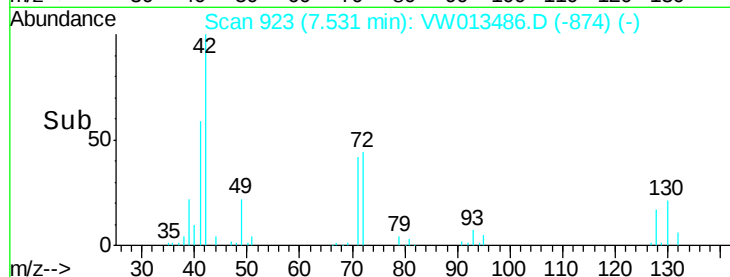
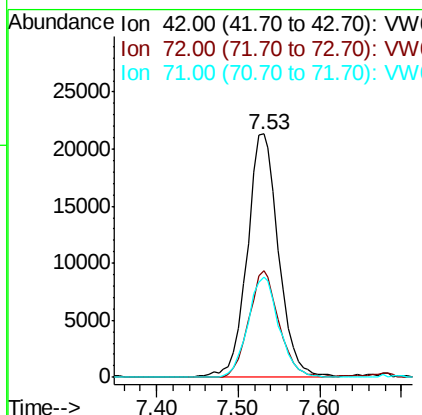
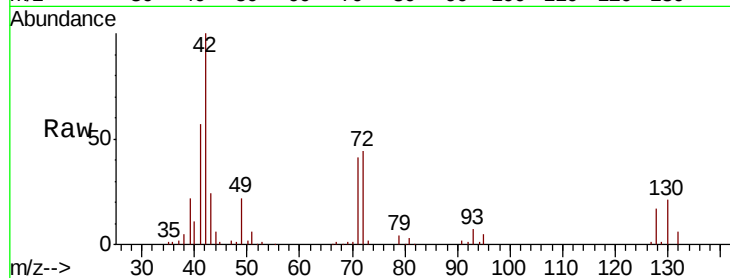
#29
Tetrahydrofuran
Concen: 99.000 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.8	52.2
71	41.0	33.6	50.4

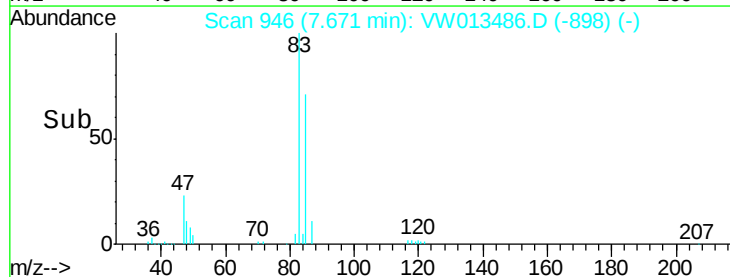
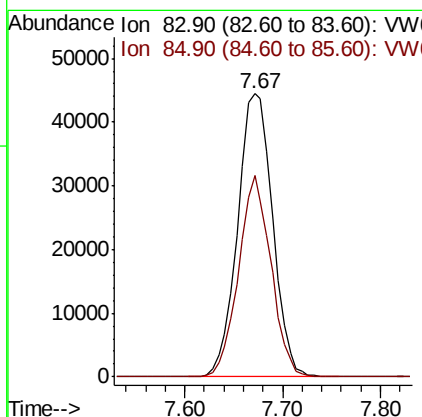
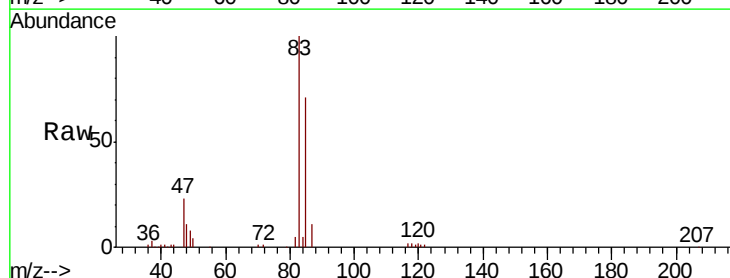
Manual Integrations
APPROVED

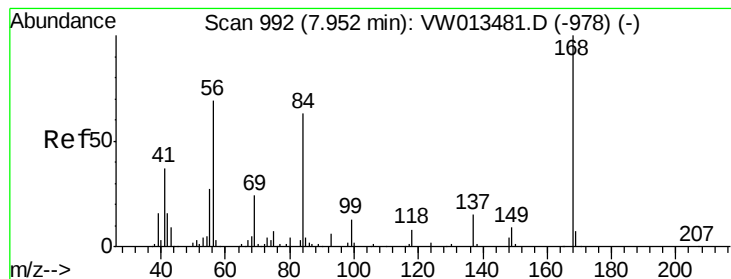
MMDadoda
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#30
Chloroform
Concen: 20.871 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.3	49.4	74.2





#31

Cyclohexane

Concen: 20.555 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

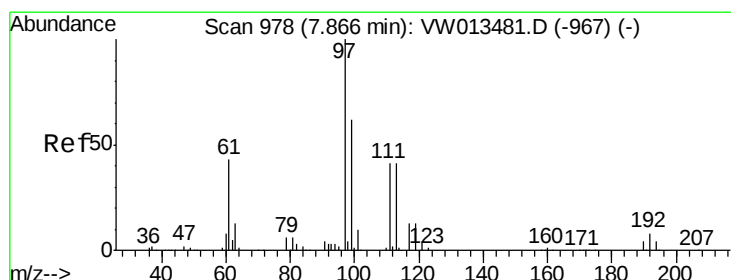
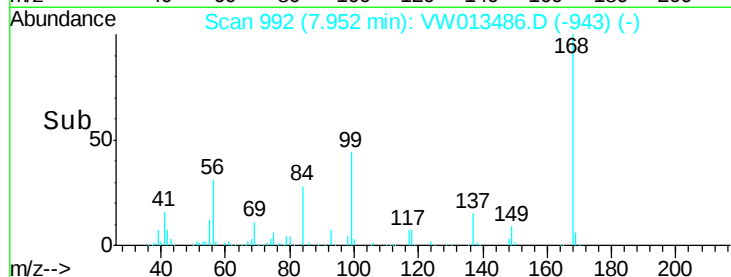
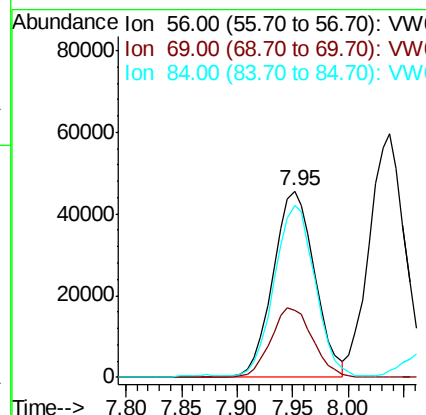
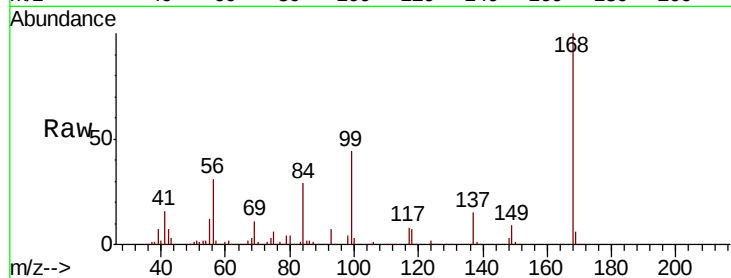
ClientSampleId :

VW1008SBS01

Tot Ion:	56	Resp:	118889
Ion	Ratio	Lower	Upper
56	100		
69	35.9	28.0	42.0
84	90.9	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.241 ug/l

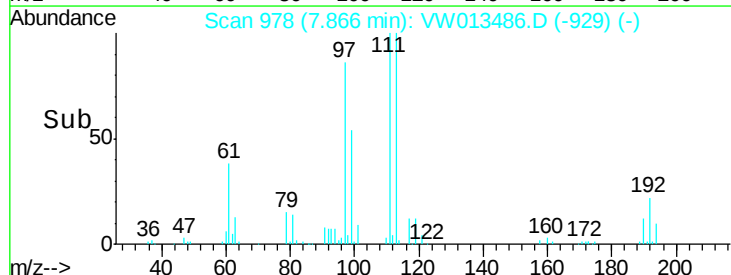
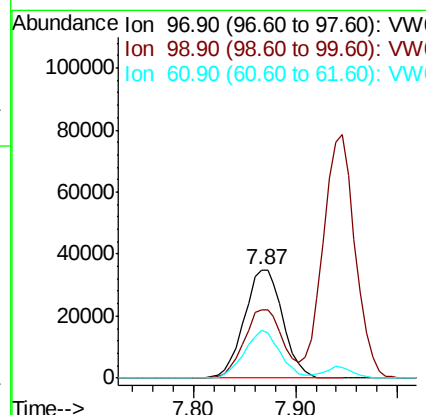
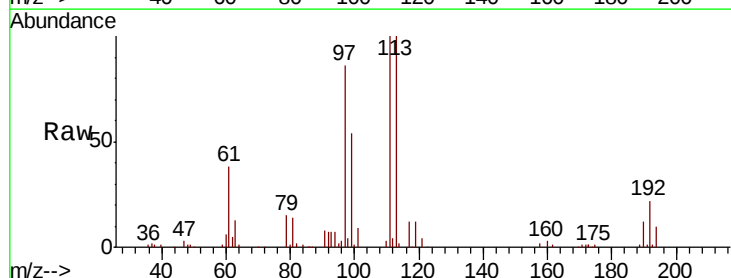
RT: 7.87 min Scan# 978

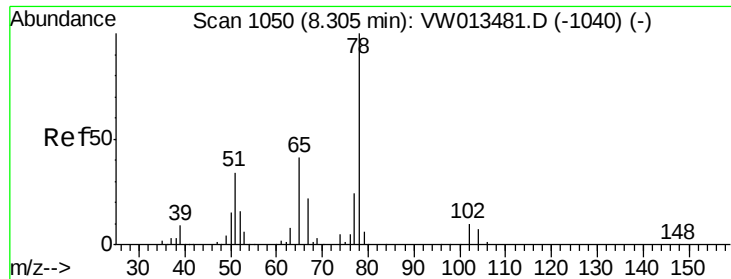
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	97	Resp:	91270
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	40.8	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 49.223 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 65 Resp: 136060

Ion Ratio Lower Upper

65 100

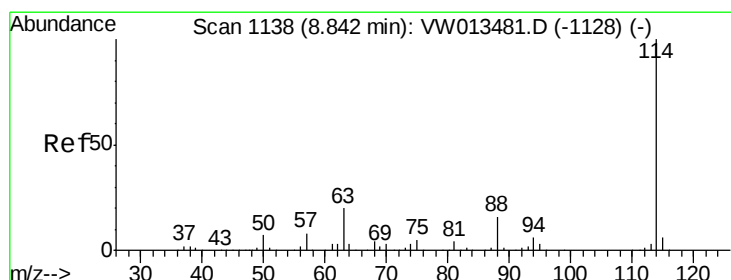
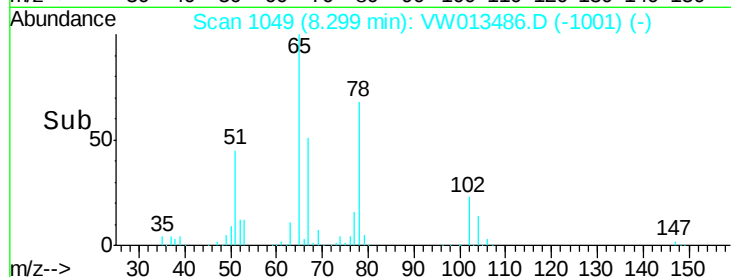
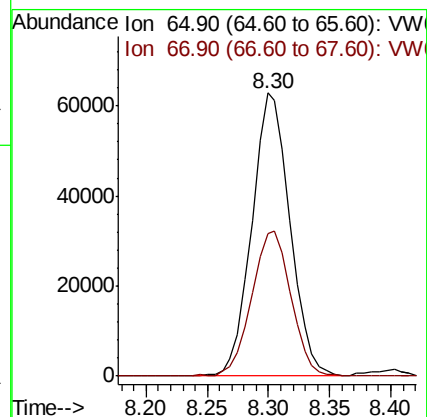
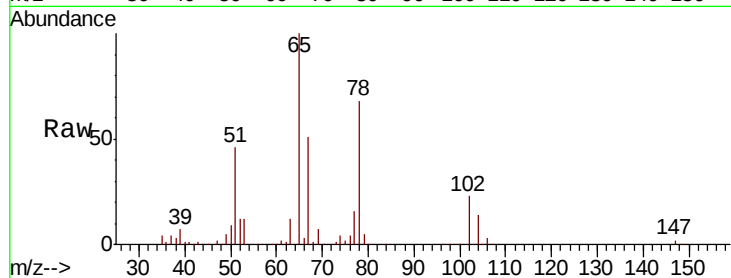
67 52.8 0.0 109.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

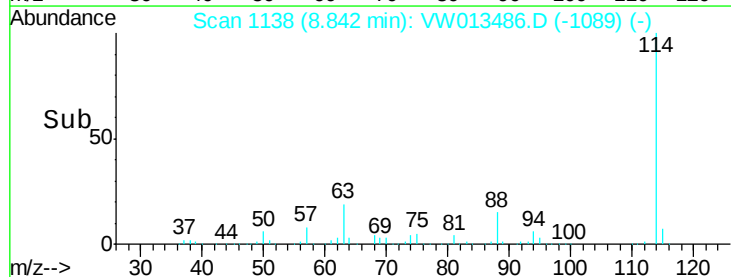
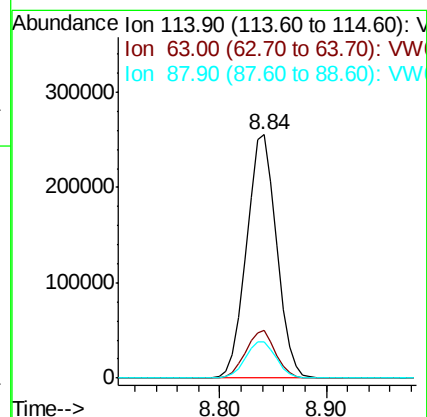
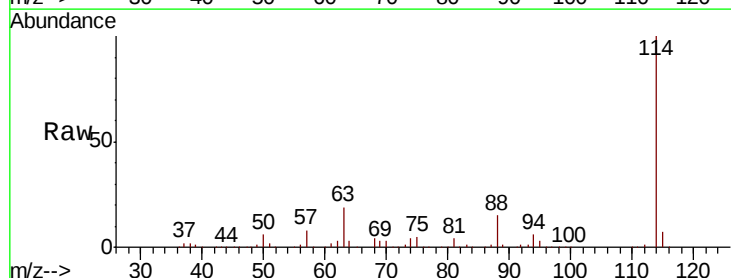
Tgt Ion: 114 Resp: 507768

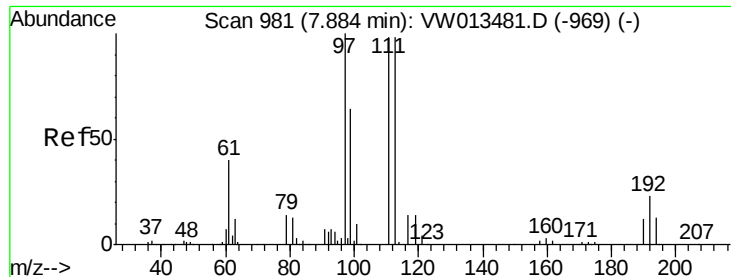
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.647 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

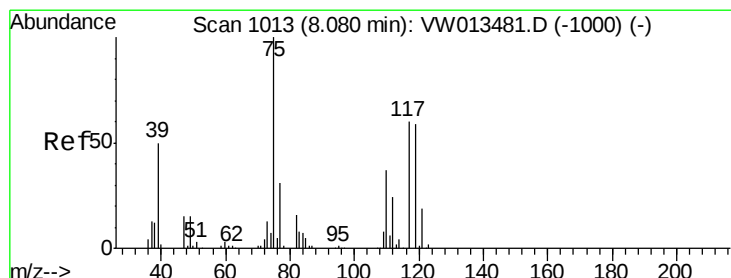
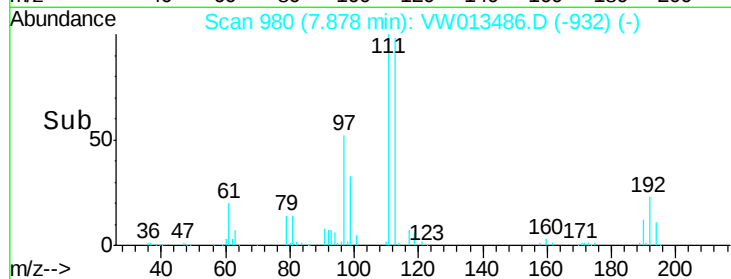
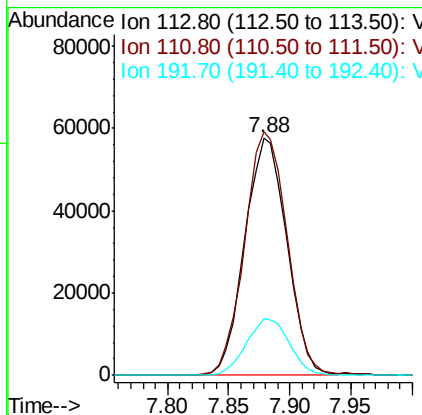
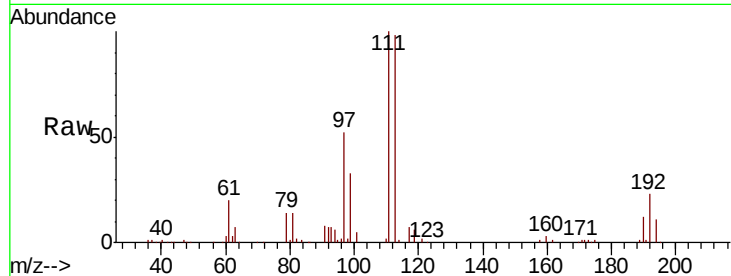
ClientSampleId :

VW1008SBS01

Tot Ion:	113	Resp:	137961
Ion Ratio	Lower	Upper	
113	100		
111	104.1	82.3	123.5
192	24.3	19.3	28.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.669 ug/l

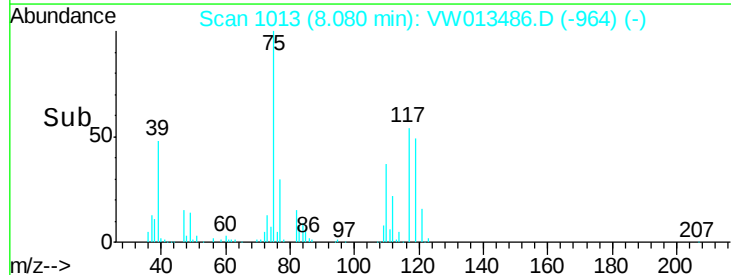
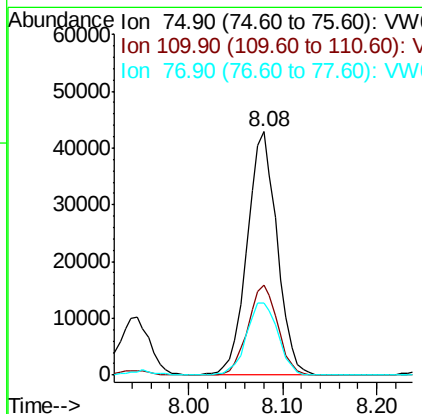
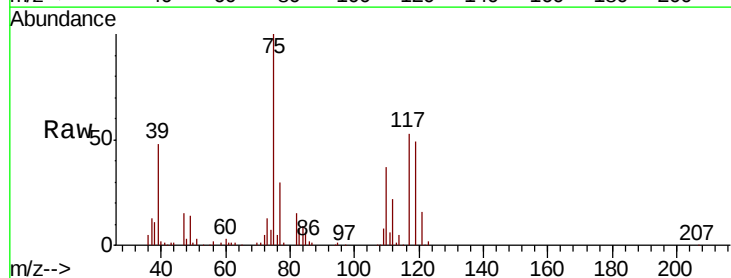
RT: 8.08 min Scan# 1013

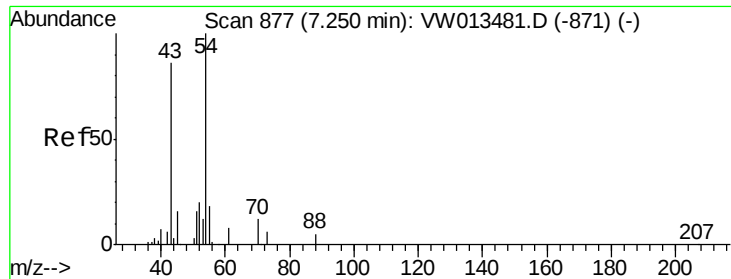
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	75	Resp:	94940
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.4	55.2
77	31.5	25.0	37.4





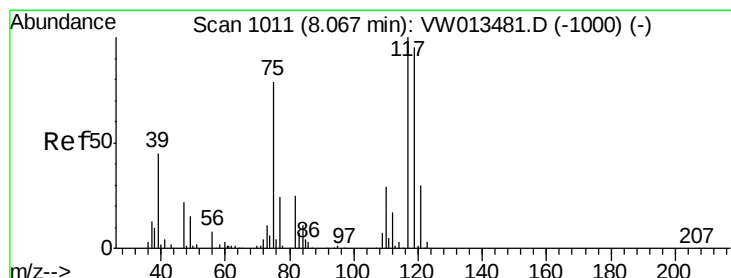
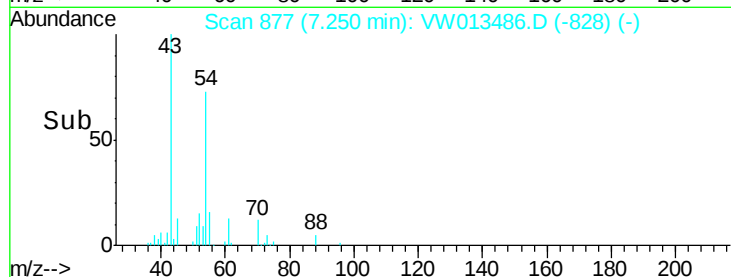
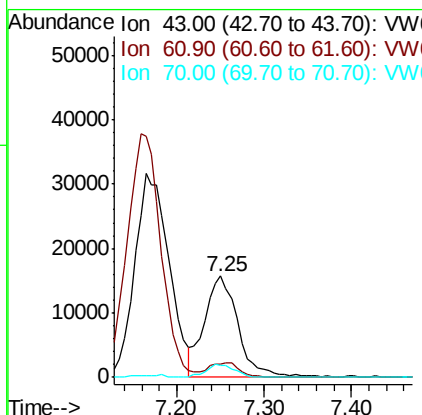
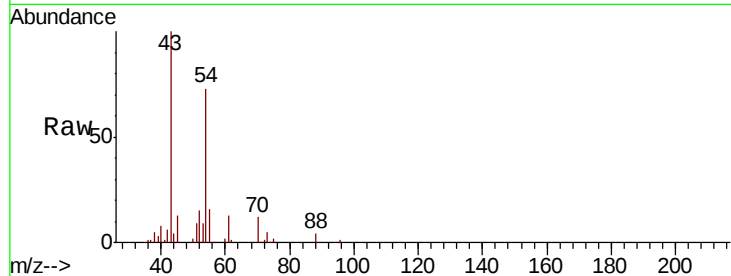
#37
Ethyl Acetate
Concen: 19.964 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	10.9	9.2	13.8

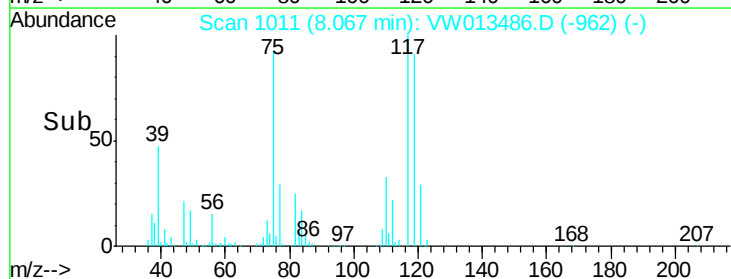
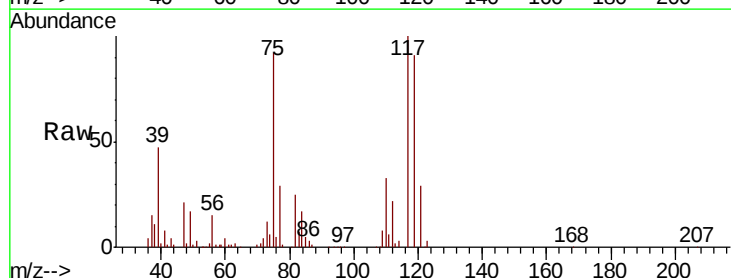
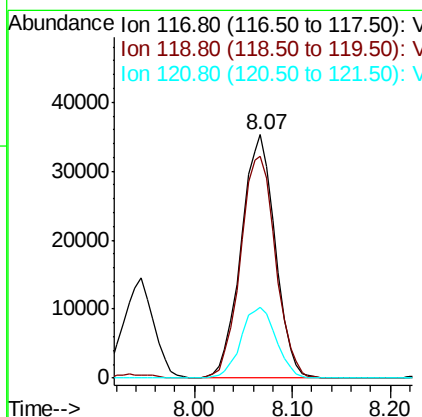
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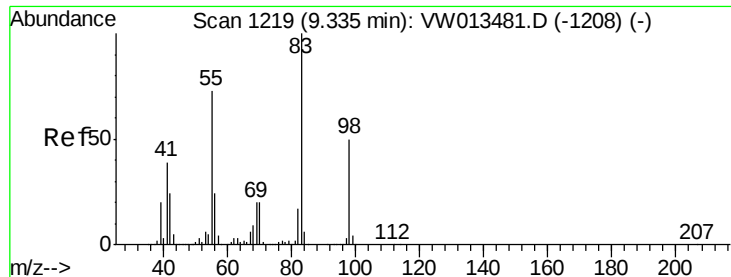
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#38
Carbon Tetrachloride
Concen: 20.874 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	76.3	114.5
121	29.3	23.6	35.4





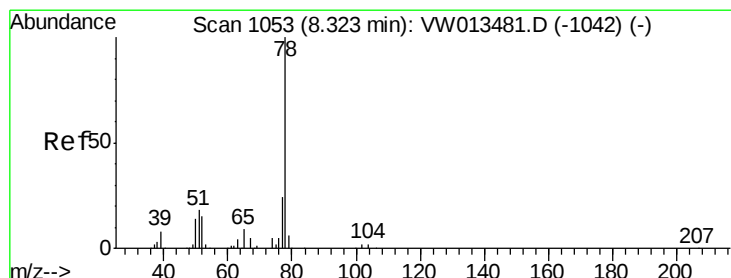
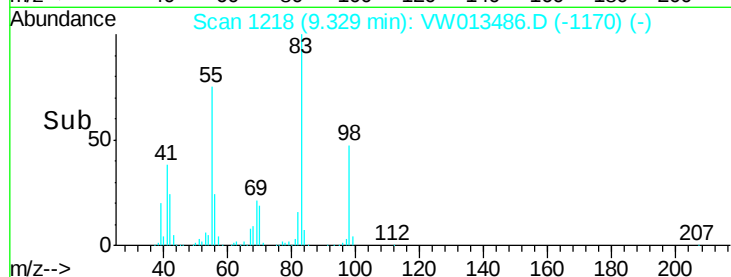
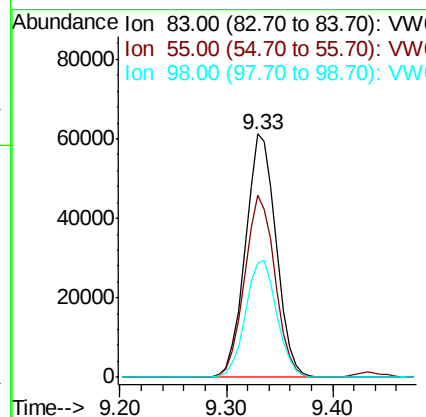
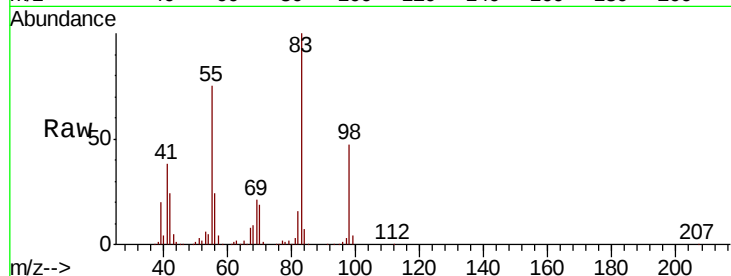
#39
Methvlcvclohexane
Concen: 20.841 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	58.2	87.4
98	47.1	39.8	59.6

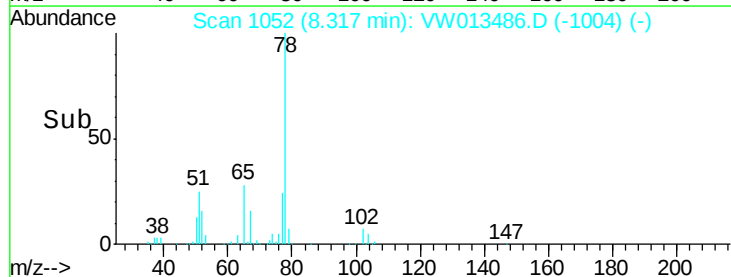
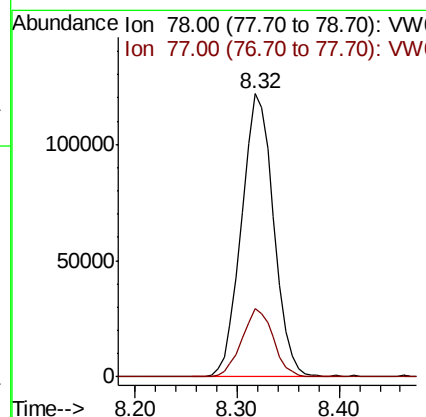
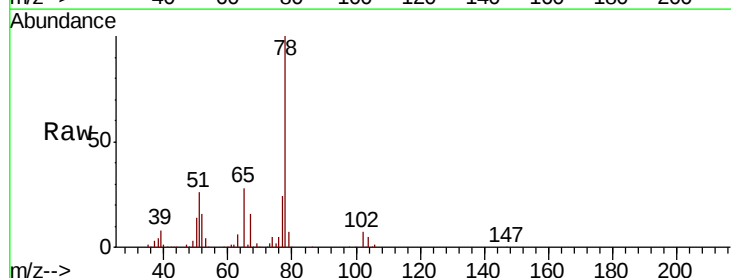
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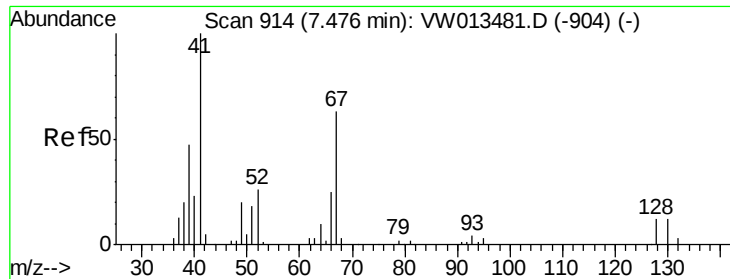
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#40
Benzene
Concen: 20.818 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





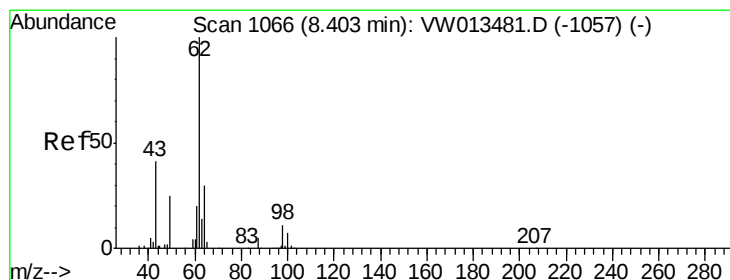
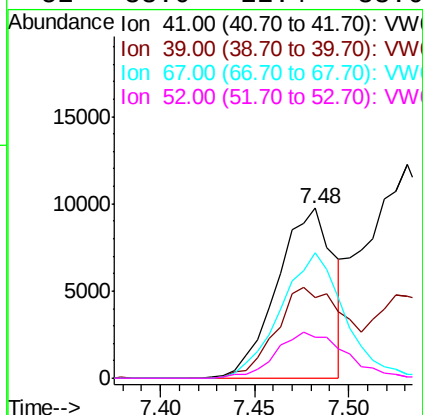
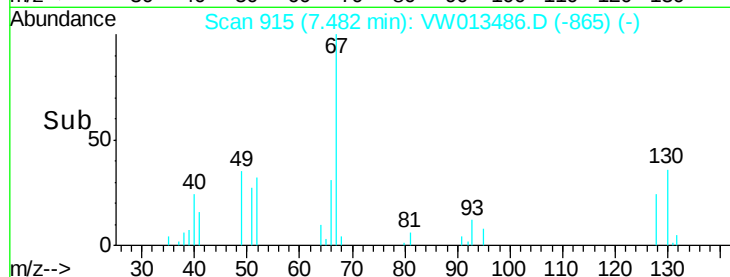
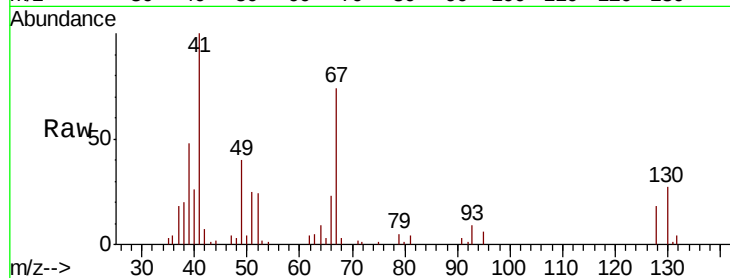
#41
Methacrylonitrile
Concen: 17.210 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.8	39.4	59.0#
67	83.3	57.0	85.6
52	33.0	22.4	33.6

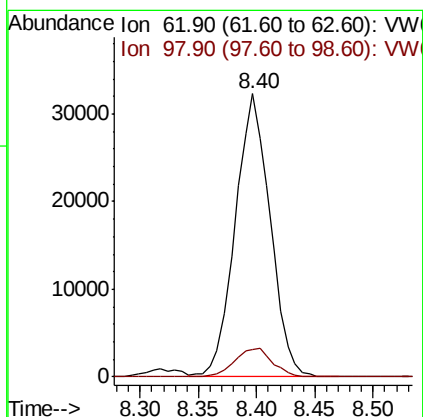
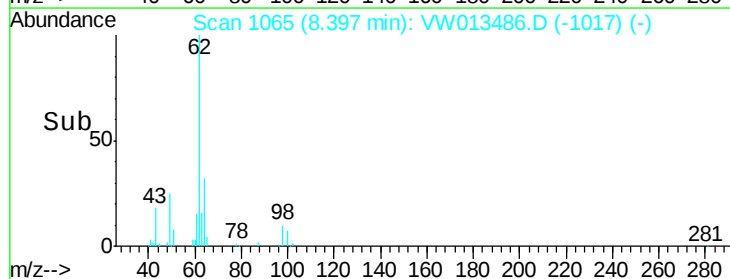
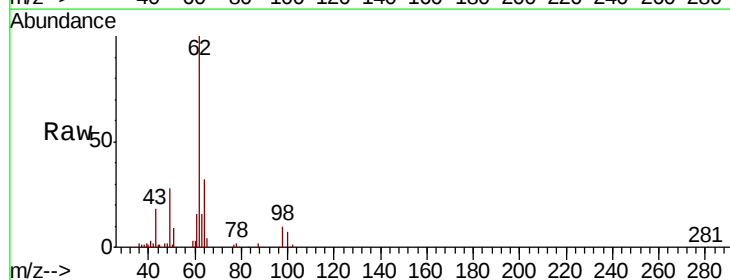
Manual Integrations
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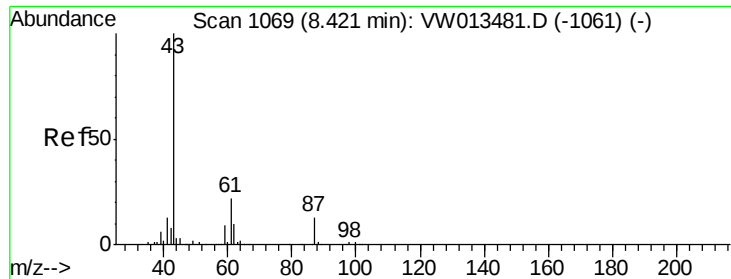
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.854 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

Isopropyl Acetate

Concen: 19.714 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

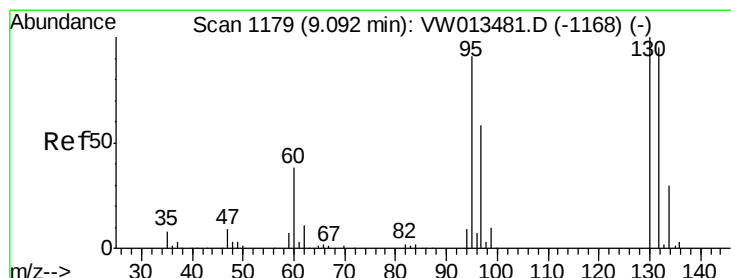
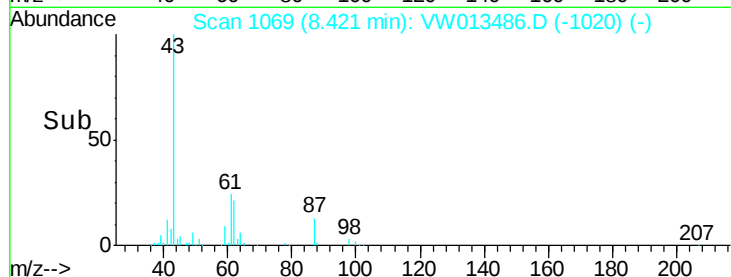
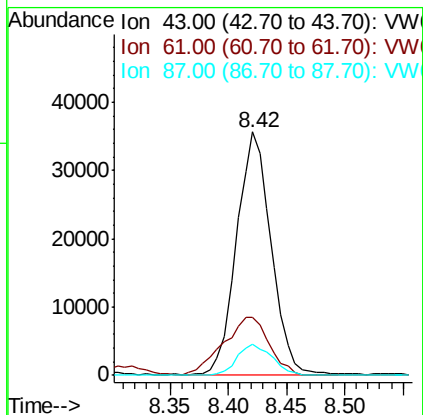
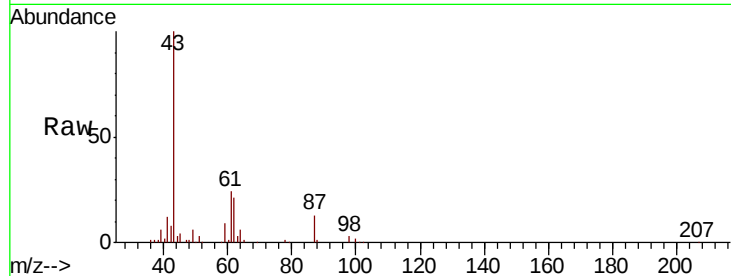
ClientSampleId :

VW1008SBS01

Tot Ion:	43	Resp:	74229
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.4	38.2
87	13.0	10.8	16.2

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#44

Trichloroethene

Concen: 20.711 ug/l

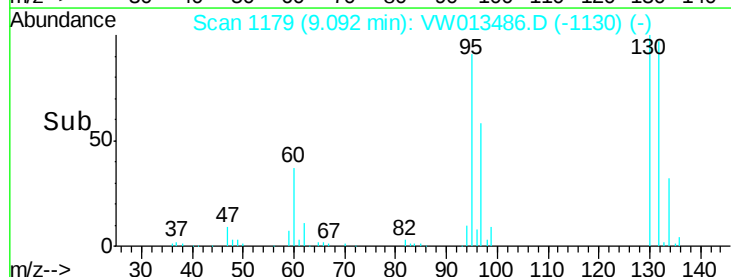
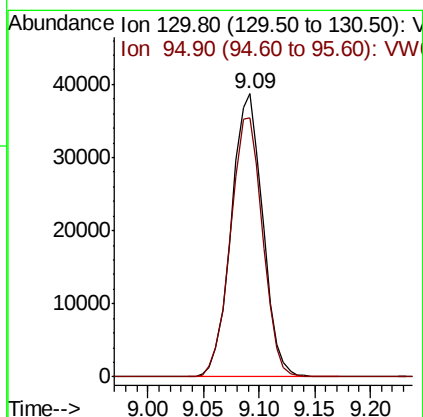
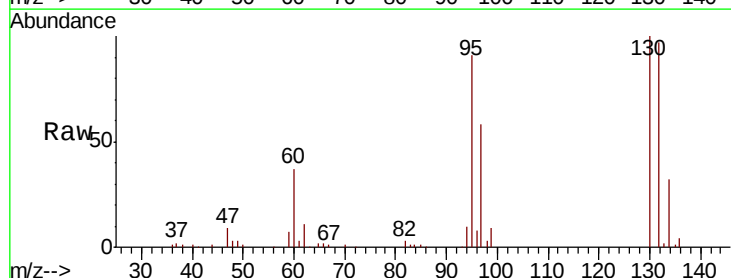
RT: 9.09 min Scan# 1179

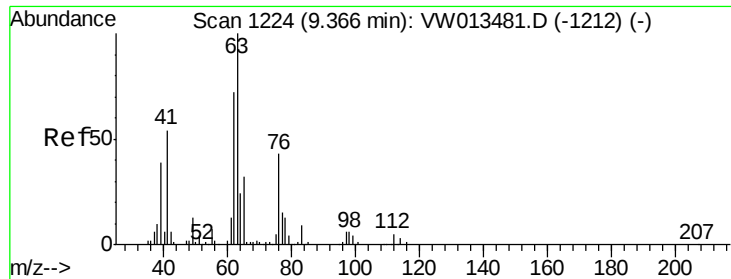
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	130	Resp:	75758
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	182.2





#45

1,2-Dichloropropane

Concen: 20.912 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 63 Resp: 64359

Ion Ratio Lower Upper

63 100

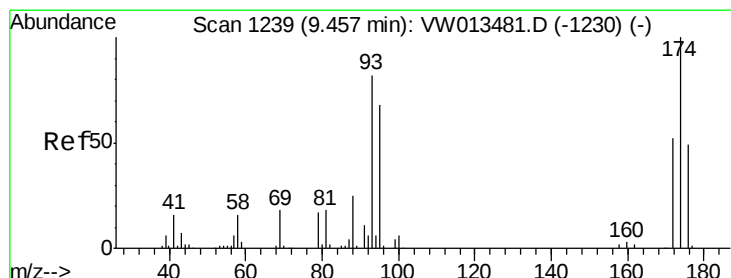
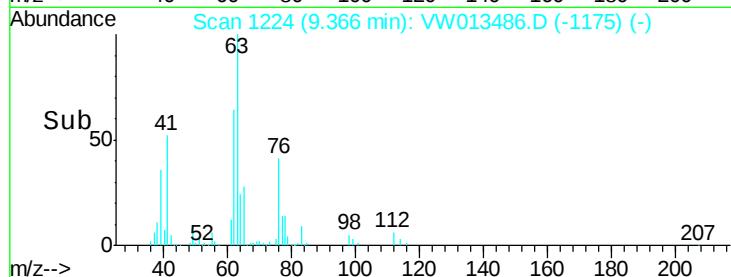
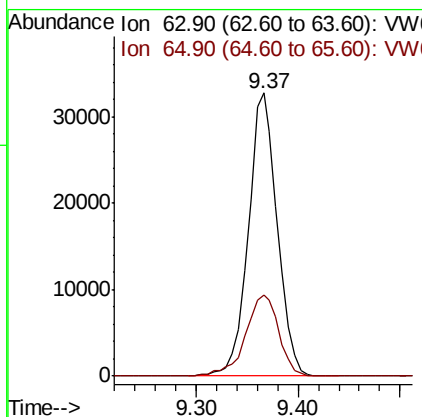
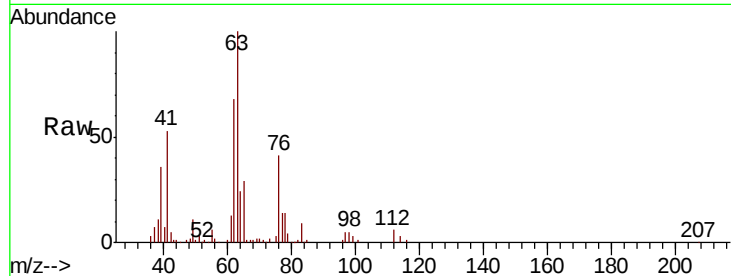
65 28.8 25.8 38.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.507 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

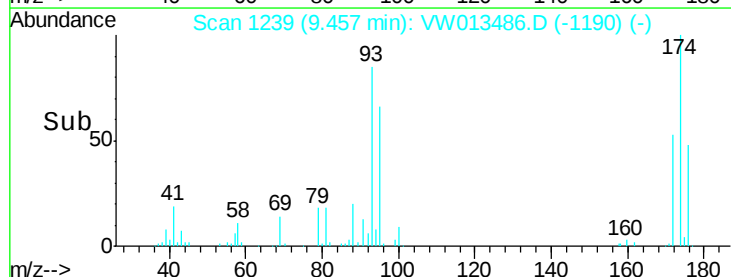
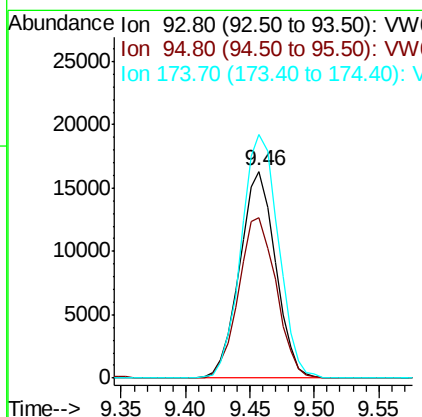
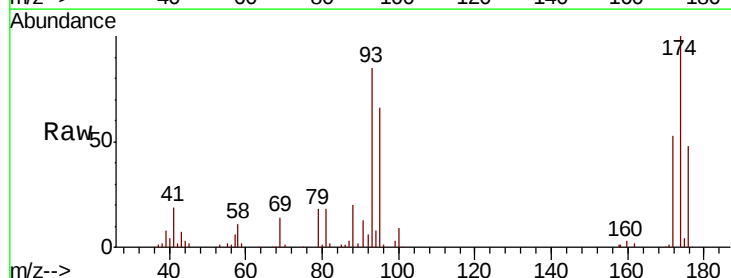
Tgt Ion: 93 Resp: 31441

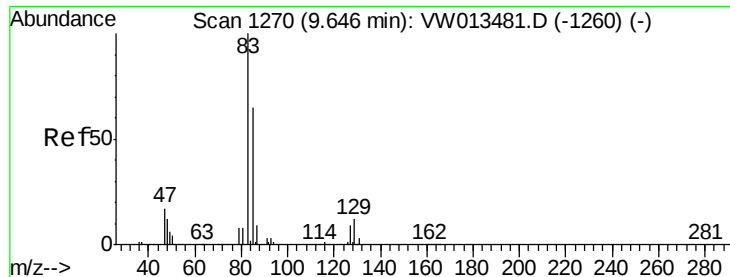
Ion Ratio Lower Upper

93 100

95 81.0 68.0 102.0

174 122.1 97.0 145.6





#47

Bromodichloromethane

Concen: 20.362 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

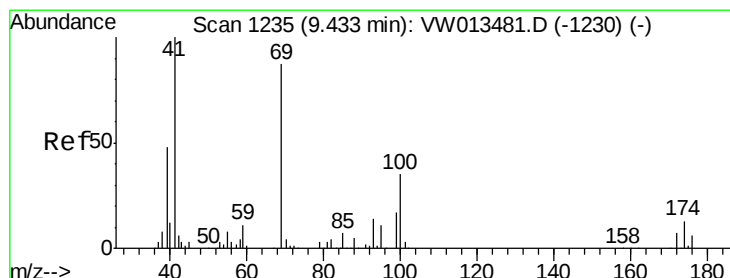
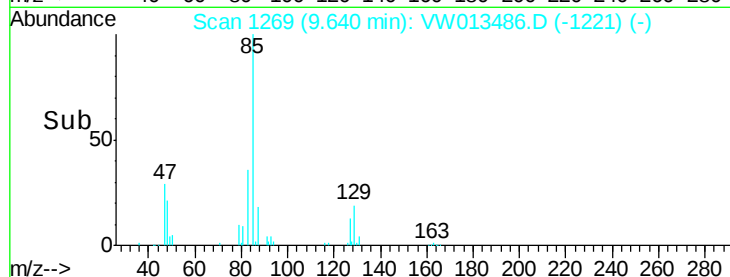
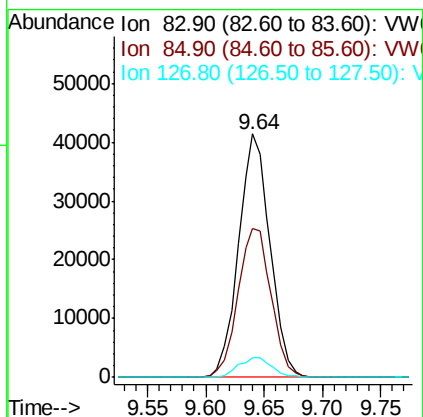
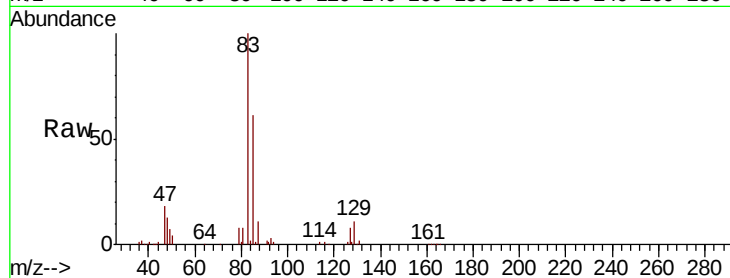
ClientSampleId :

VW1008SBS01

Tot Ion:	83	Resp:	77604
Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.9	77.9
127	8.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.281 ug/l

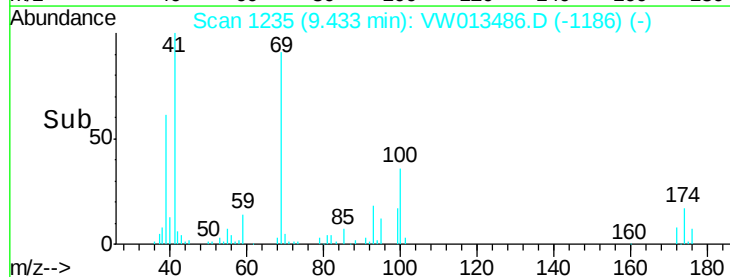
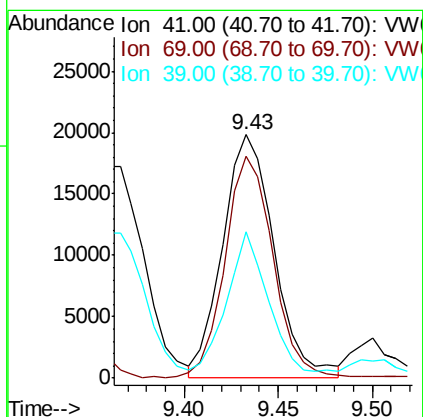
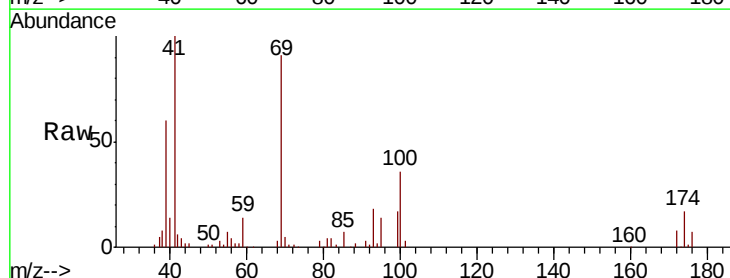
RT: 9.43 min Scan# 1235

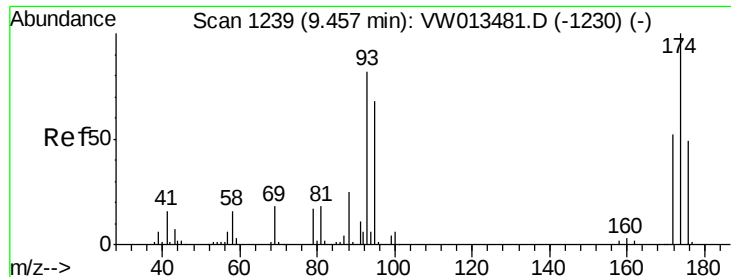
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	41	Resp:	37615
Ion	Ratio	Lower	Upper
41	100		
69	85.0	70.4	105.6
39	45.1	37.3	55.9





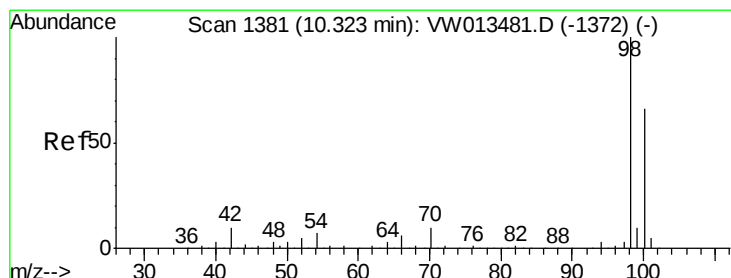
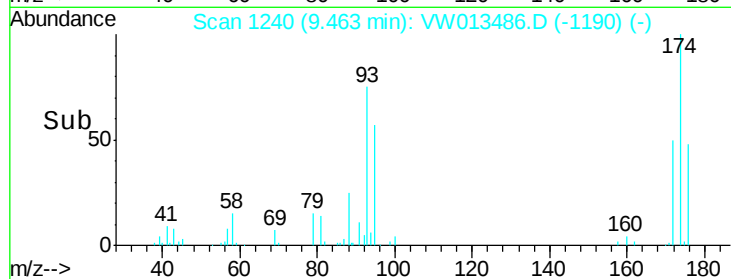
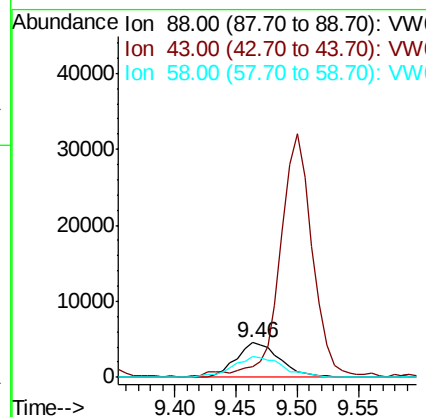
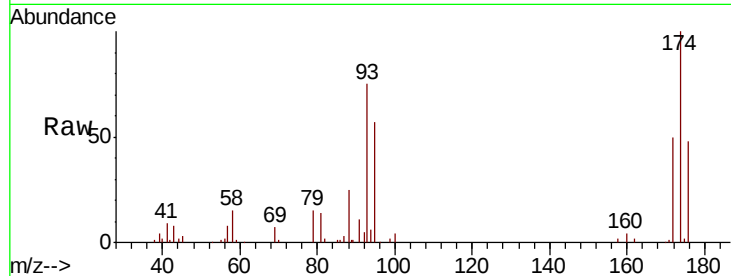
#49
1,4-Dioxane
Concen: 419.002 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	67.1	60.0	90.0

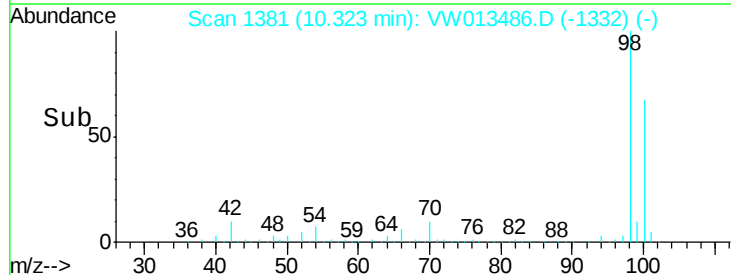
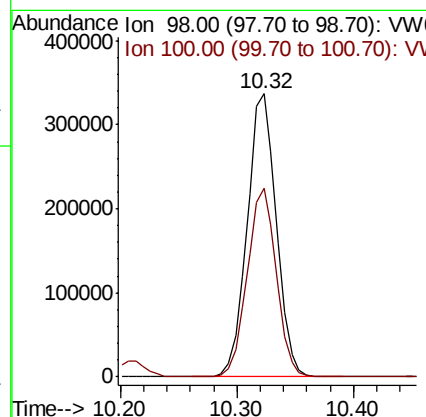
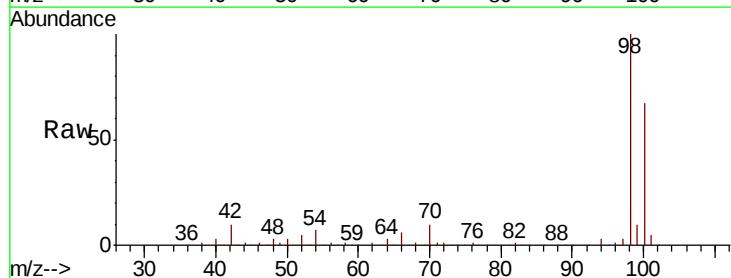
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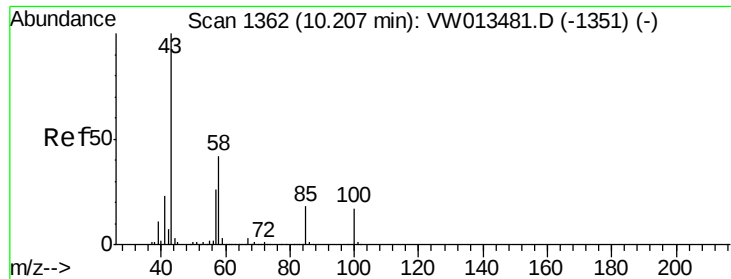
MMDadoda
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#50
Toluene-d8
Concen: 49.385 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 96.320 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 43 Resp: 190668

Ion Ratio Lower Upper

43 100

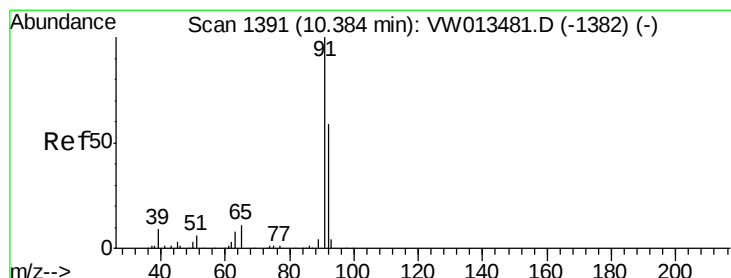
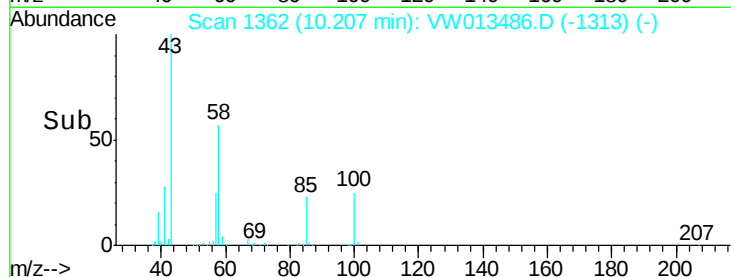
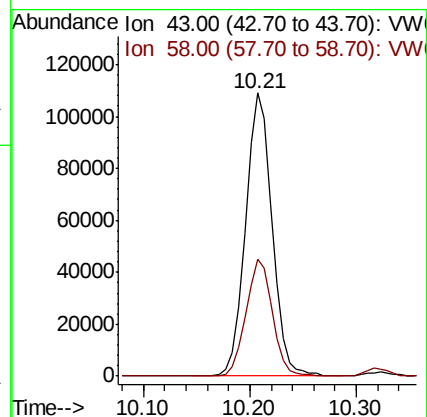
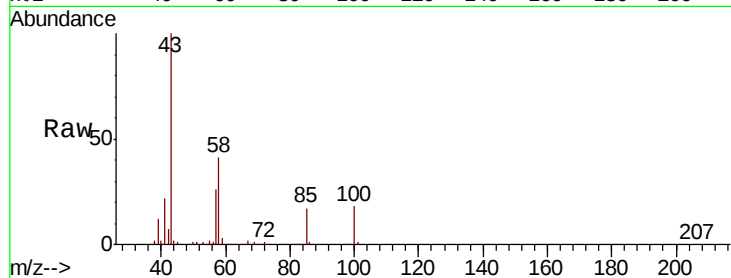
58 41.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 20.833 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013486.D

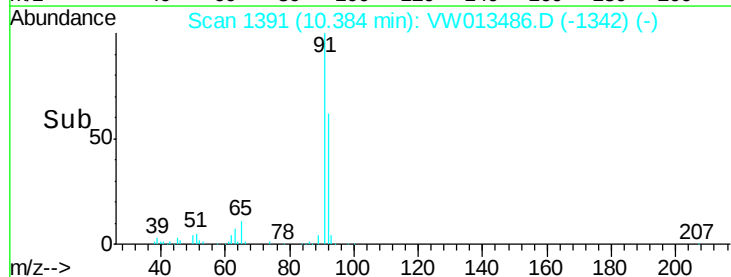
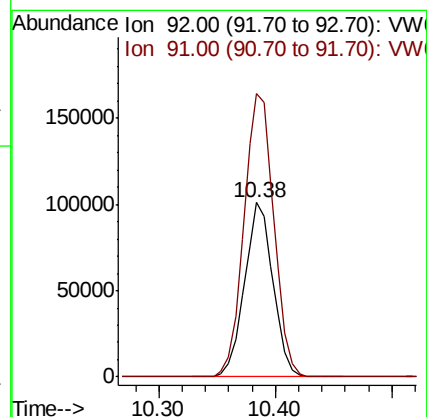
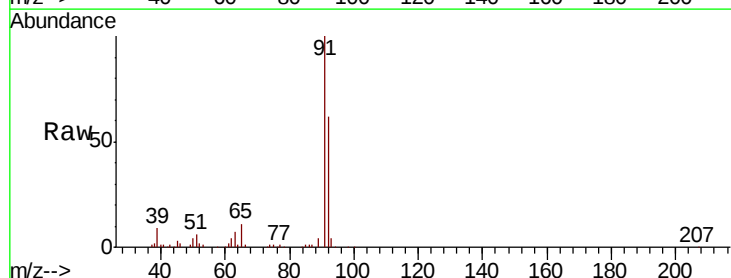
Acq: 08 Oct 2019 15:01

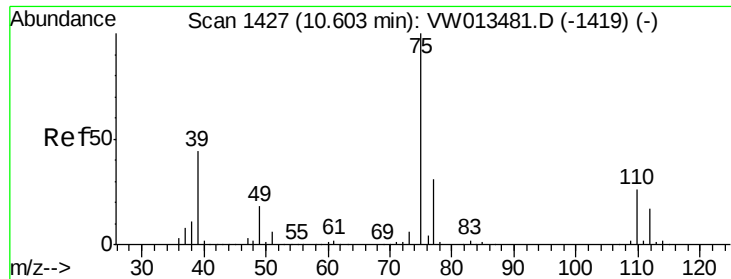
Tgt Ion: 92 Resp: 172071

Ion Ratio Lower Upper

92 100

91 170.3 134.8 202.2





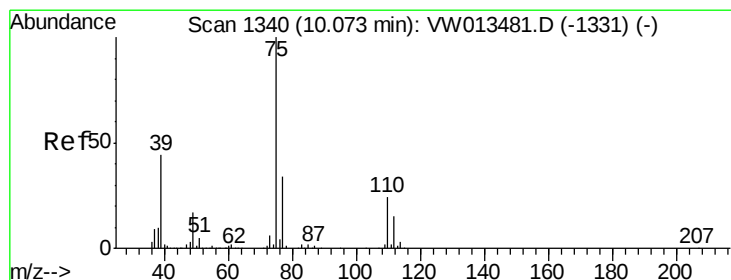
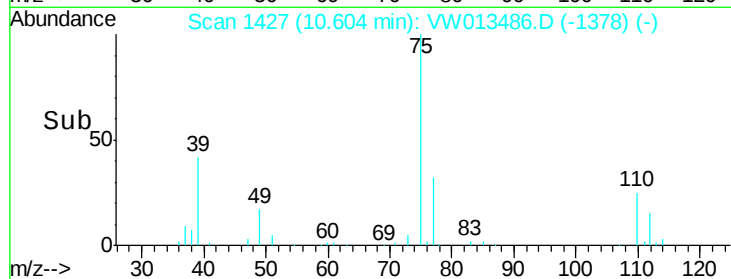
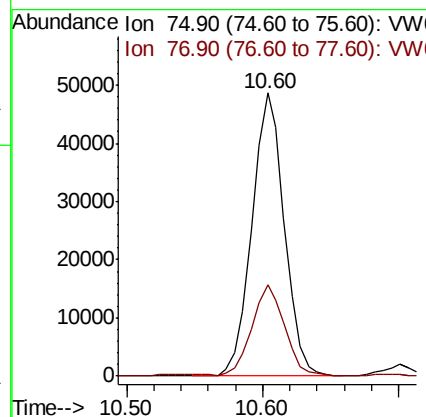
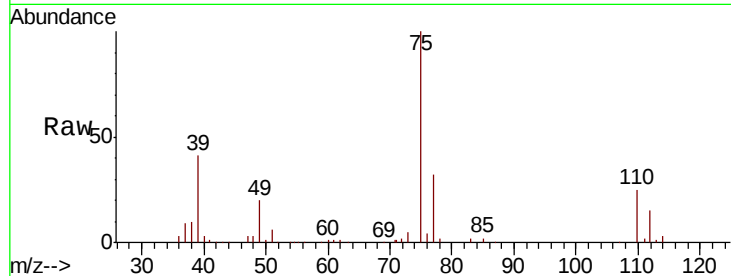
#53
t-1,3-Dichloropropene
Concen: 20.448 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion: 75 Resp: 80980
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

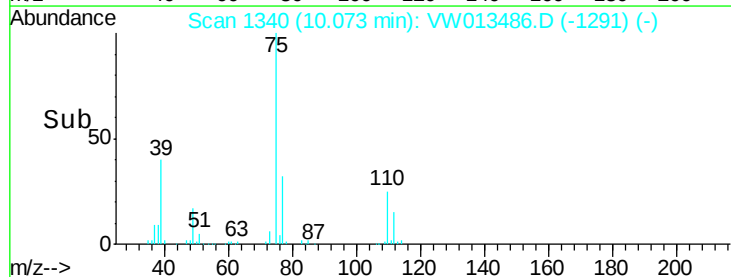
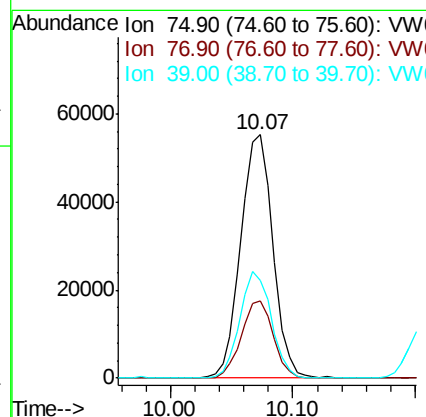
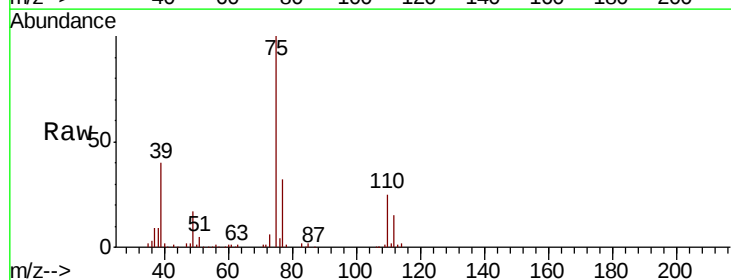
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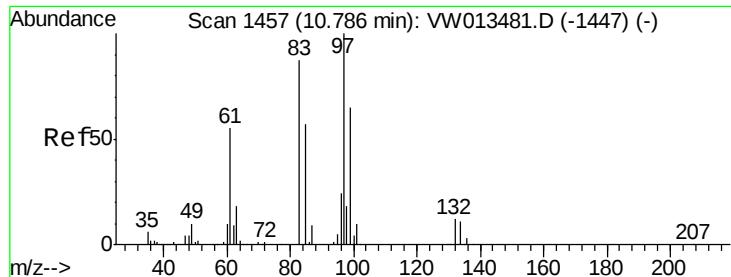
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#54
cis-1,3-Dichloropropene
Concen: 21.011 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 75 Resp: 100809
Ion Ratio Lower Upper
75 100
77 31.8 27.0 40.4
39 40.1 35.0 52.4





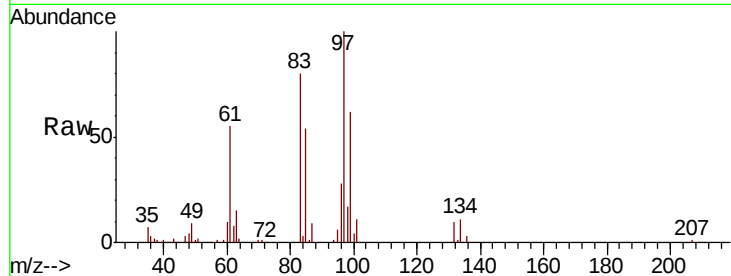
#55
 1,1,2-Trichloroethane
 Concen: 21.001 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion:	97	Resp:	48329
Ion	Ratio	Lower	Upper
97	100		
83	79.5	69.8	104.8
85	53.6	45.4	68.0
99	62.1	51.9	77.9

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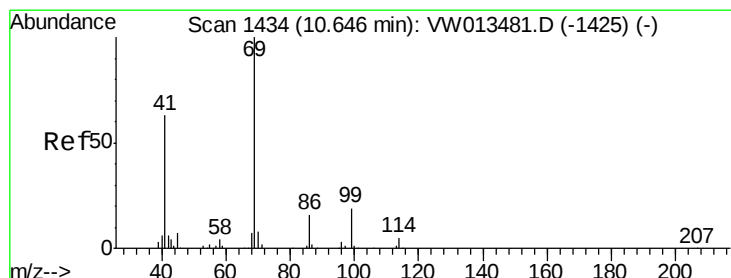
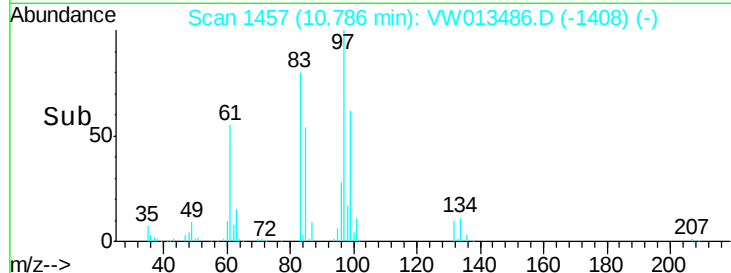
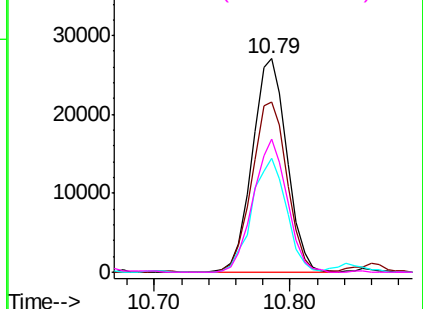
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

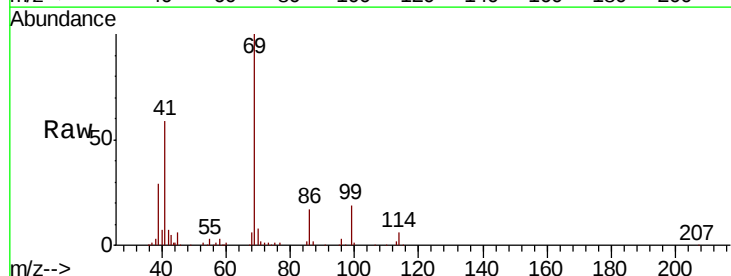
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.175 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion:	69	Resp:	62532
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.8	77.6
39	28.2	21.7	32.5

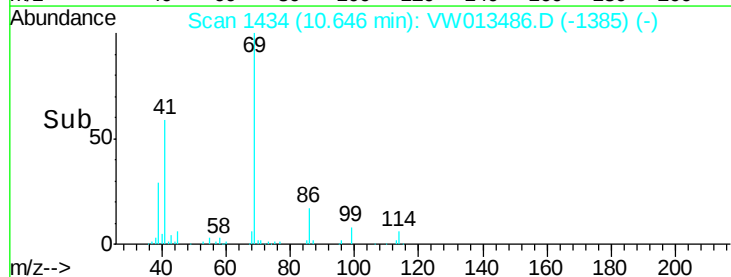
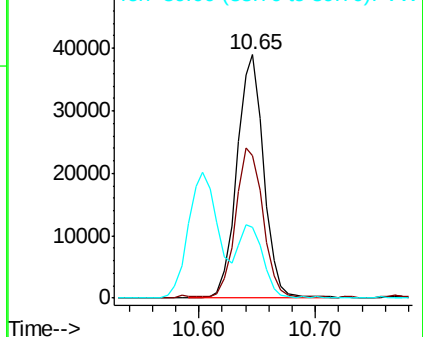


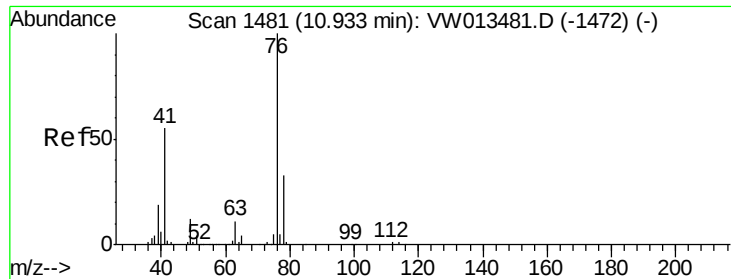
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





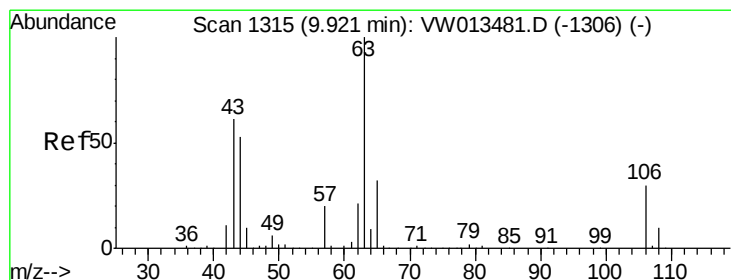
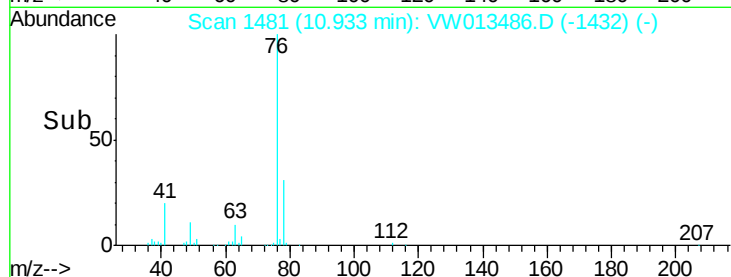
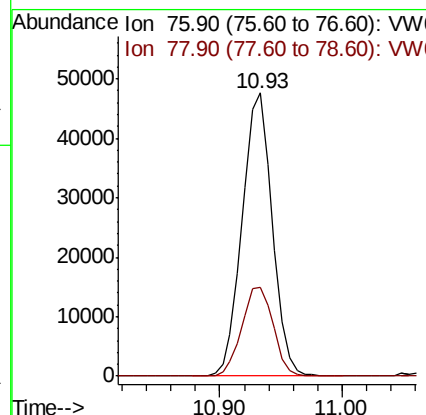
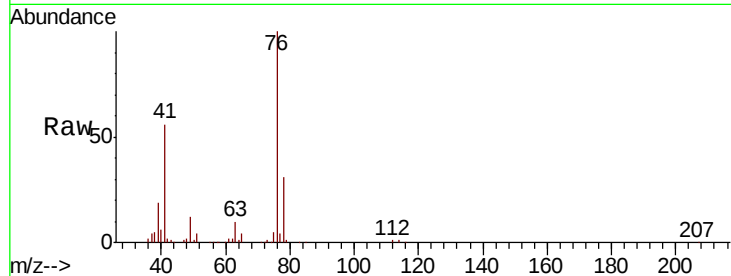
#57
 1,3-Dichloropropane
 Concen: 20.544 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion: 76 Resp: 81181
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9

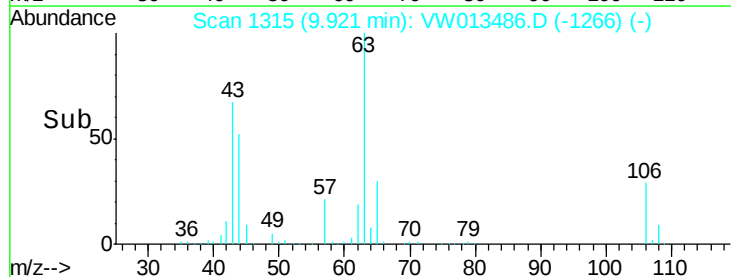
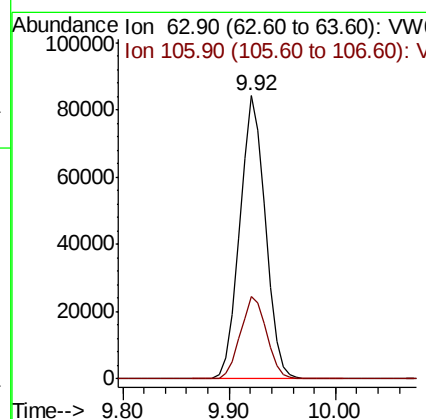
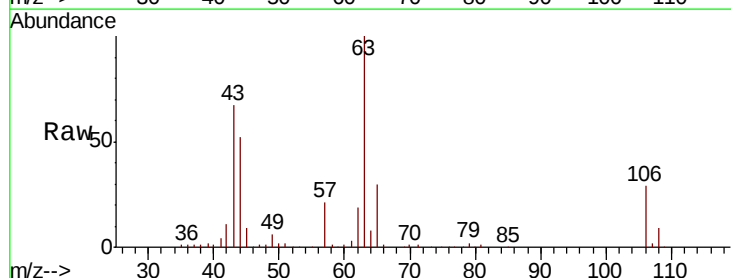
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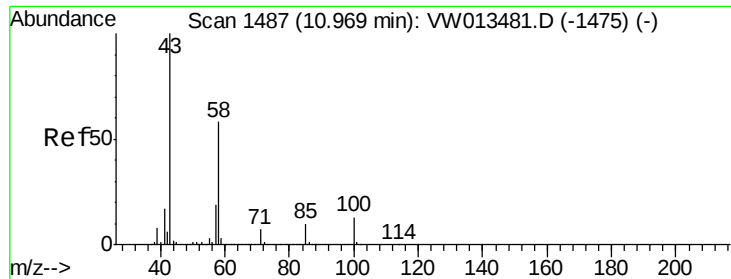
MMDadoda
 10/9/2019 4:09:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.290 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion: 63 Resp: 142266
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.5 36.7





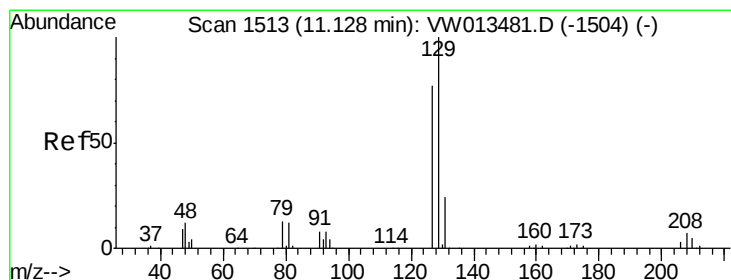
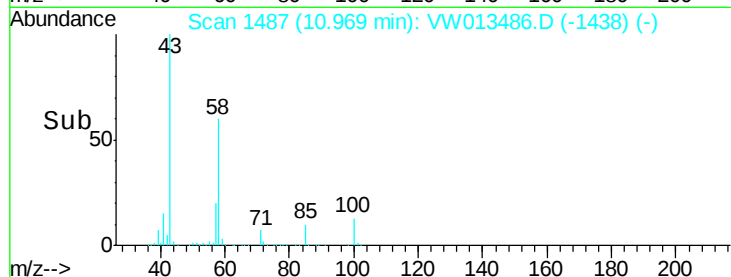
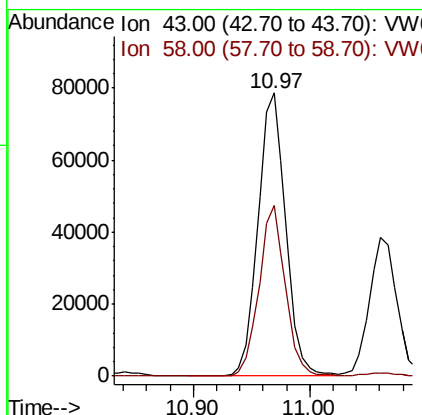
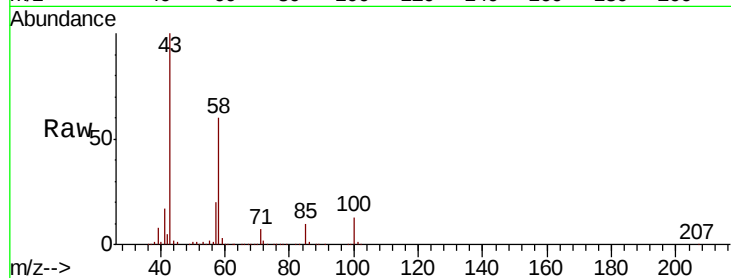
#59
2-Hexanone
Concen: 96.136 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion: 43 Resp: 130495
Ion Ratio Lower Upper
43 100
58 57.2 28.4 85.2

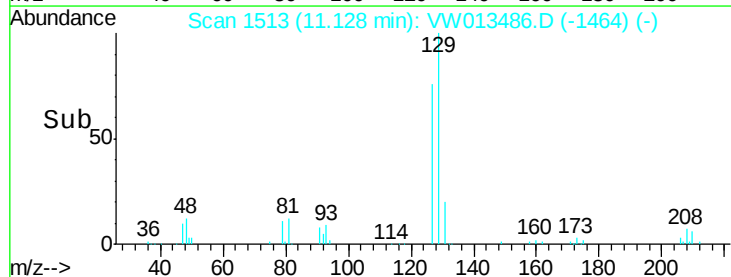
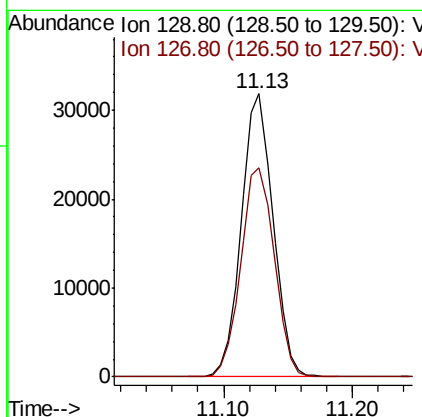
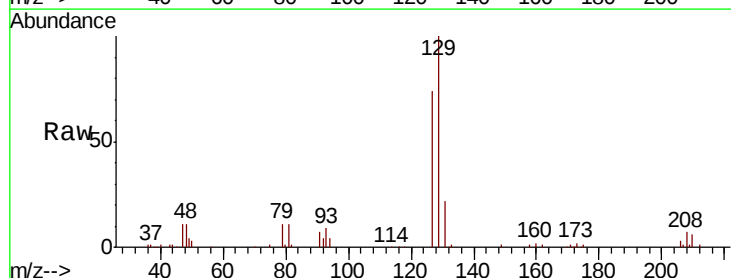
Manual Integrations
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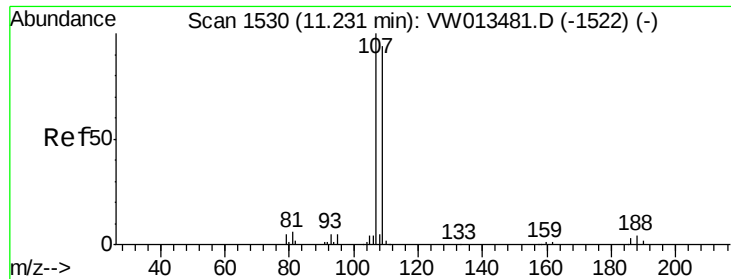
MMDadoda
10/9/2019 4:09:44 PM



#60
Dibromochloromethane
Concen: 20.431 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion: 129 Resp: 54071
Ion Ratio Lower Upper
129 100
127 78.4 37.4 112.1





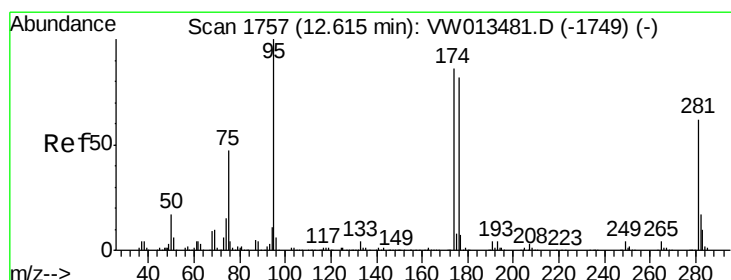
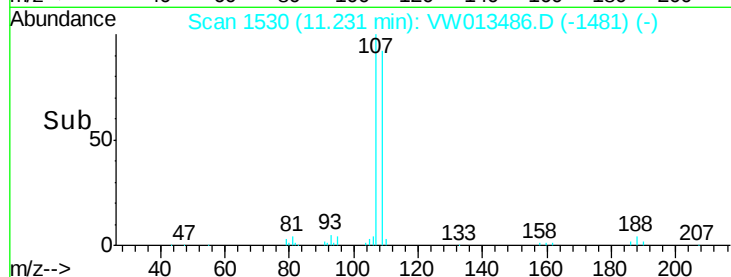
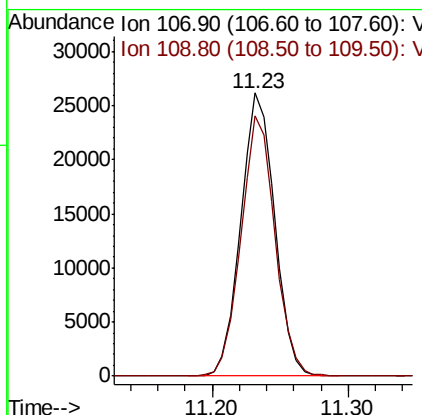
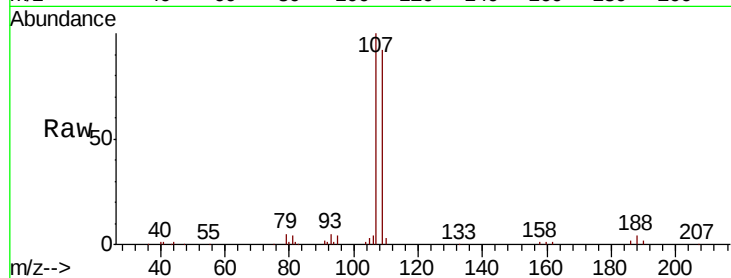
#61
 1,2-Dibromoethane
 Concen: 20.807 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.6	115.0

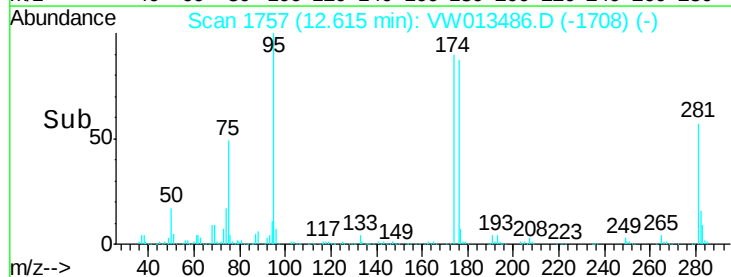
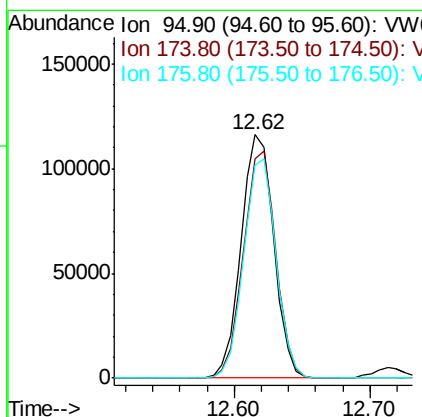
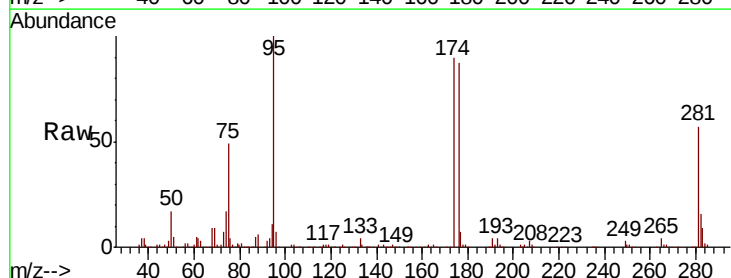
Manual Integrations
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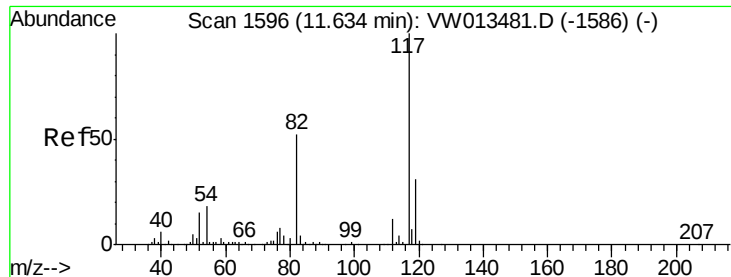
MMDadoda
 10/9/2019 4:09:44 PM



#62
 4-Bromofluorobenzene
 Concen: 48.817 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	177.4
176	89.3	0.0	173.4





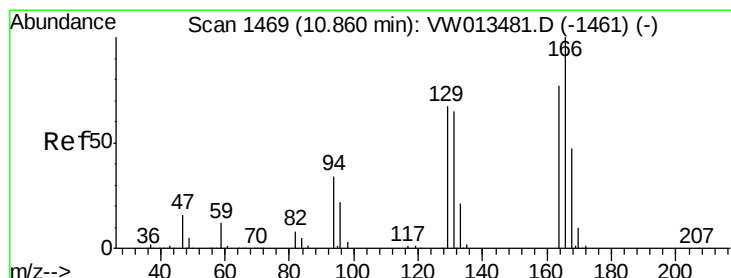
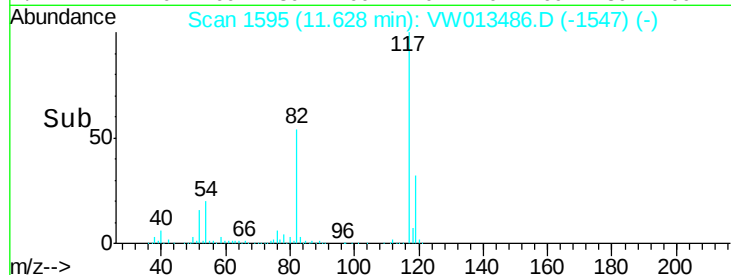
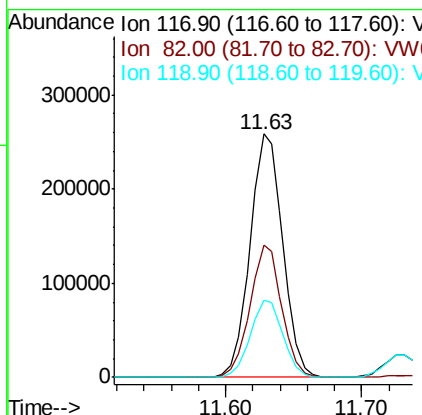
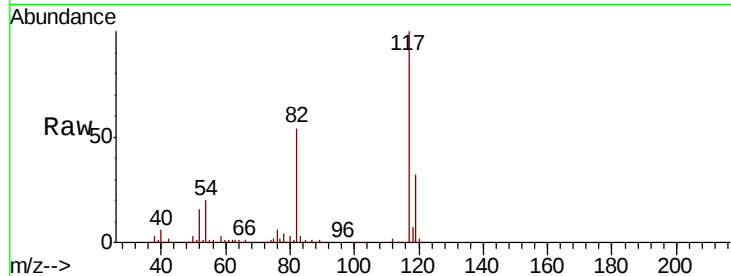
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	436293		
82	54.3		41.4	62.2
119	31.7		25.1	37.7

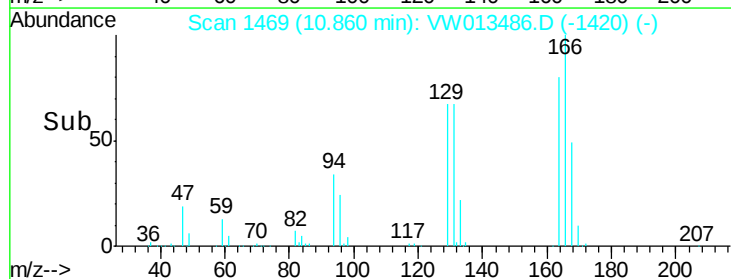
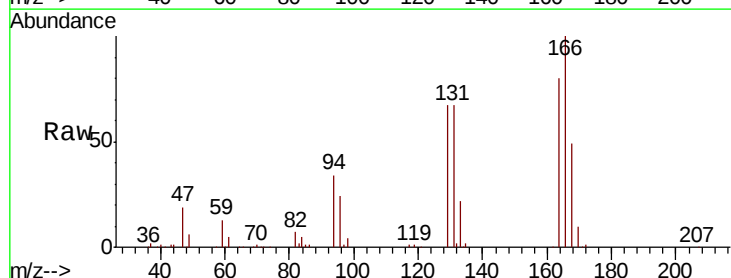
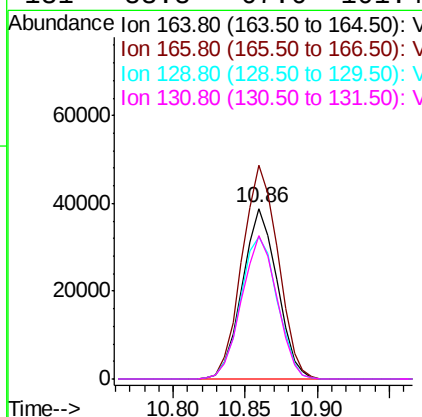
Manual Integrations
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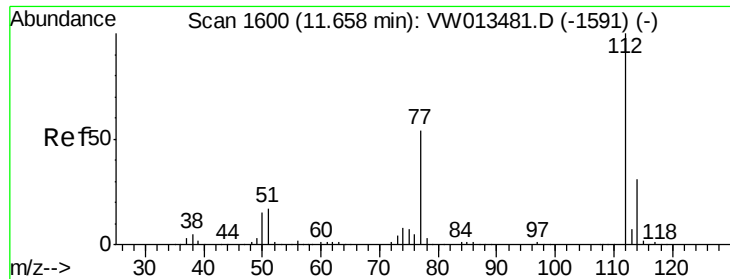
MMDadoda
10/9/2019 4:09:44 PM



#64
Tetrachloroethene
Concen: 20.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65272		
166	125.2		104.6	156.8
129	83.3		70.2	105.2
131	83.8		67.6	101.4





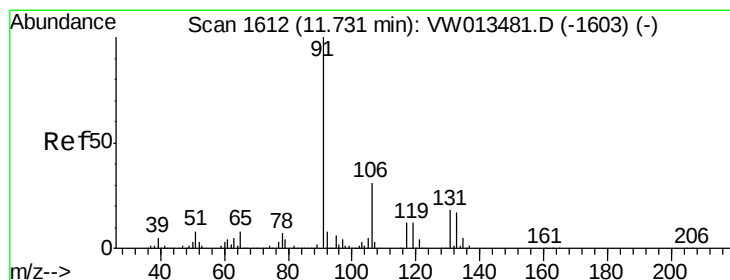
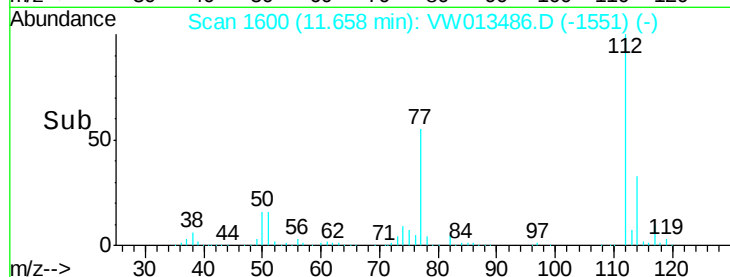
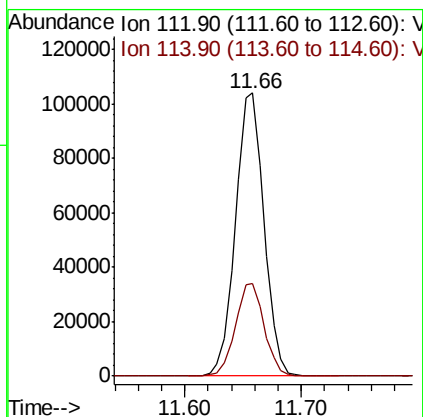
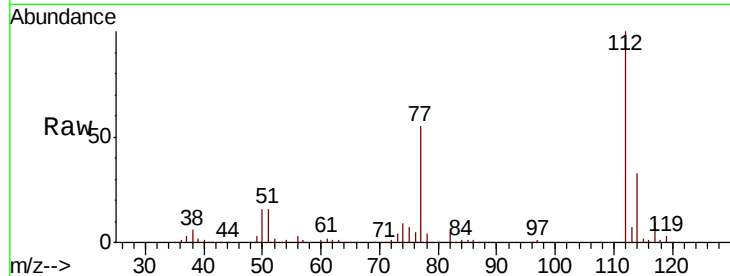
#65
Chlorobenzene
Concen: 20.473 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion:112 Resp: 177483
Ion Ratio Lower Upper
112 100
114 32.7 24.6 37.0

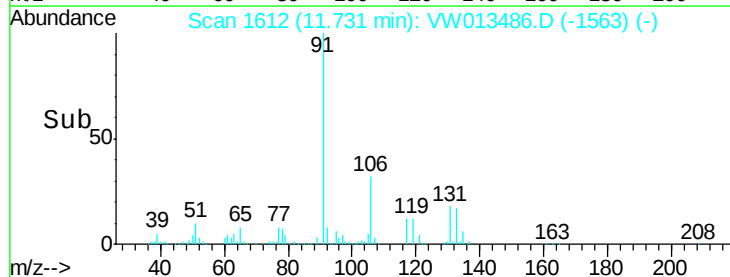
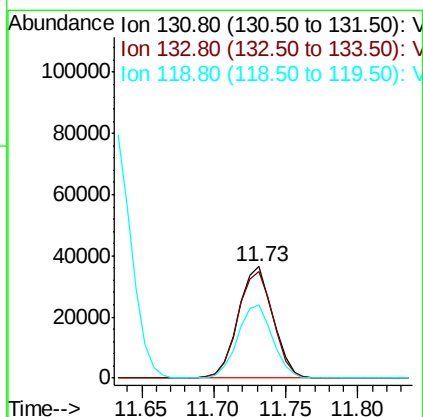
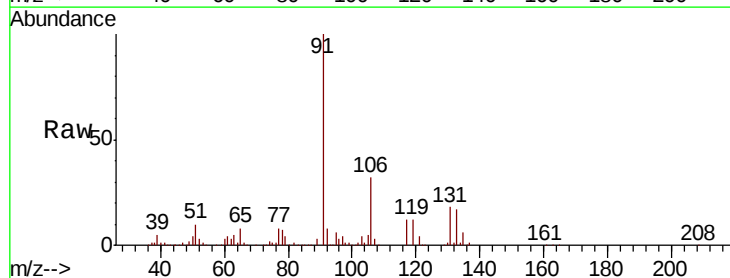
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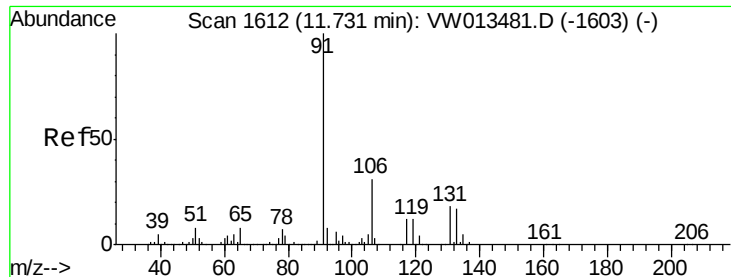
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.188 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion:131 Resp: 60794
Ion Ratio Lower Upper
131 100
133 97.7 47.6 142.9
119 66.3 32.6 98.0





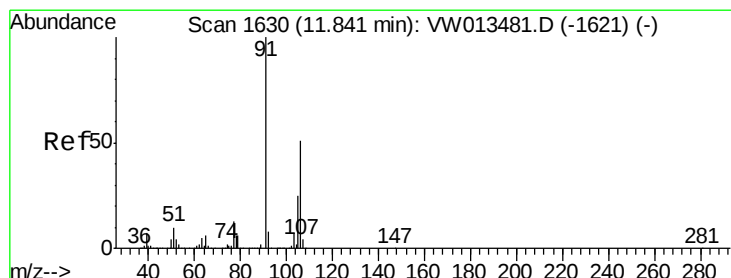
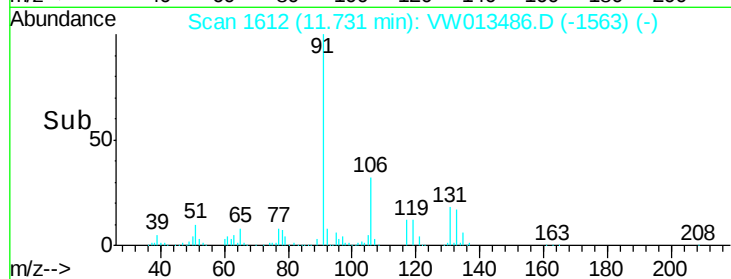
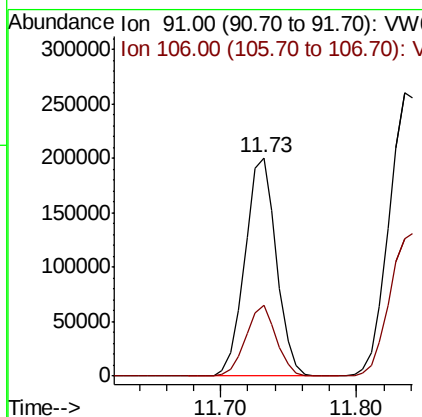
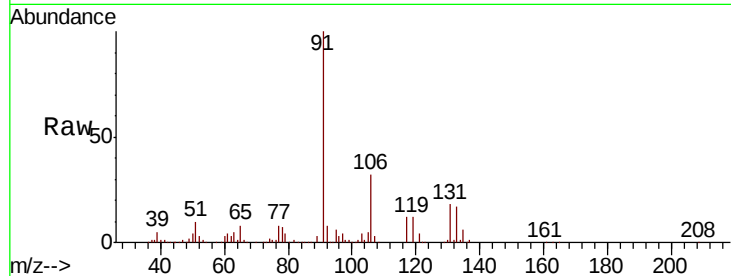
#67
Ethyl Benzene
Concen: 20.420 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.8	37.2

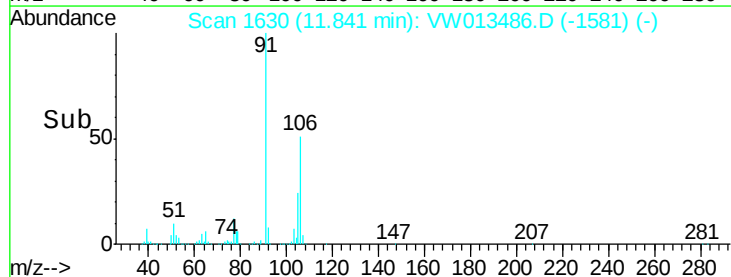
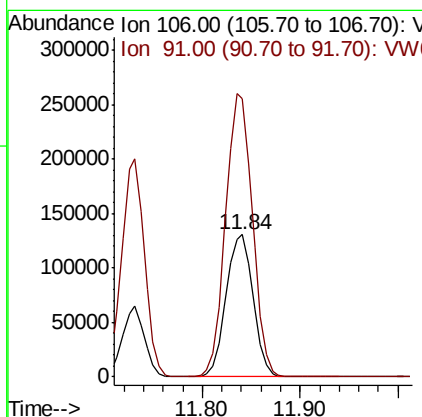
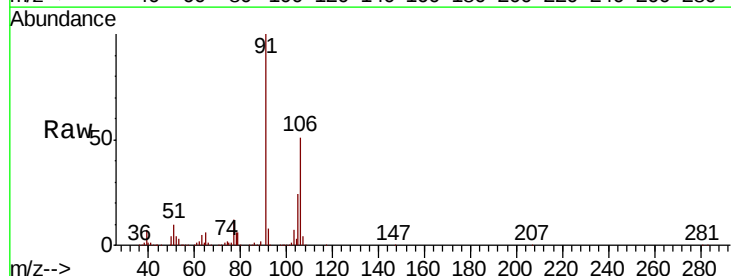
Manual Integrations
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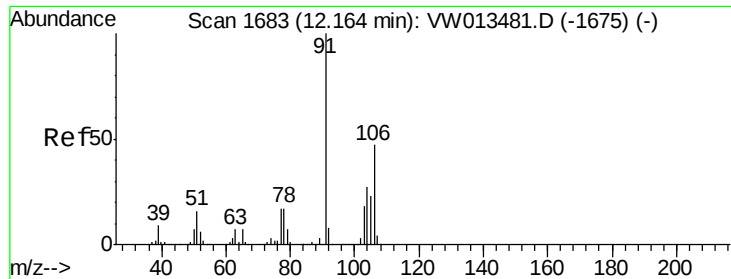
MMDadoda
10/9/2019 4:09:44 PM



#68
m/p-Xylenes
Concen: 41.567 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.6	156.2	234.4





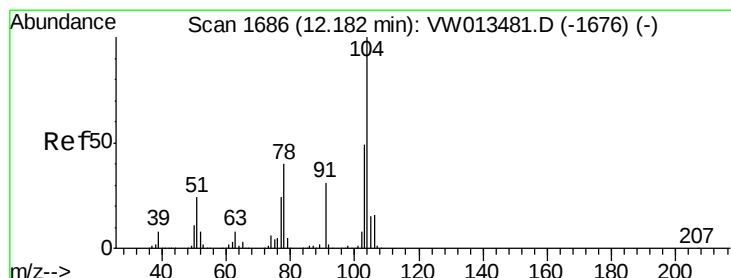
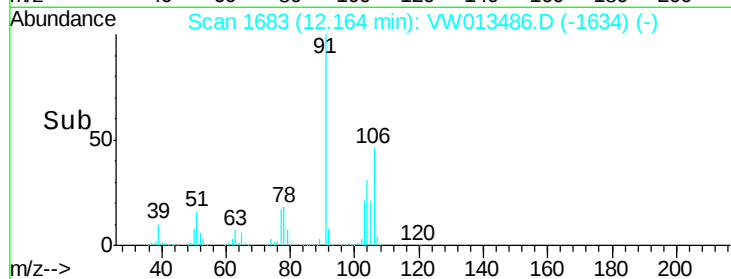
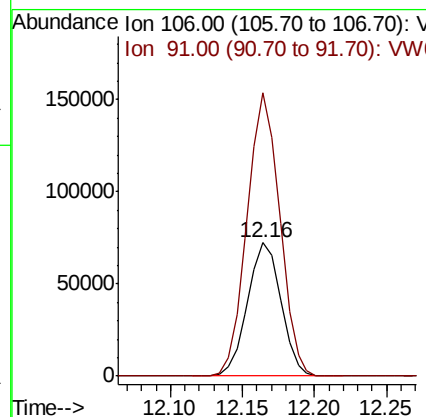
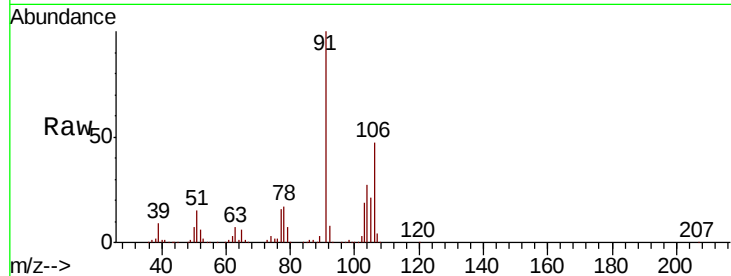
#69
o-Xylene
Concen: 20.944 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	116663		
91	91	207.4	105.0	315.0	

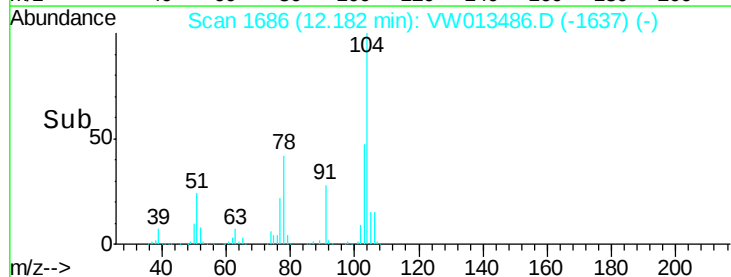
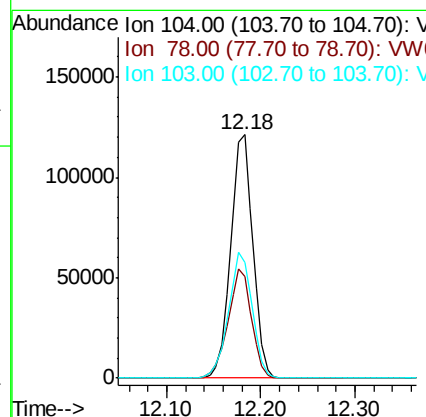
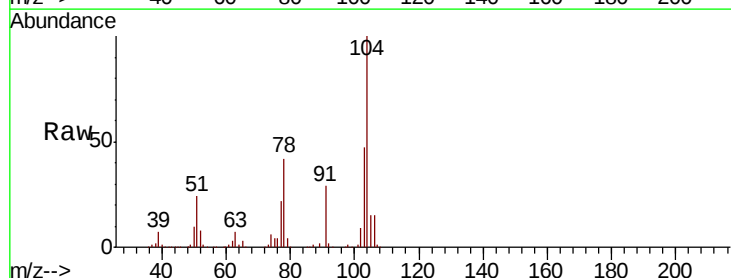
Manual Integrations
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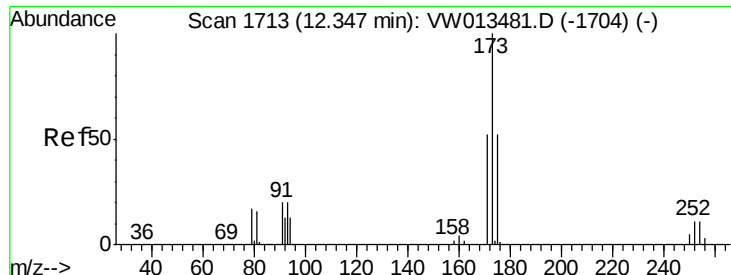
MMDadoda
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#70
Styrene
Concen: 20.701 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	197986		
78	78	47.4	37.1	55.7	
103	103	54.8	43.2	64.8	





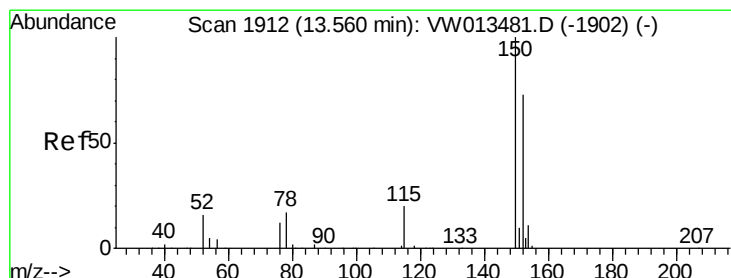
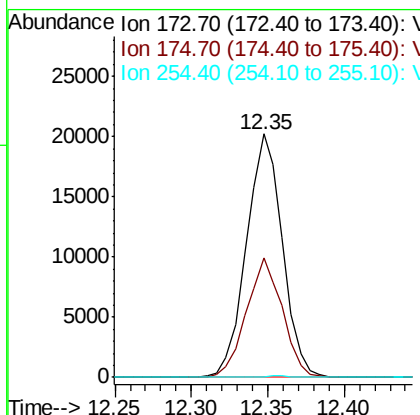
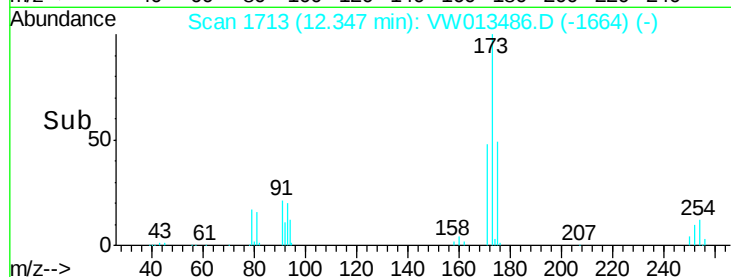
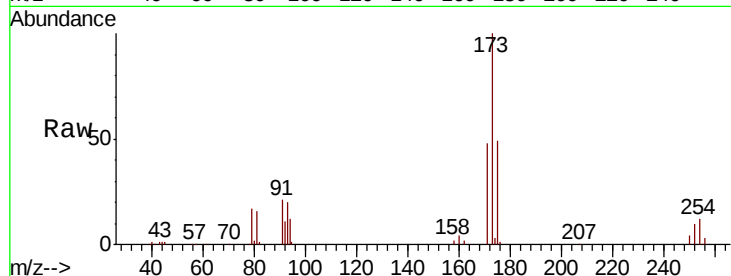
#71
Bromoform
Concen: 19.991 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.3	0.1	0.1#

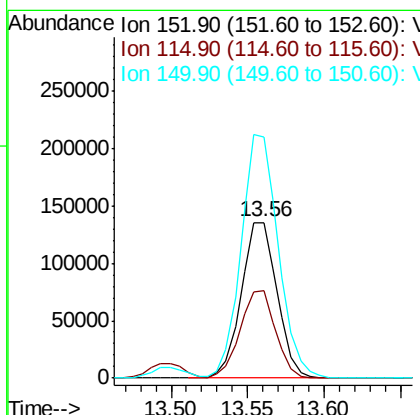
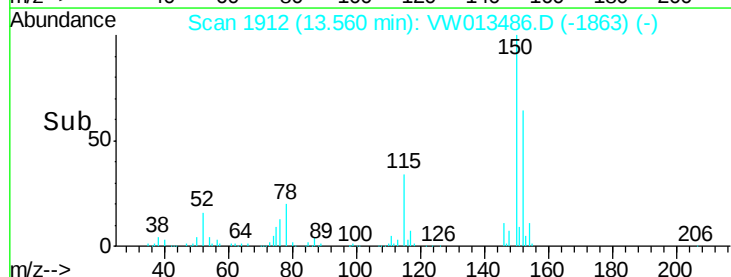
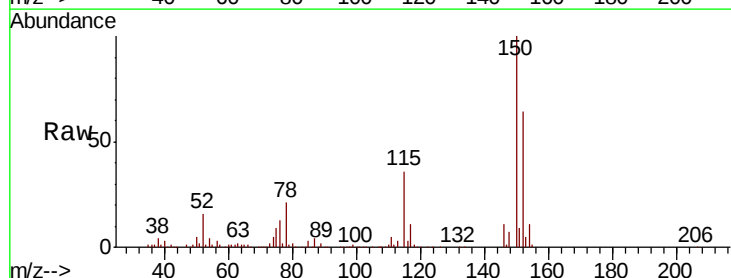
Manual Integrations
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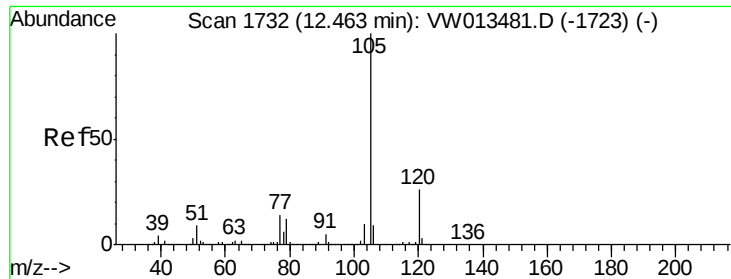
MMDadoda
10/9/2019 4:09:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.0	81.0
150	162.6	0.0	337.4





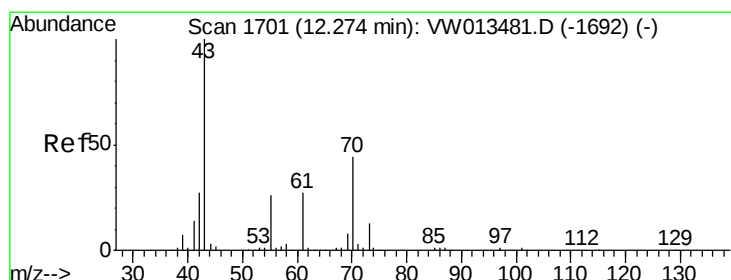
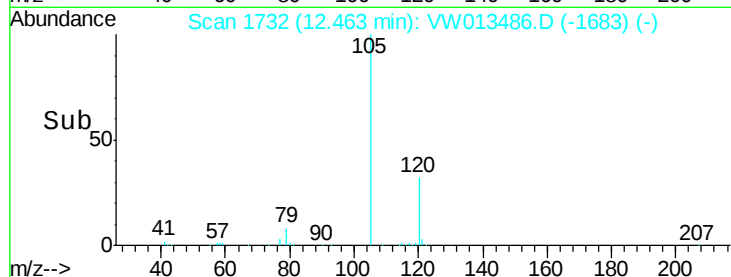
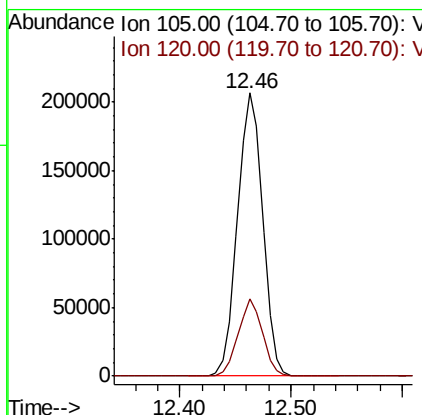
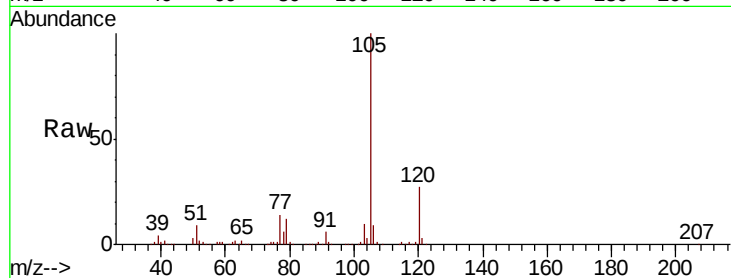
#73
Isopropylbenzene
Concen: 20.567 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	323971		
120	26.2		13.5	40.5

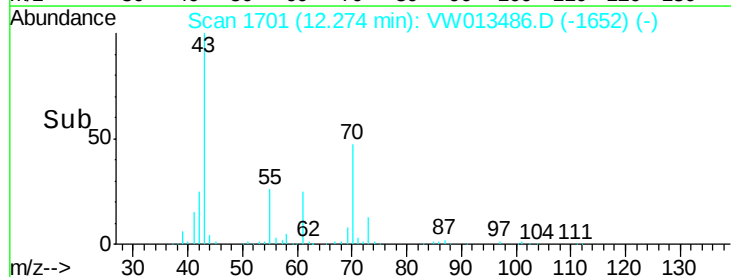
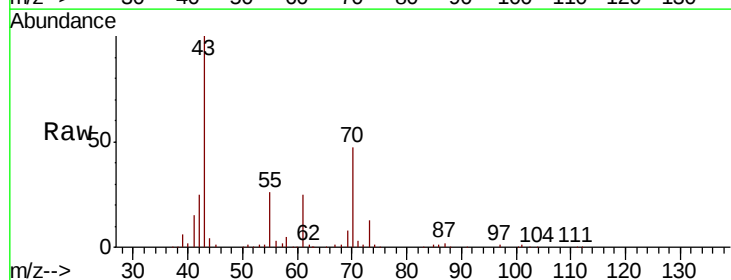
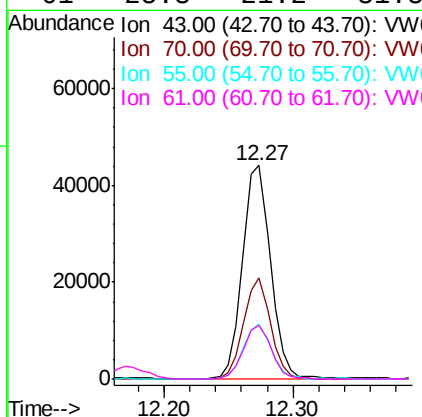
Manual Integrations
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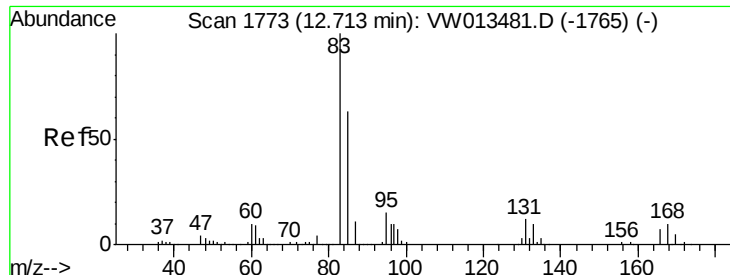
MMDadoda
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#74
N-ethyl acetate
Concen: 19.279 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	66417		
70	45.3		35.3	52.9
55	25.7		20.0	30.0
61	25.3		21.2	31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.794 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

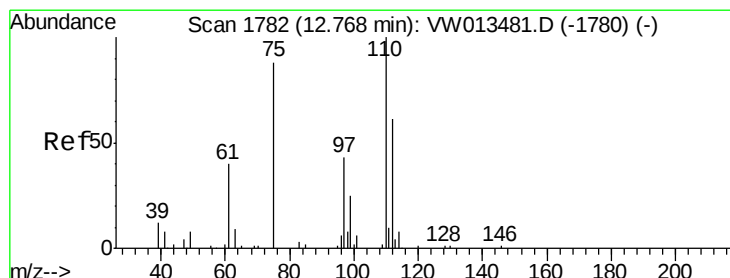
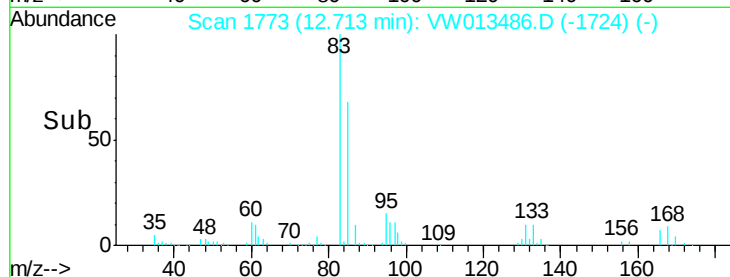
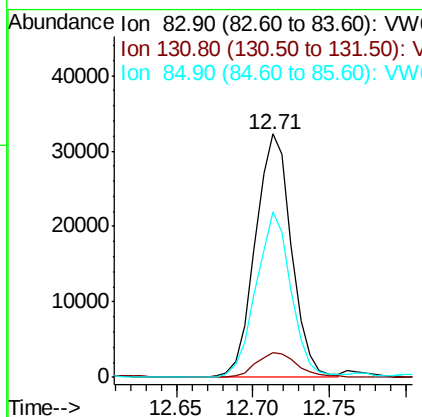
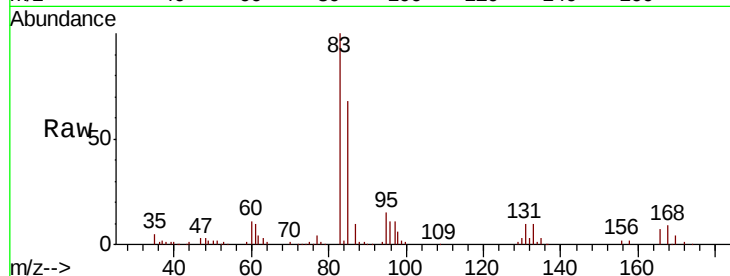
ClientSampleId :

VW1008SBS01

Tot Ion:	83	Resp:	53144
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	65.9	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.548 ug/l m

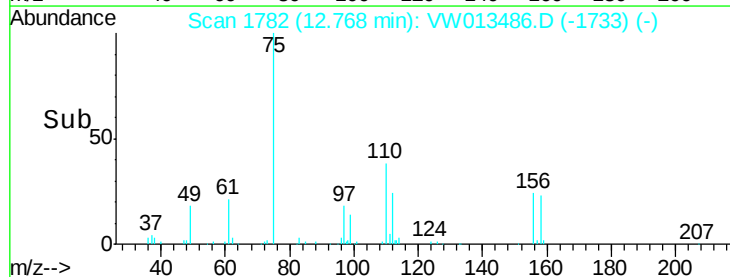
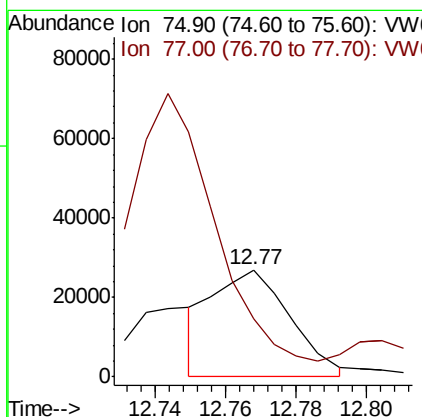
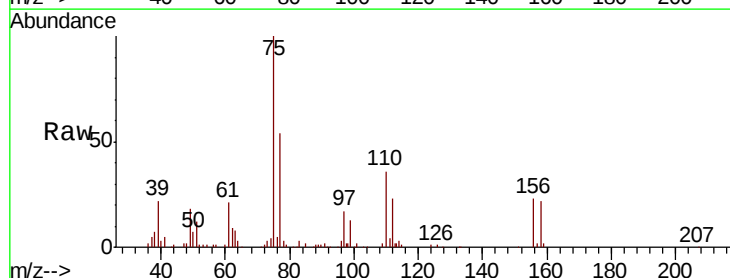
RT: 12.77 min Scan# 1782

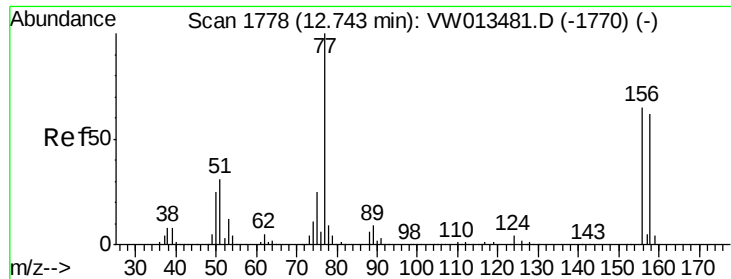
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	75	Resp:	41297
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.483 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

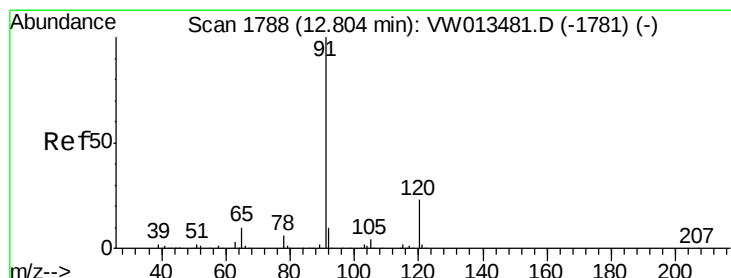
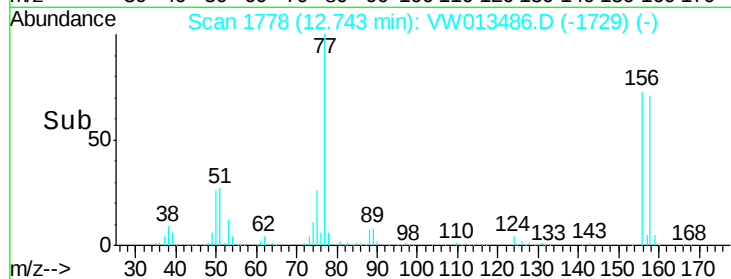
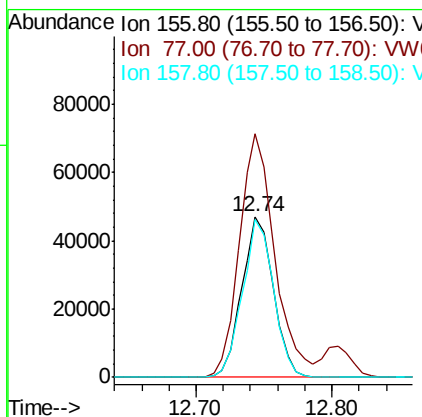
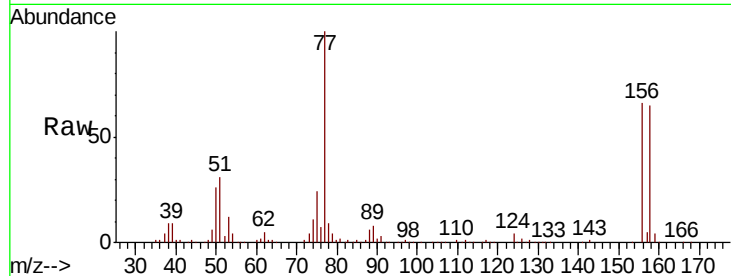
ClientSampleId :

VW1008SBS01

Tot Ion:	156	Resp:	76477
Ion Ratio	Lower	Upper	
156	100		
77	168.9	83.7	251.0
158	96.7	49.0	147.0

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#78

n-propylbenzene

Concen: 20.591 ug/l

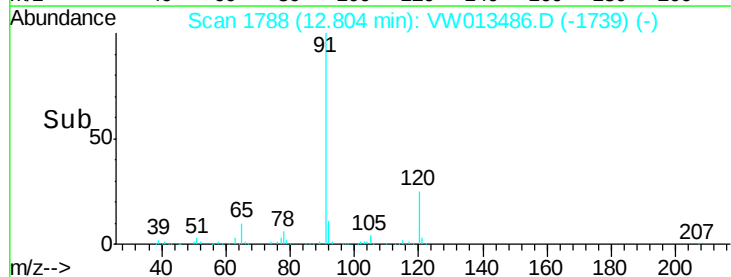
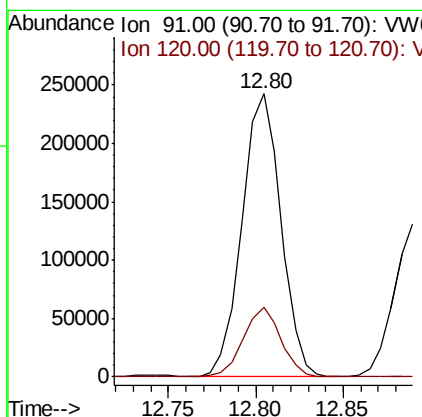
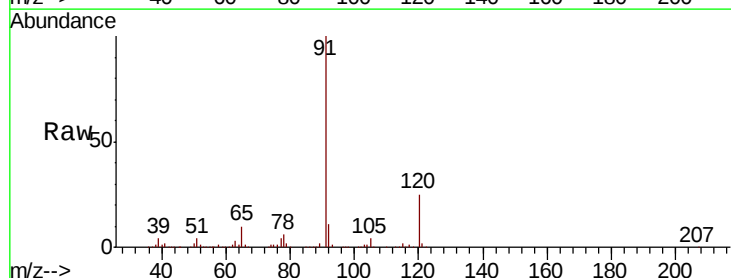
RT: 12.80 min Scan# 1788

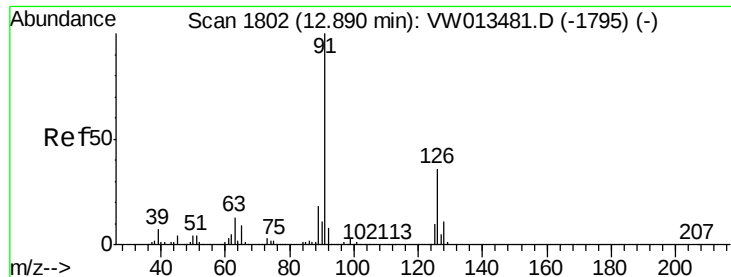
Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	91	Resp:	375067
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.538 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 91 Resp: 209590

Ion Ratio Lower Upper

91 100

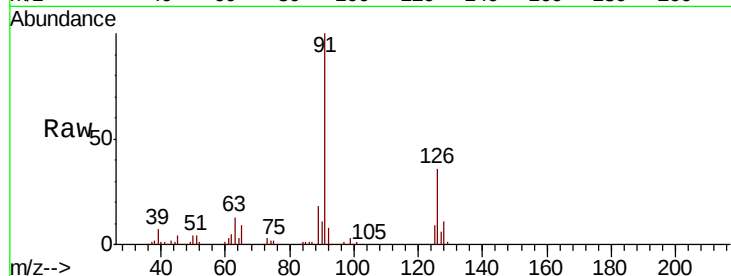
126 35.2 17.8 53.4

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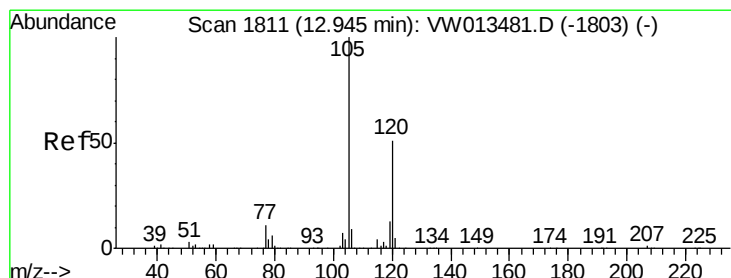
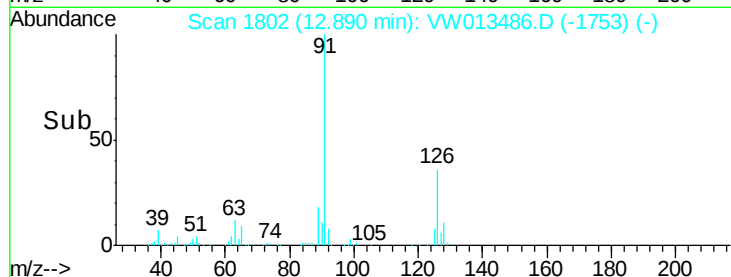
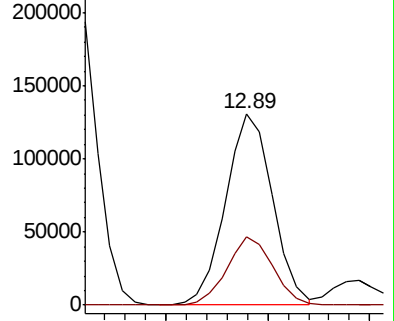
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.664 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013486.D

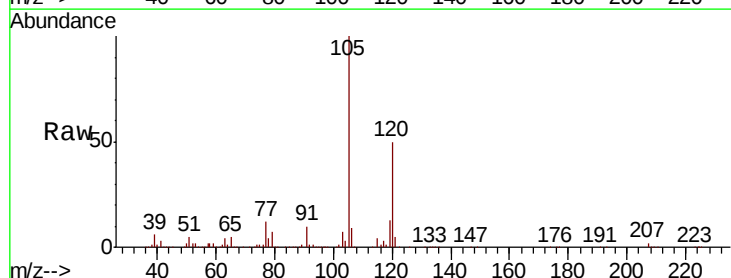
Acq: 08 Oct 2019 15:01

Tgt Ion: 105 Resp: 270448

Ion Ratio Lower Upper

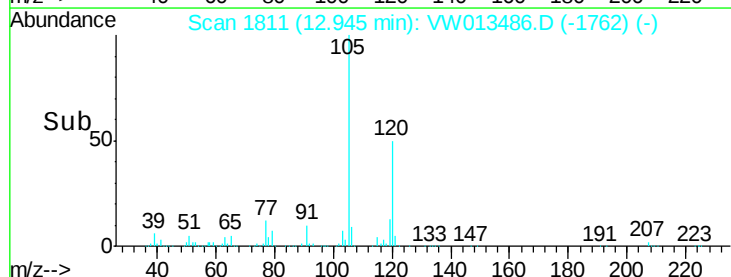
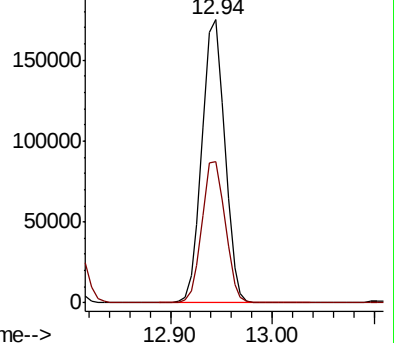
105 100

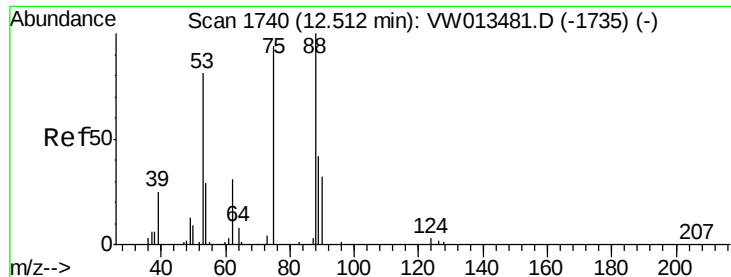
120 50.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





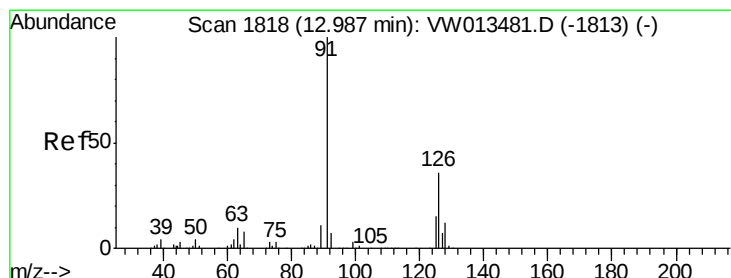
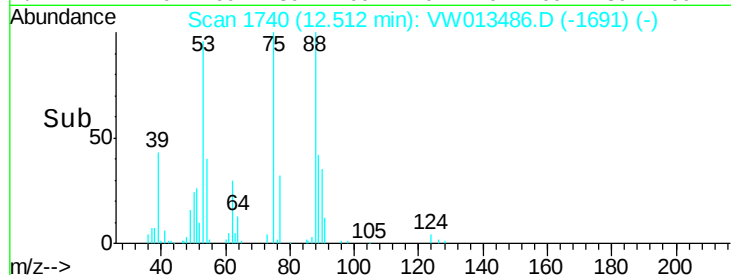
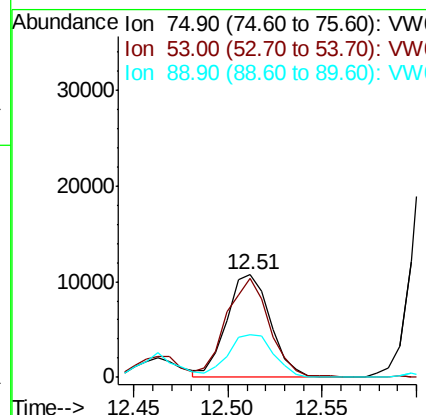
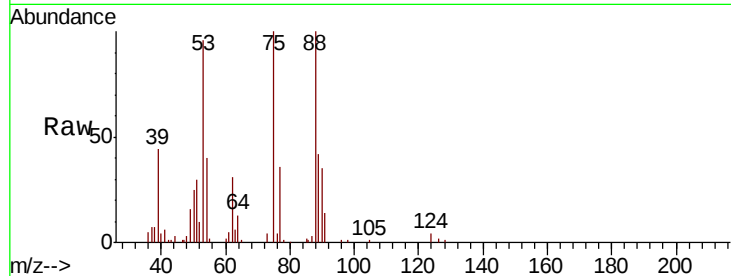
#81
trans-1,4-Dichloro-2-butene
Concen: 19.336 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	71.0	106.6
89	43.1	36.1	54.1

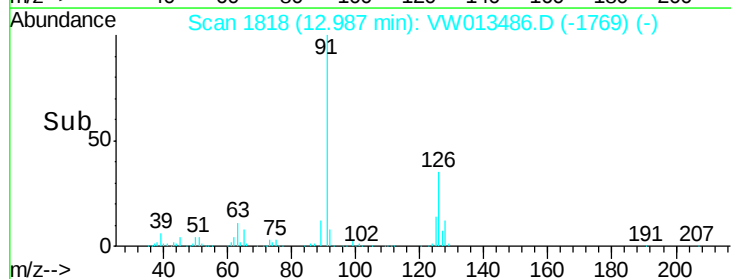
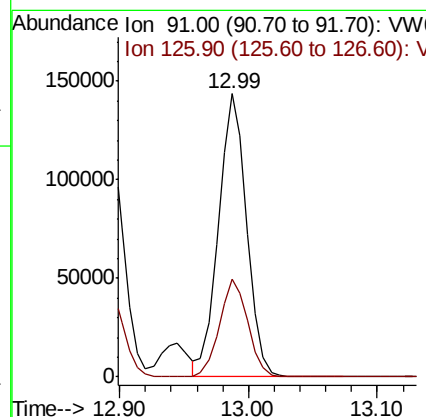
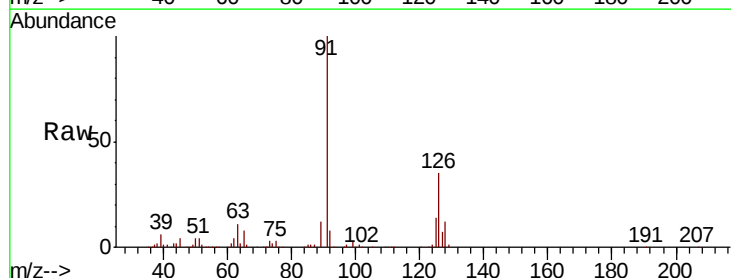
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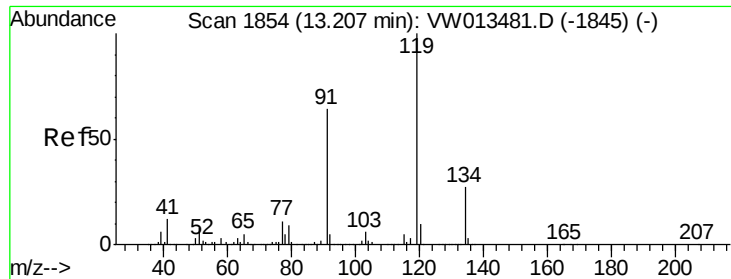
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#82
4-Chlorotoluene
Concen: 20.802 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.6





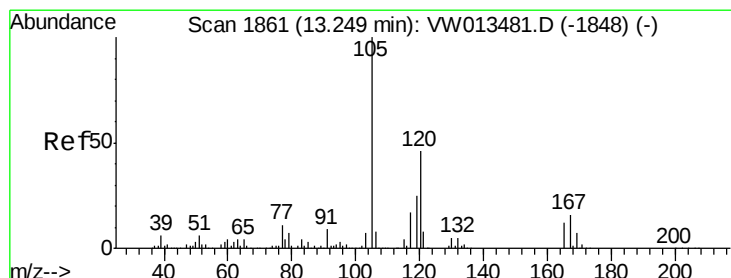
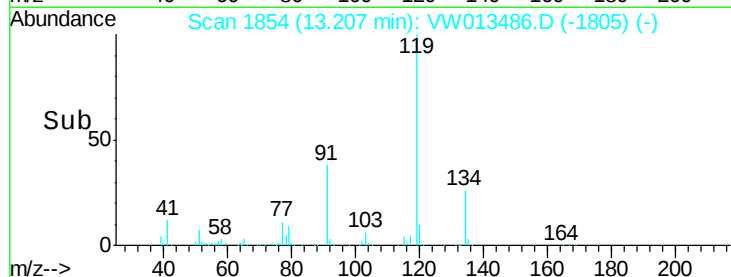
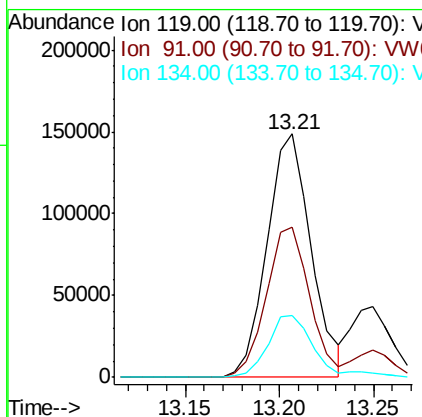
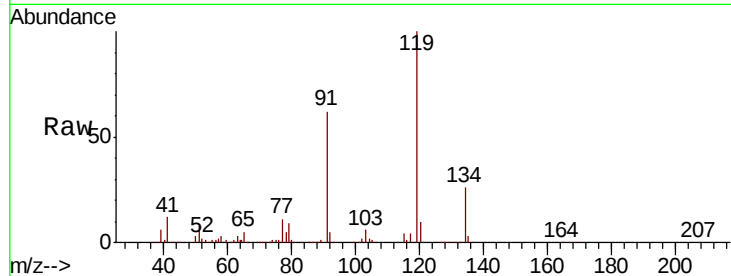
#83
tert-Butylbenzene
Concen: 20.751 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.6	91.6
134	27.2	13.8	41.3

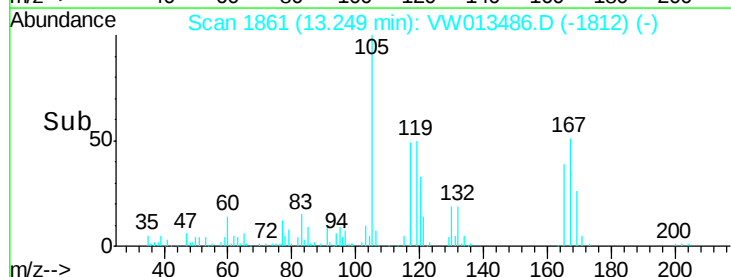
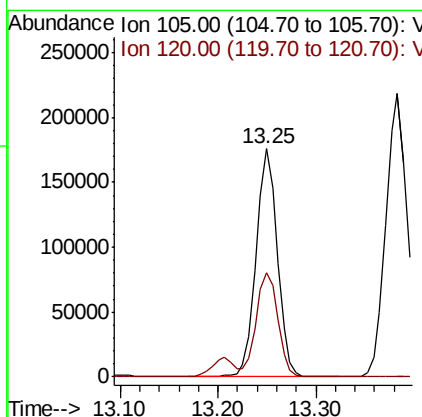
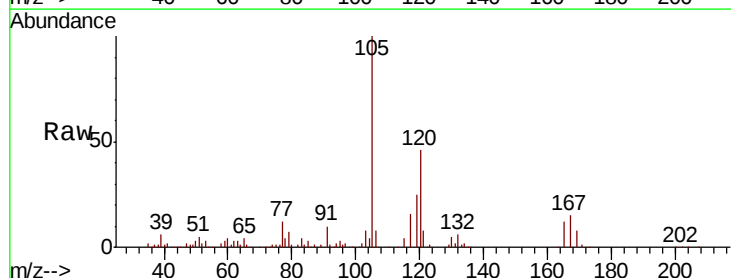
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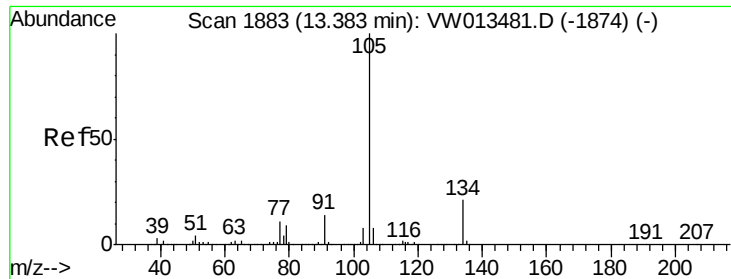
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#84
1,2,4-Trimethylbenzene
Concen: 20.630 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.464 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion:105 Resp: 328645

Ion Ratio Lower Upper

105 100

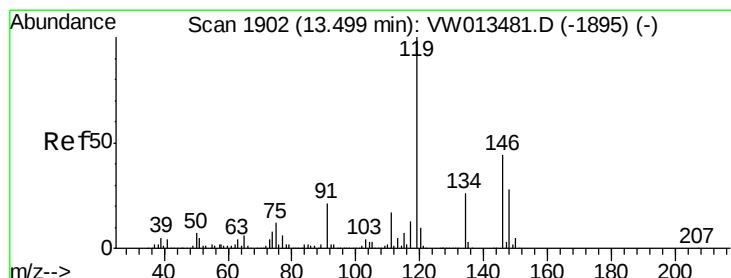
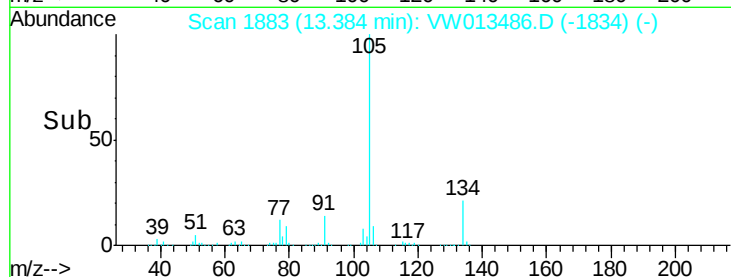
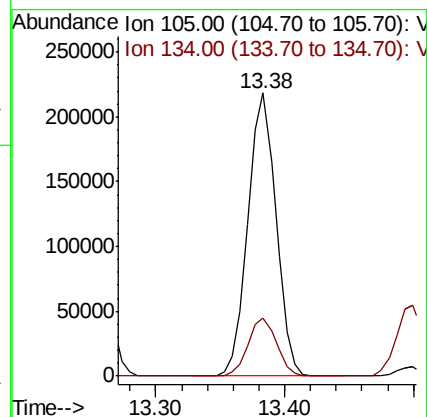
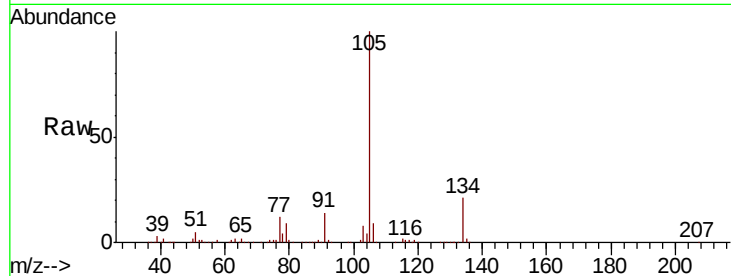
134 20.9 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.903 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

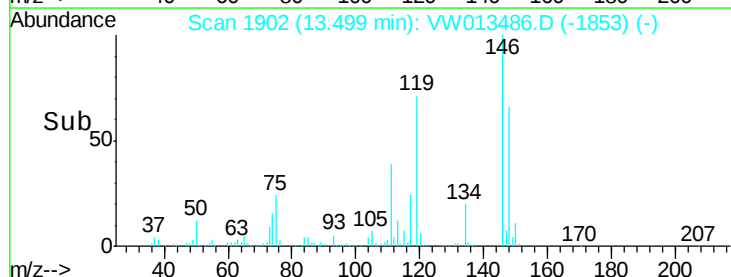
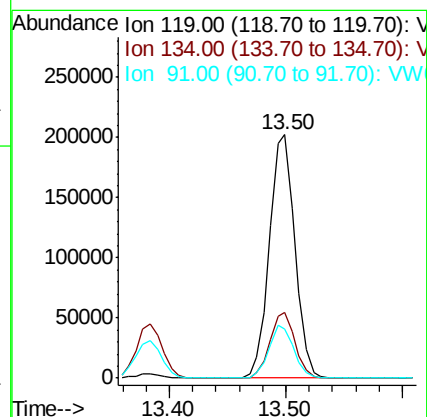
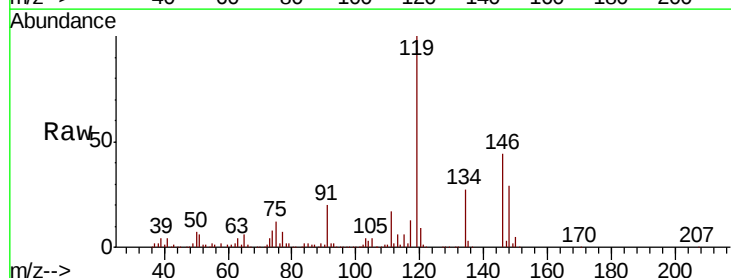
Tgt Ion:119 Resp: 308439

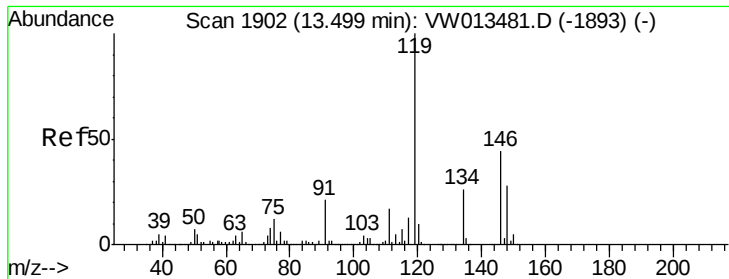
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

91 21.2 10.8 32.3





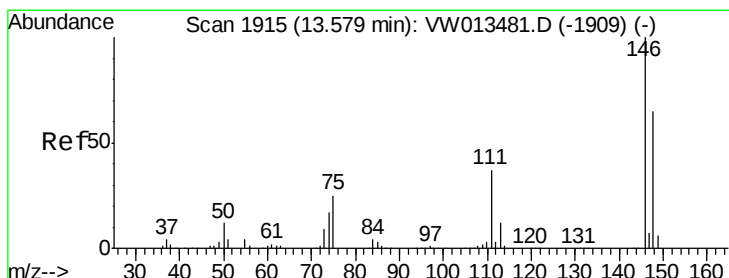
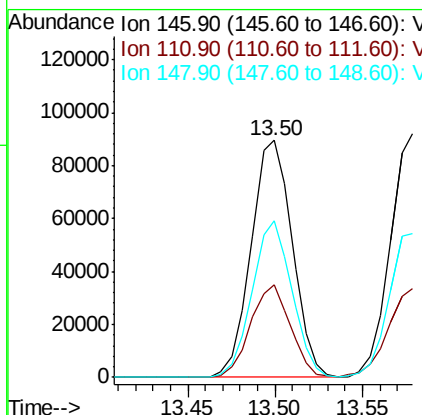
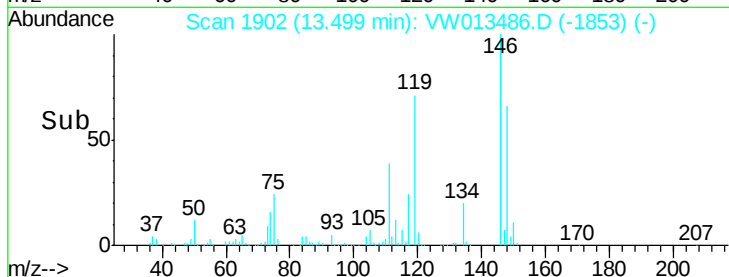
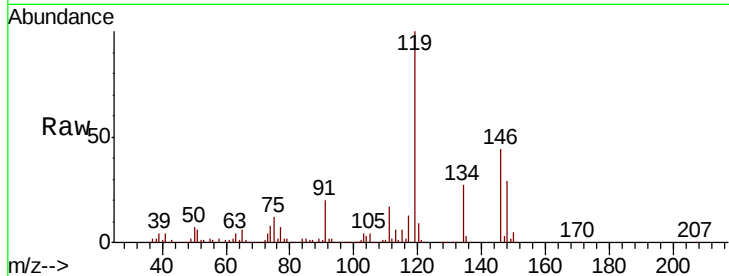
#87
 1,3-Dichlorobenzene
 Concen: 20.740 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.6	32.3	96.8

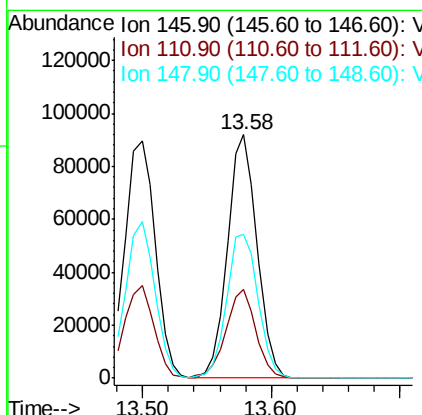
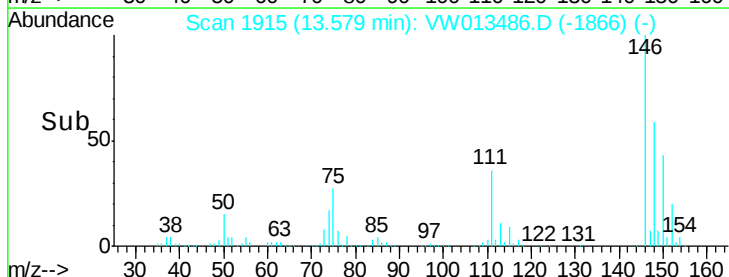
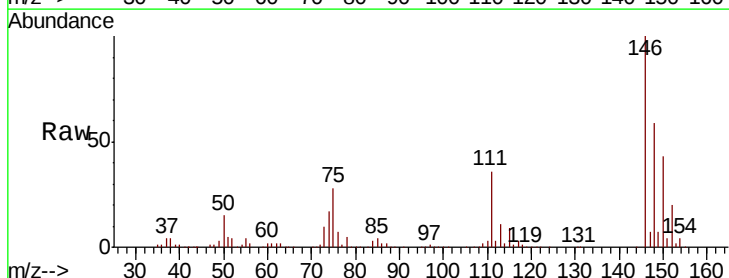
Manual Integrations
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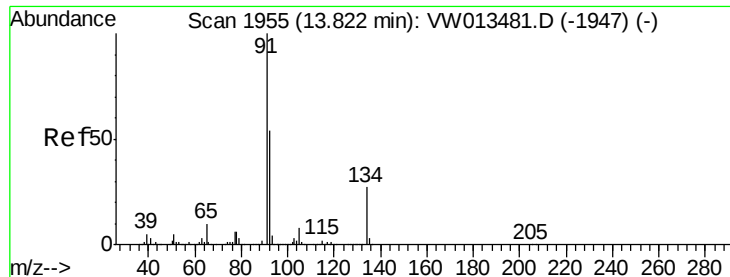
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#88
 1,4-Dichlorobenzene
 Concen: 21.241 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.4
148	62.9	32.0	96.2





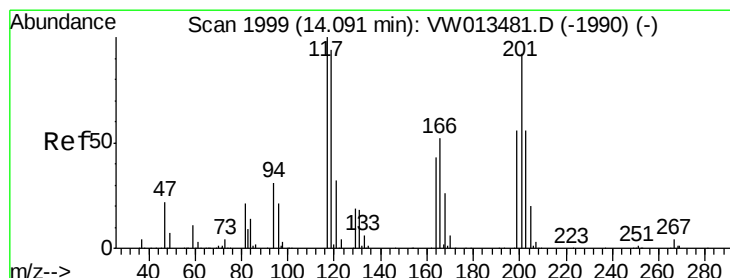
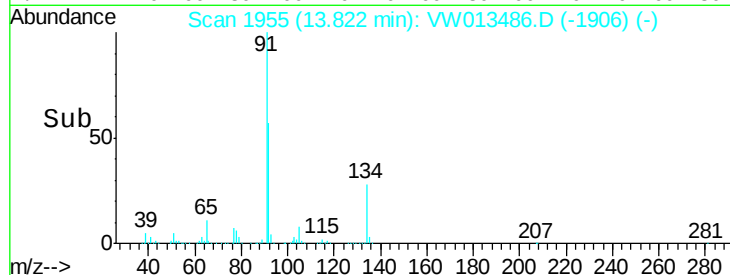
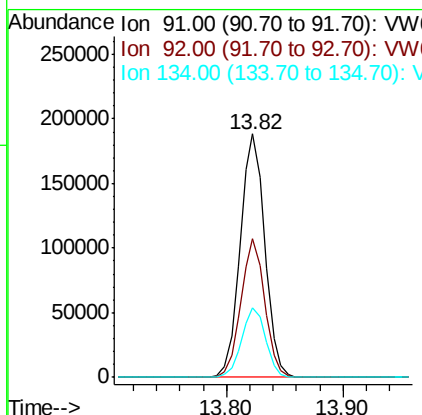
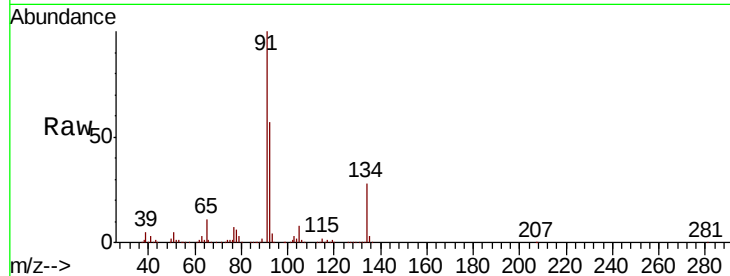
#89
n-Butylbenzene
Concen: 20.855 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.5	82.4
134	28.0	13.8	41.3

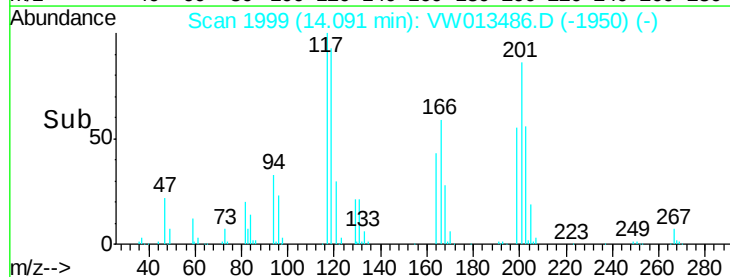
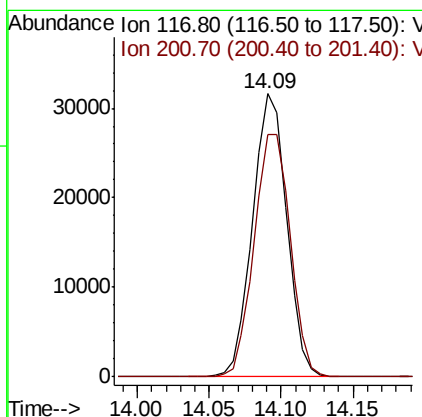
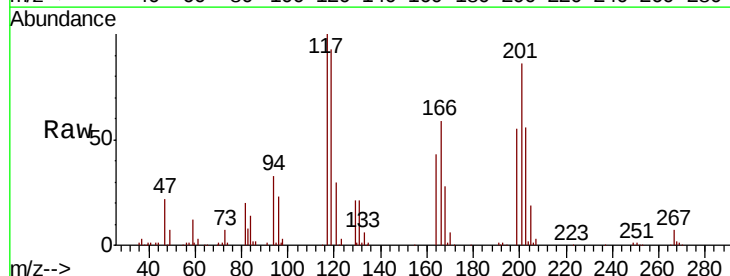
Manual Integrations
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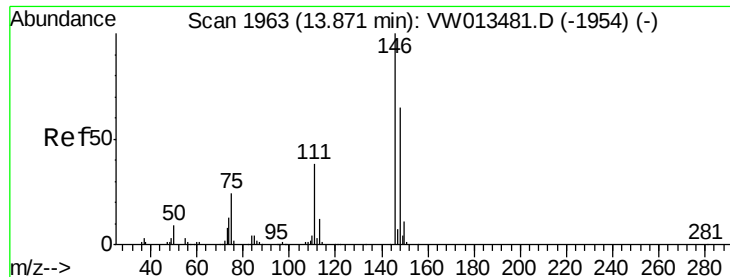
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#90
Hexachloroethane
Concen: 20.473 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013486.D
Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	46.9	140.7





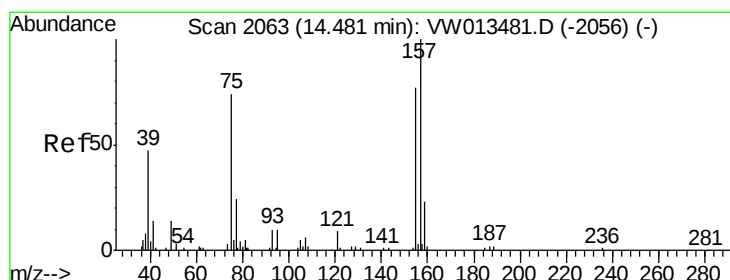
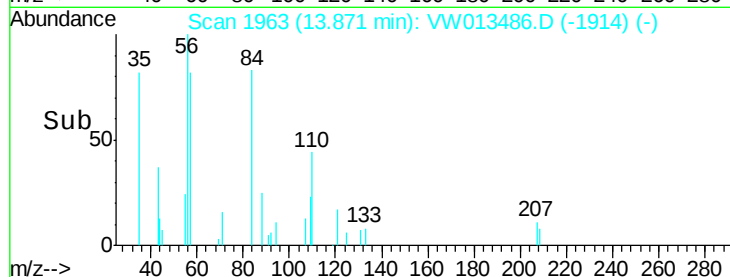
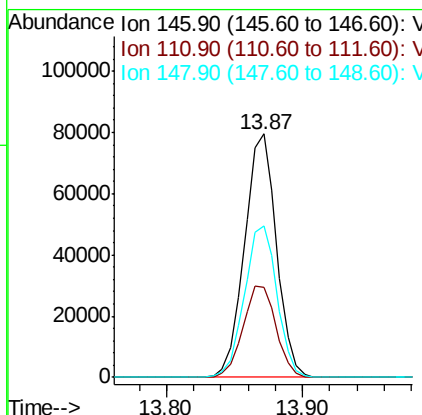
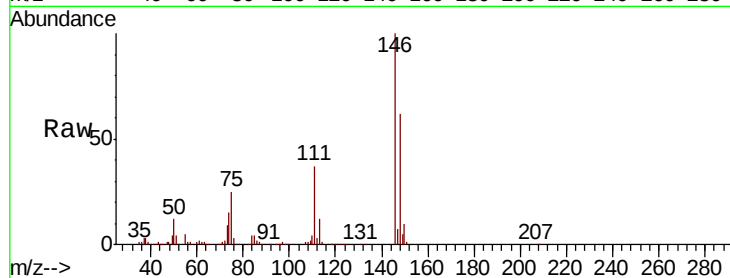
#91
 1,2-Dichlorobenzene
 Concen: 20.917 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.3	31.8	95.3

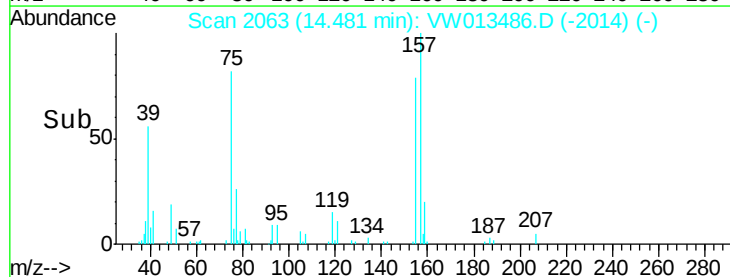
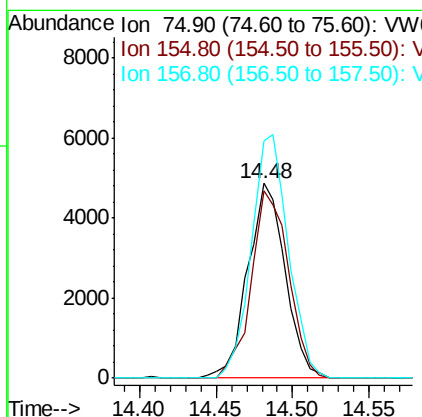
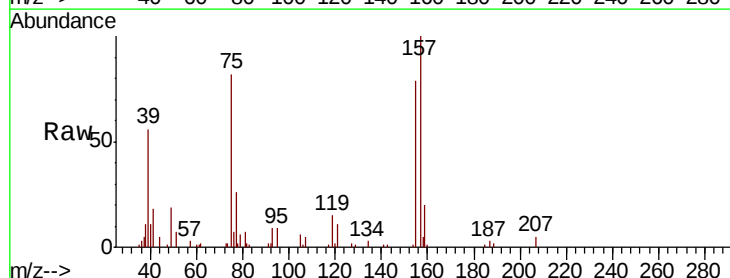
Manual Integrations
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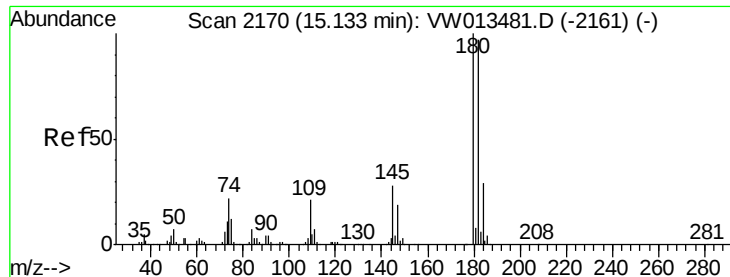
MMDadoda
 10/9/2019 4:09:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.277 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	51.0	153.1
157	124.1	65.9	197.7





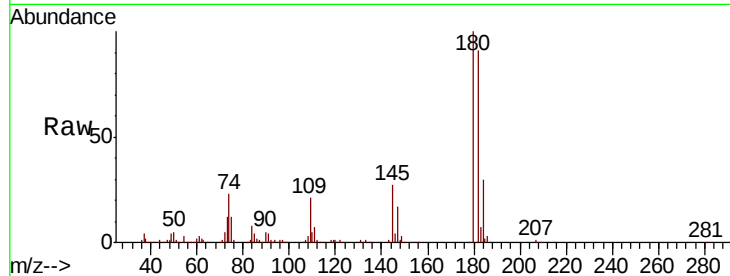
#93
 1,2,4-Trichlorobenzene
 Concen: 20.900 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

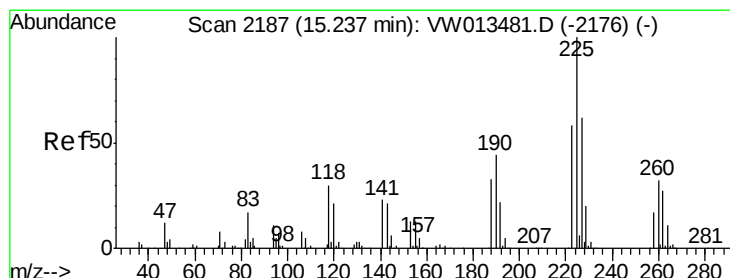
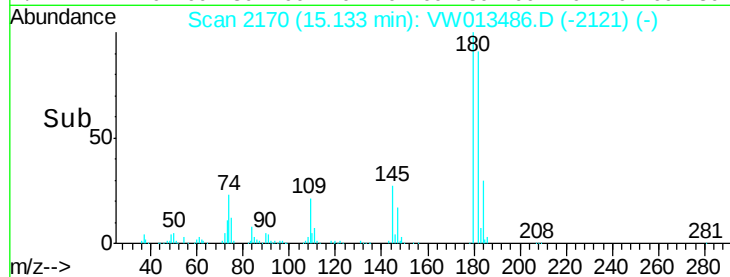
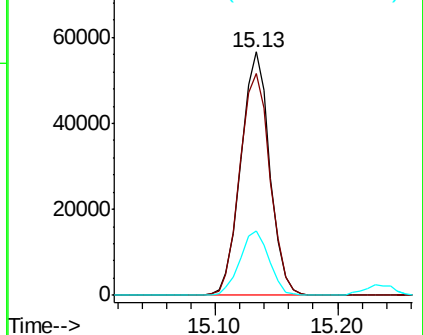
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.7	143.1	
145	26.9	14.0	41.9	

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:44 PM

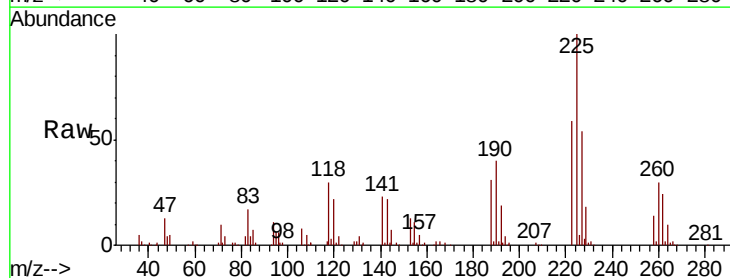


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

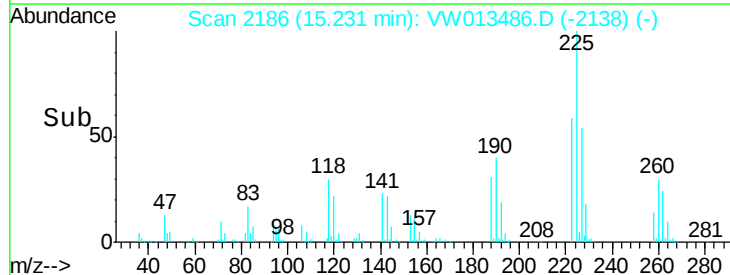
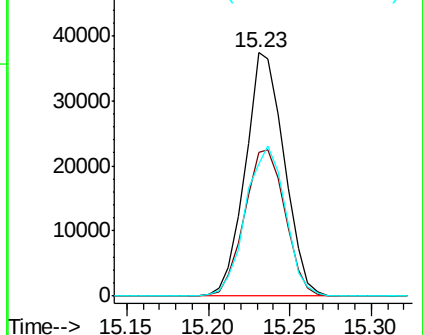


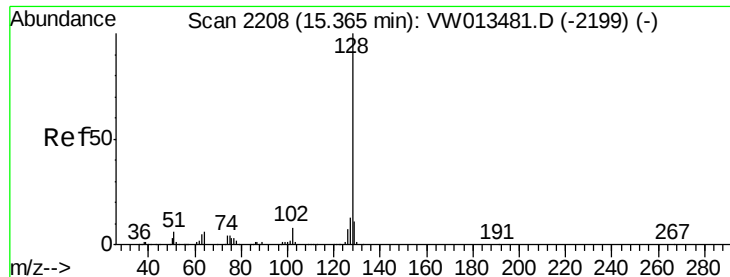
#94
 Hexachlorobutadiene
 Concen: 21.159 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013486.D
 Acq: 08 Oct 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	30.3	90.9	
227	63.1	32.0	96.0	



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





#95

Naphthalene

Concen: 19.822 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Instrument :

MSVOA_W

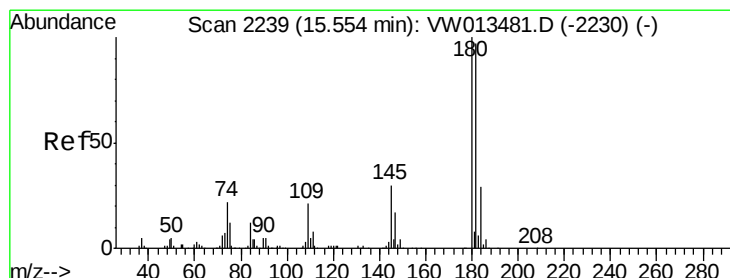
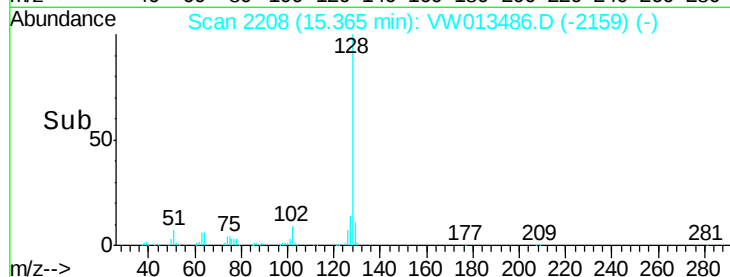
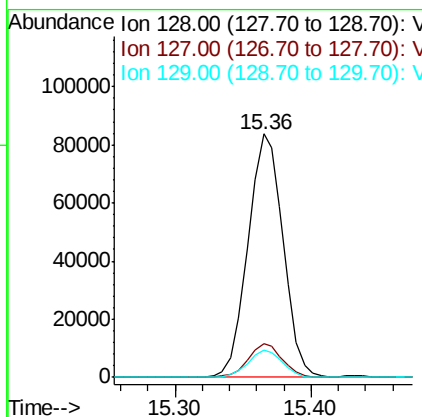
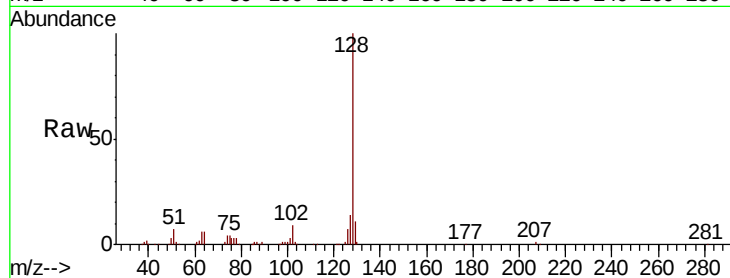
ClientSampleId :

VW1008SBS01

Tot Ion:	128	Resp:	151475
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:09:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.954 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013486.D

Acq: 08 Oct 2019 15:01

Tgt Ion:	180	Resp:	80946
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.7	143.1
145	28.4	14.9	44.9

