

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014504.D
 Acq On : 03 Jan 2020 17:46
 Operator : SY/VA
 Sample : VW0103SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Manual Integrations
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apatel
 1/6/2020 10:43:36 AM

Quant Time: Jan 06 00:55:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	872370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1311849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1136949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	556240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	398448	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.88	113	394669	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.32	98	1657140	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	12.62	95	567216	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	110194	22.372	ug/l	96
3) Chloromethane	2.21	50	130900	21.712	ug/l	97
4) Vinyl Chloride	2.36	62	189298	21.347	ug/l	98
5) Bromomethane	2.77	94	119541	21.822	ug/l	99
6) Chloroethane	2.92	64	107898	21.345	ug/l	98
7) Trichlorofluoromethane	3.25	101	86137	19.414	ug/l	92
8) Diethyl Ether	3.68	74	88195	19.979	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	173880	20.975	ug/l	99
10) Methyl Iodide	4.27	142	257395	20.578	ug/l	99
11) Tert butyl alcohol	5.15	59	71811	109.193	ug/l	97
12) 1,1-Dichloroethene	4.04	96	180969	20.846	ug/l	99
13) Acrolein	3.89	56	63345	95.154	ug/l	98
14) Allyl chloride	4.66	41	273284	20.600	ug/l	99
15) Acrylonitrile	5.36	53	198034	98.141	ug/l	98
16) Acetone	4.12	43	194290	90.213	ug/l	99
17) Carbon Disulfide	4.39	76	542165	20.720	ug/l	97
18) Methyl Acetate	4.67	43	99948	19.215	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	222238	20.623	ug/l	99
20) Methylene Chloride	4.92	84	200580	20.347	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	188335	20.431	ug/l	97
22) Diisopropyl ether	6.31	45	525037	21.144	ug/l	97
23) Vinyl Acetate	6.25	43	1530501	102.069	ug/l	100
24) 1,1-Dichloroethane	6.21	63	322135	20.566	ug/l	98
25) 2-Butanone	7.17	43	256941	92.964	ug/l	97
26) 2,2-Dichloropropane	7.17	77	175383	20.224	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	199710	20.618	ug/l	99
28) Bromochloromethane	7.51	49	111907	18.223	ug/l	98
29) Tetrahydrofuran	7.52	42	162463	94.883	ug/l	100
30) Chloroform	7.67	83	301796	20.604	ug/l	98
31) Cyclohexane	7.95	56	329918	20.268	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	243172	20.642	ug/l	99
36) 1,1-Dichloropropene	8.08	75	260440	20.593	ug/l	99
37) Ethyl Acetate	7.25	43	112735	19.655	ug/l	99
38) Carbon Tetrachloride	8.07	117	225302	20.535	ug/l	99

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Quant Time: Jan 06 00:55:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	327138	20.157	ug/l	99
40) Benzene	8.32	78	748819	20.927	ug/l	99
41) Methacrylonitrile	7.48	41	59679	18.665	ug/l	99
42) 1,2-Dichloroethane	8.40	62	192437	20.724	ug/l	100
43) Isopropyl Acetate	8.42	43	205677	19.747	ug/l	99
44) Trichloroethene	9.09	130	198529	20.504	ug/l	92
45) 1,2-Dichloropropane	9.37	63	183682	20.919	ug/l	100
46) Dibromomethane	9.46	93	89810	20.719	ug/l	98
47) Bromodichloromethane	9.64	83	220633	20.616	ug/l	98
48) Methyl methacrylate	9.43	41	91293	17.953	ug/l	93
49) 1,4-Dioxane	9.45	88	31896	393.416	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	533369	98.612	ug/l	100
52) Toluene	10.38	92	469652	20.863	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	228377	20.611	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	275270	20.326	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	126634	20.003	ug/l	96
56) Ethyl methacrylate	10.65	69	163709	19.898	ug/l	100
57) 1,3-Dichloropropane	10.93	76	225967	20.309	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	232085	92.751	ug/l	99
59) 2-Hexanone	10.96	43	364301	97.743	ug/l	100
60) Dibromochloromethane	11.13	129	142718	19.980	ug/l	100
61) 1,2-Dibromoethane	11.23	107	119949	19.960	ug/l	98
64) Tetrachloroethene	10.86	164	172602	20.969	ug/l	97
65) Chlorobenzene	11.65	112	480320	20.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	161909	20.645	ug/l	100
67) Ethyl Benzene	11.73	91	869528	20.715	ug/l	97
68) m/p-Xylenes	11.84	106	676313	42.097	ug/l	98
69) o-Xylene	12.16	106	309043	20.825	ug/l	99
70) Styrene	12.18	104	522904	20.832	ug/l	99
71) Bromoform	12.35	173	82787	19.353	ug/l #	98
73) Isopropylbenzene	12.46	105	850454	20.837	ug/l	99
74) N-amyl acetate	12.27	43	186502	20.380	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	145778	19.789	ug/l	98
76) 1,2,3-Trichloropropane	12.76	75	109006m	20.727	ug/l	
77) Bromobenzene	12.74	156	195968	20.673	ug/l	100
78) n-propylbenzene	12.80	91	1020716	21.268	ug/l	99
79) 2-Chlorotoluene	12.89	91	574217	21.025	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	722766	21.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	45150	19.128	ug/l	98
82) 4-Chlorotoluene	12.99	91	597573	21.060	ug/l	100
83) tert-Butylbenzene	13.21	119	628928	20.962	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	721545	21.158	ug/l	99
85) sec-Butylbenzene	13.38	105	870956	20.972	ug/l	100
86) p-Isopropyltoluene	13.49	119	802975	21.212	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	389404	21.125	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	385759	21.198	ug/l	99
89) n-Butylbenzene	13.82	91	749979	21.335	ug/l	99
90) Hexachloroethane	14.09	117	137239	20.753	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	338529	20.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	23122	19.820	ug/l	96

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ClientSampleId :
VW0103SBSD01

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	242330	22.149	ug/l	99
94) Hexachlorobutadiene	15.23	225	156890	21.398	ug/l	98
95) Naphthalene	15.36	128	377643	20.239	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	204468	21.440	ug/l	99

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

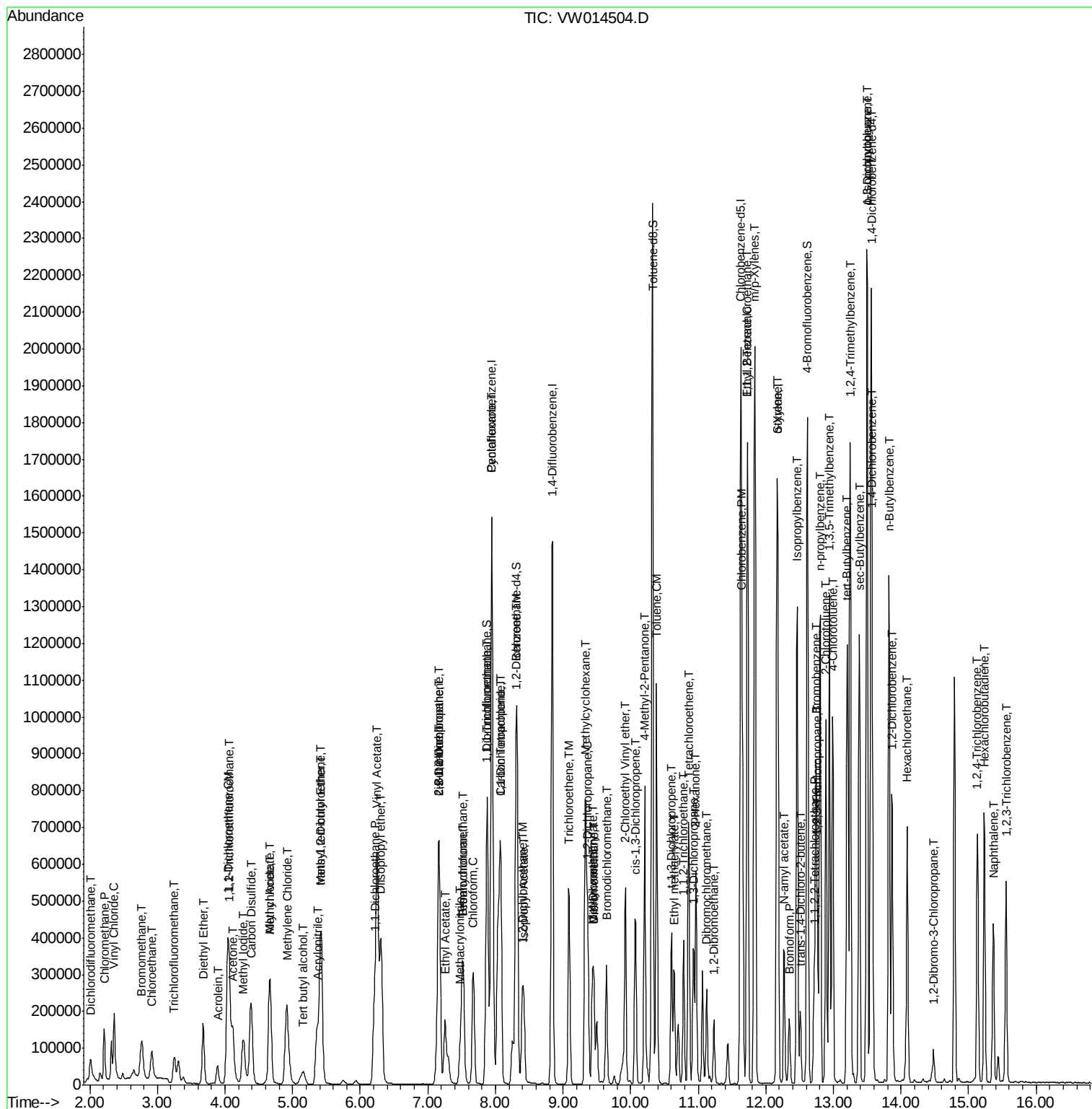
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 Data File : VW014504.D
 Acq On : 03 Jan 2020 17:46
 Operator : SY/VA
 Sample : VW0103SBSD01
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Instrument :
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBSD01

Tot Ion:168 Resp: 872370

Ion Ratio Lower Upper

168 100

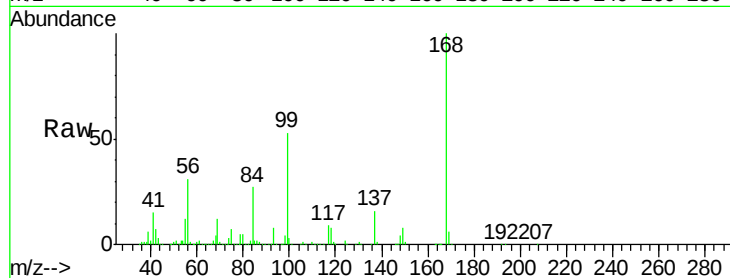
99 52.7 41.1 61.7

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

400000

300000

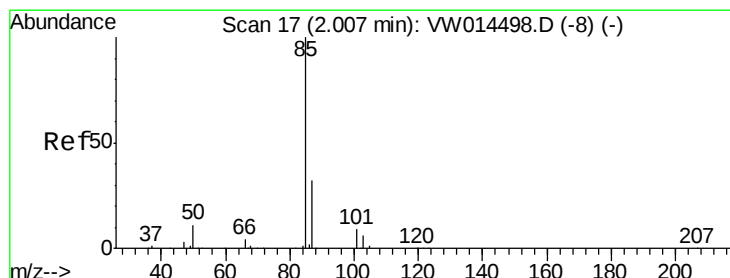
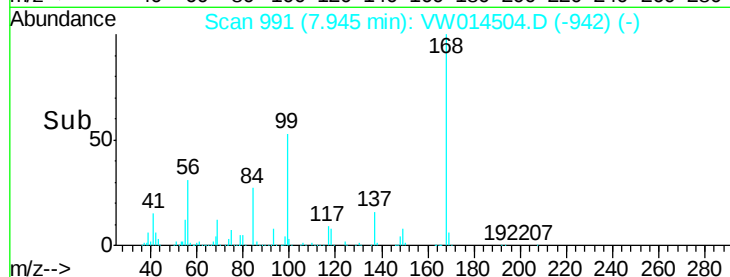
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100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.372 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014504.D

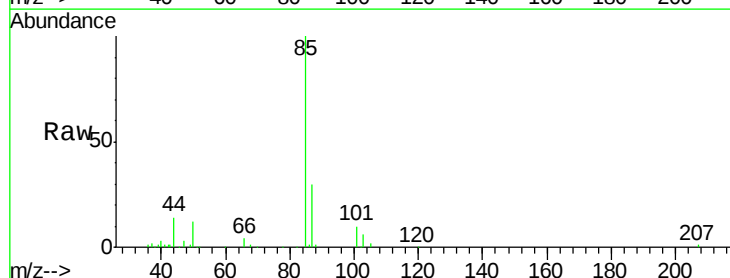
Acq: 03 Jan 2020 17:46

Tgt Ion: 85 Resp: 110194

Ion Ratio Lower Upper

85 100

87 30.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

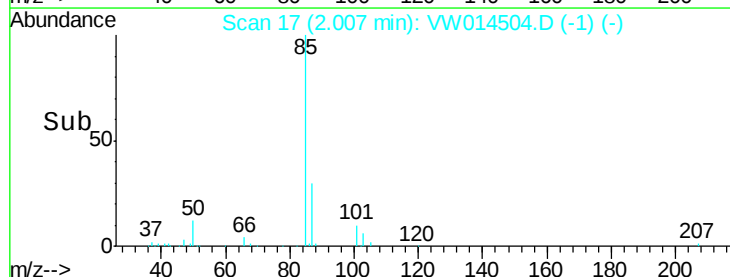
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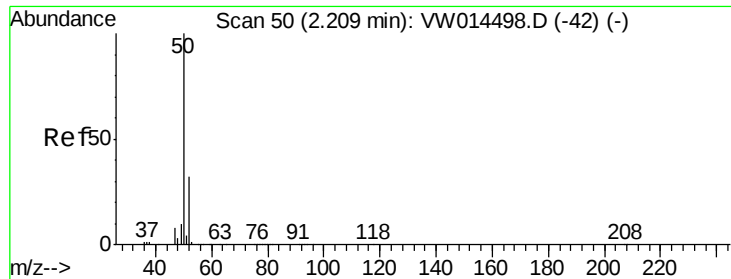
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0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.712 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBSD01

Tot Ion: 50 Resp: 130900

Ion Ratio Lower Upper

50 100

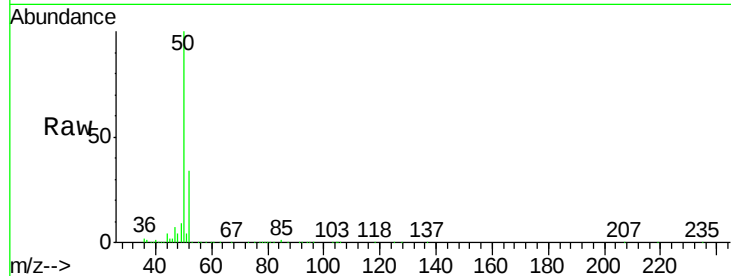
52 33.8 25.8 38.8

Manual Integrations

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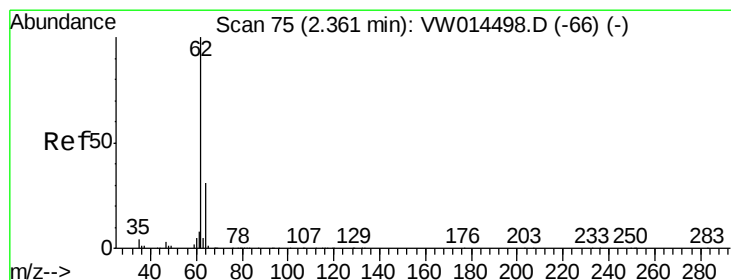
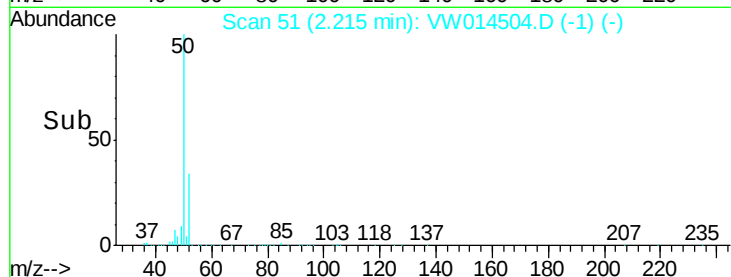
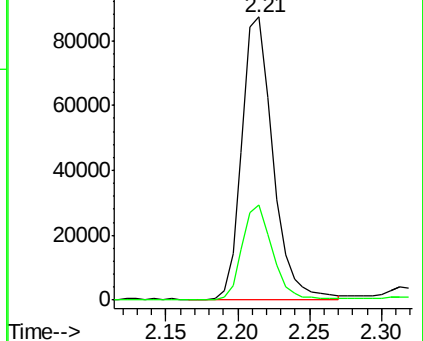
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.347 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014504.D

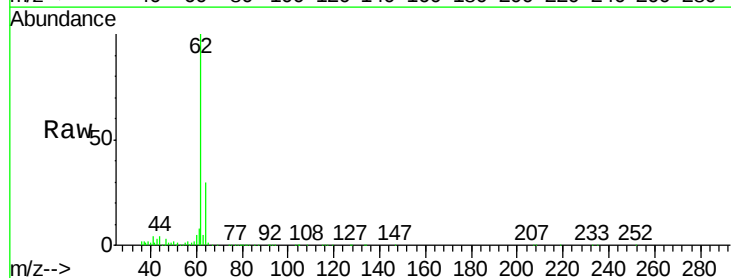
Acq: 03 Jan 2020 17:46

Tgt Ion: 62 Resp: 189298

Ion Ratio Lower Upper

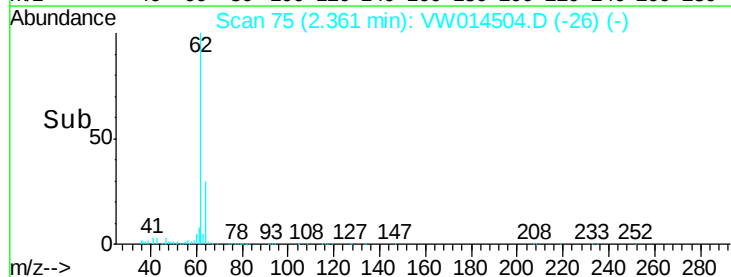
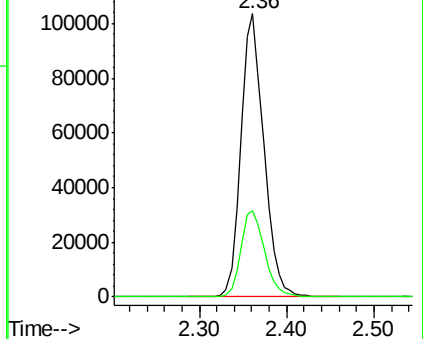
62 100

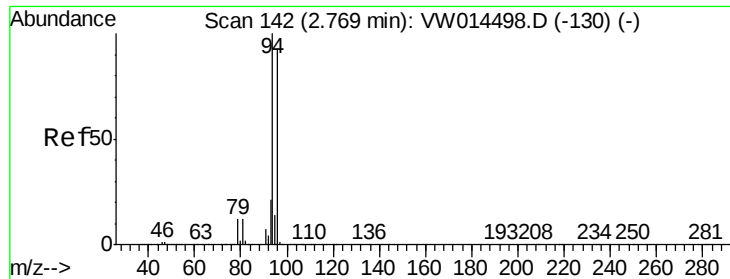
64 30.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.822 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 94 Resp: 119541

Ion Ratio Lower Upper

94 100

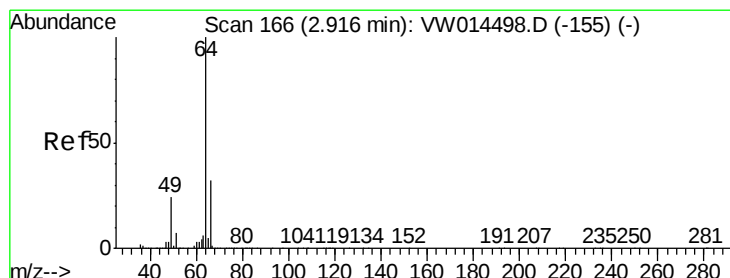
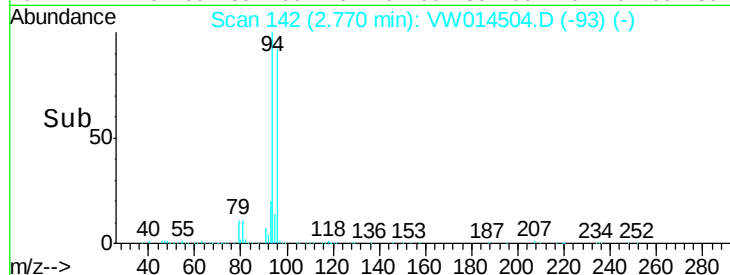
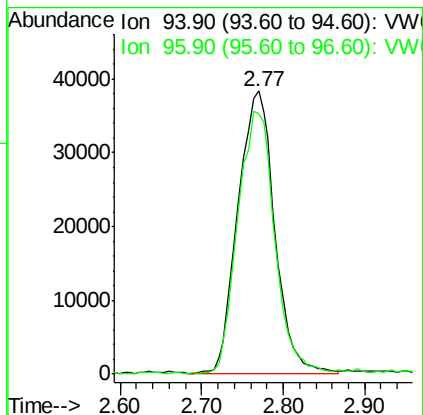
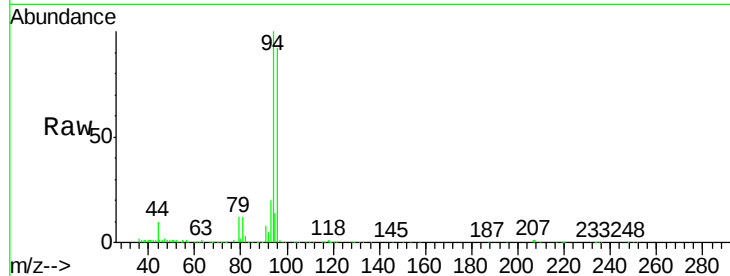
96 92.0 74.2 111.2

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#6

Chloroethane

Concen: 21.345 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014504.D

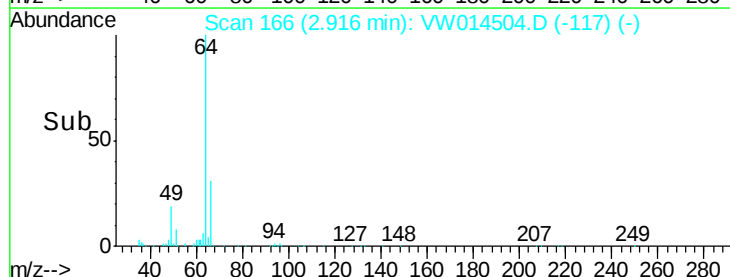
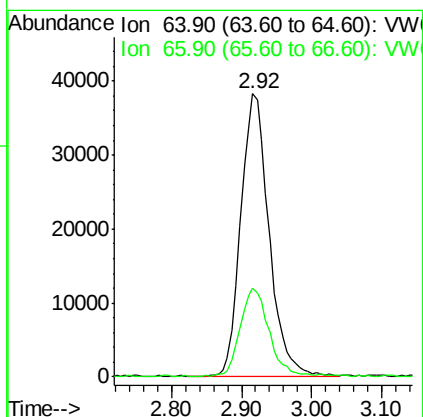
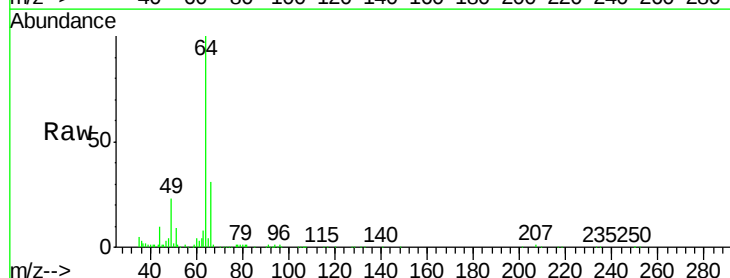
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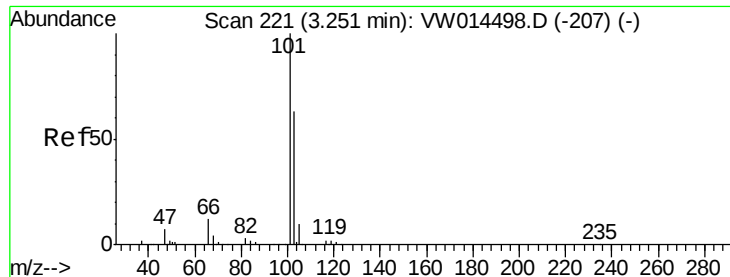
Tgt Ion: 64 Resp: 107898

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5





#7

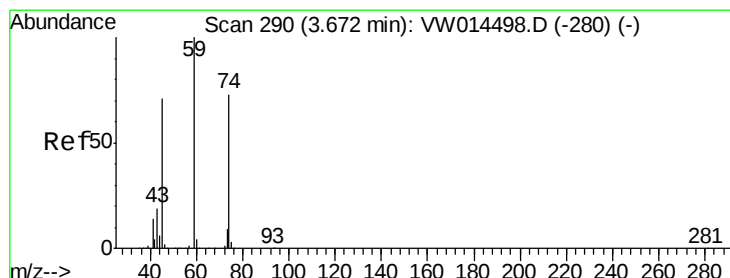
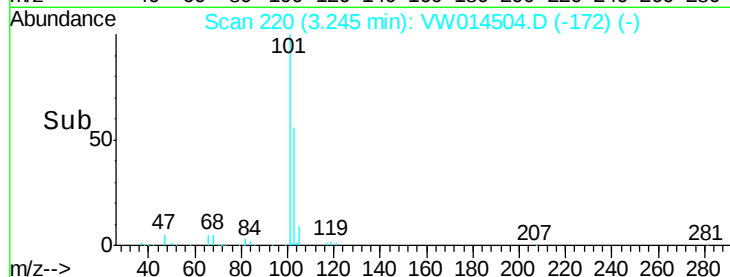
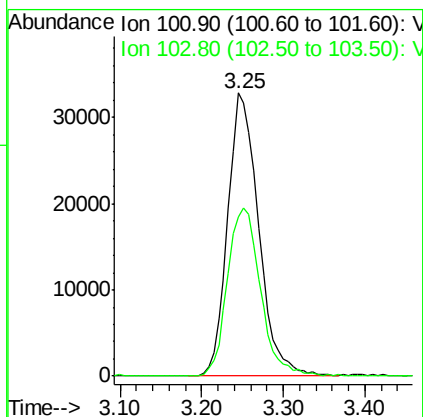
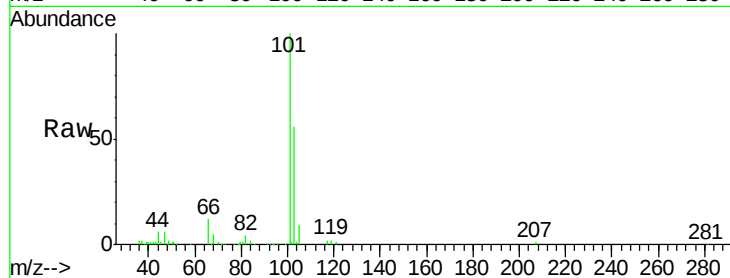
Trichlorofluoromethane
 Concen: 19.414 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	56.2	50.1	75.1

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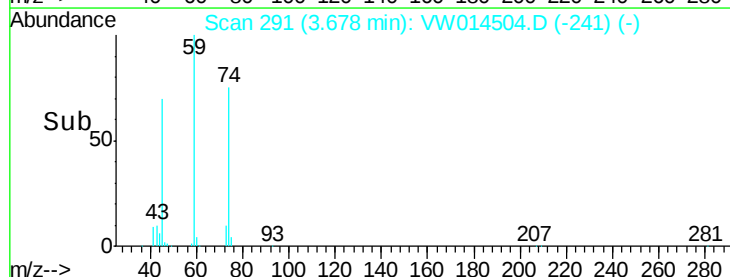
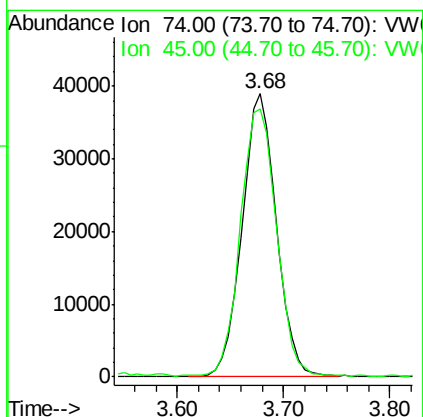
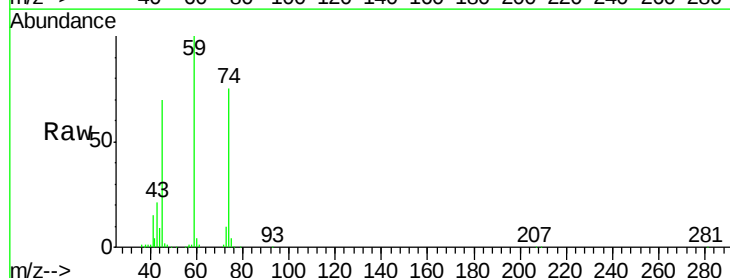
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#8

Diethyl Ether
 Concen: 19.979 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.975 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014504.D

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Instrument :

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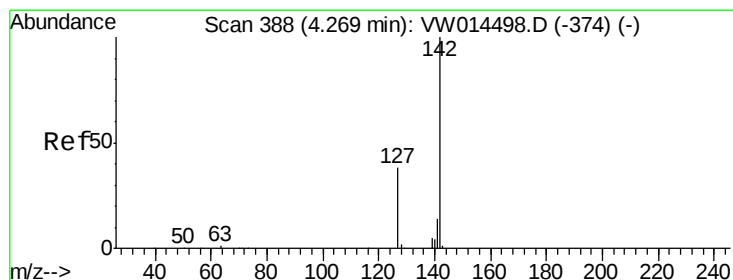
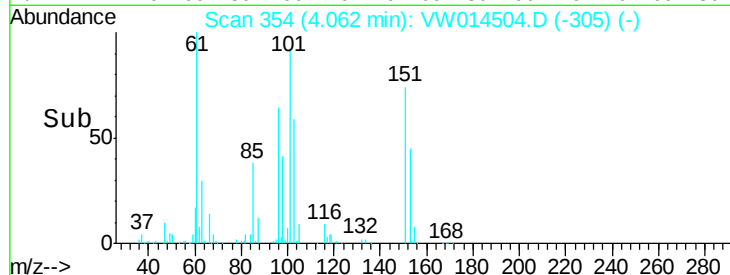
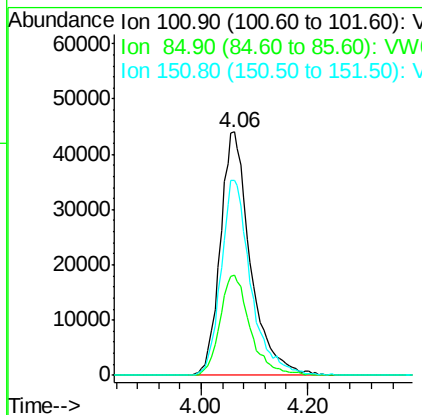
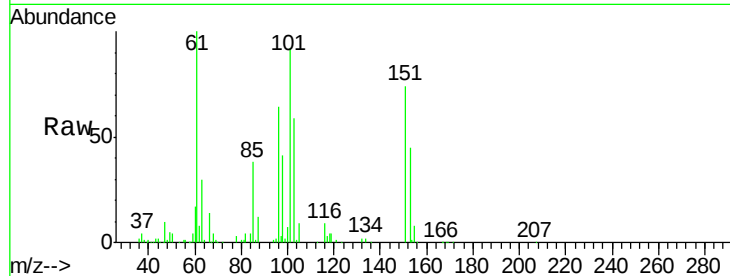
ClientSampleId :

VW0103SBS01

Tot Ion:	101	Resp:	173880
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.7	50.5
151	79.1	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.578 ug/l

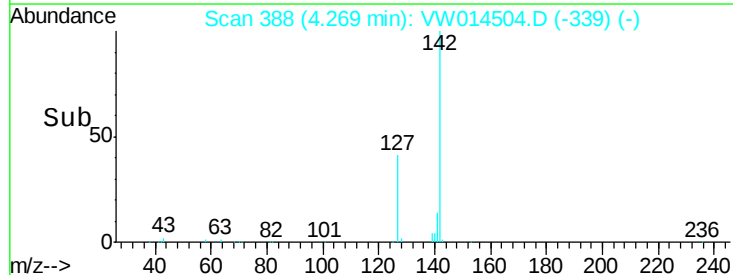
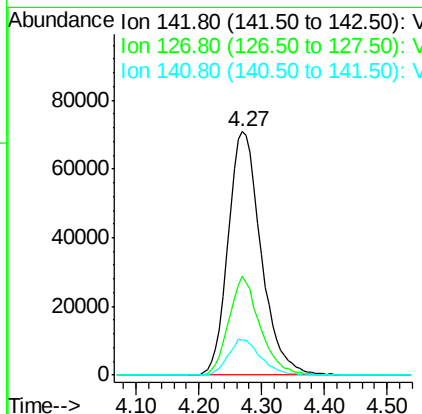
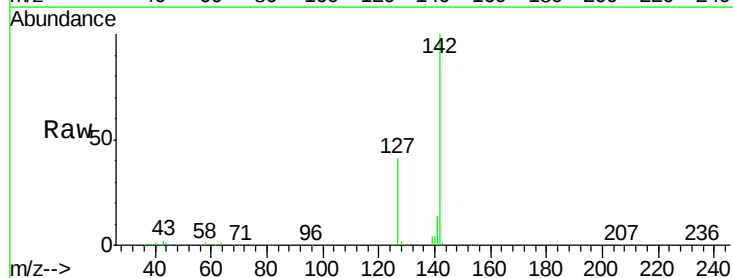
RT: 4.27 min Scan# 388

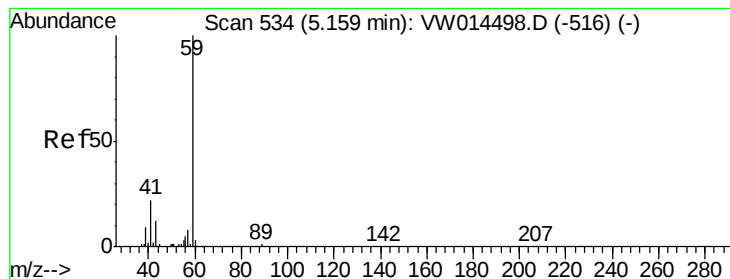
Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion:	142	Resp:	257395
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.2	45.4
141	14.5	11.4	17.2





#11

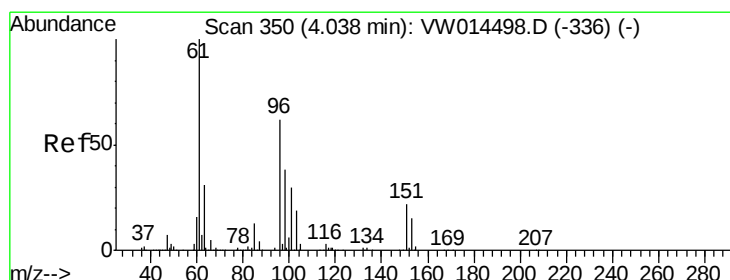
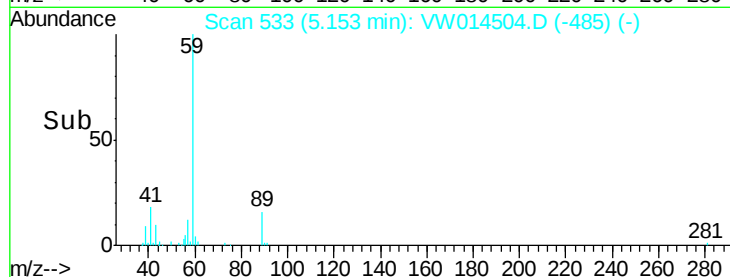
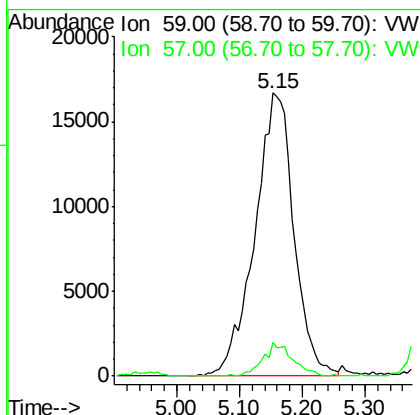
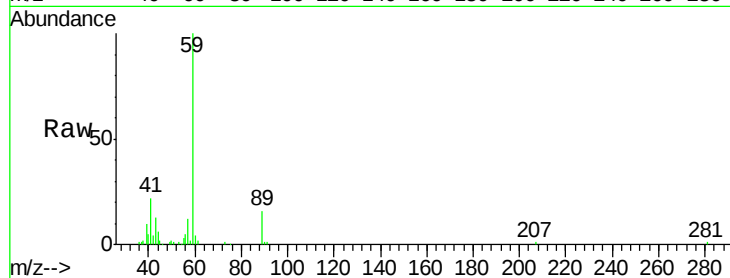
Tert butyl alcohol
Concen: 109.193 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	8.8	7.8	11.8	

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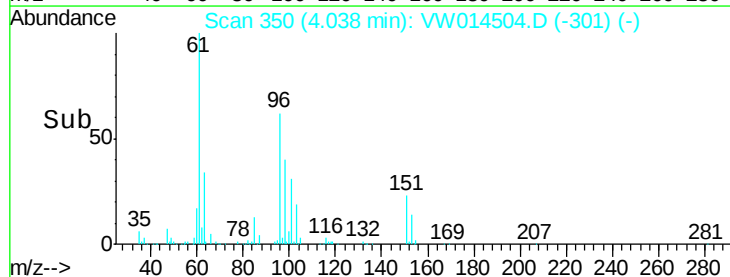
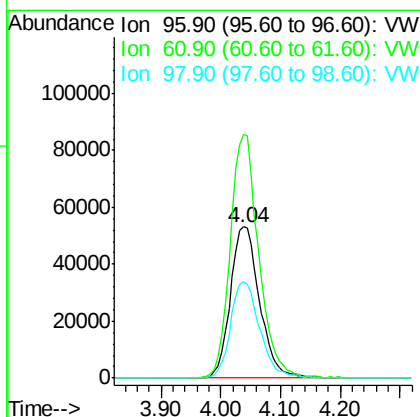
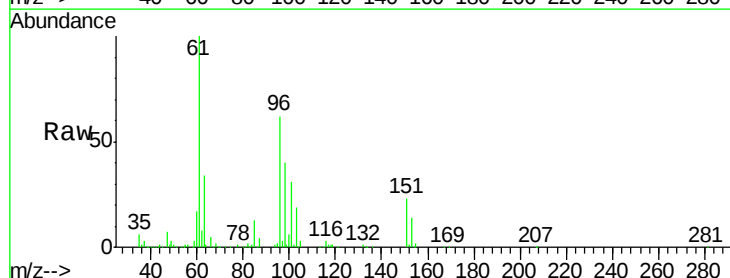
apatel
1/6/2020 10:43:36 AM

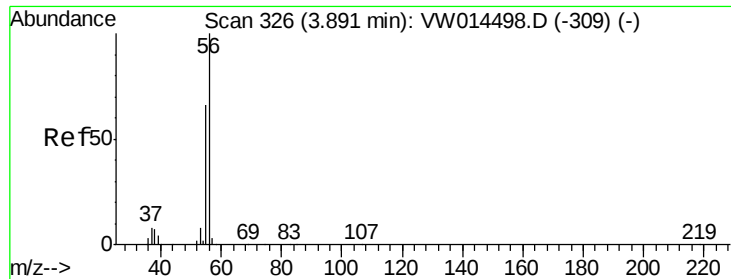


#12

1,1-Dichloroethene
Concen: 20.846 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	161.3	128.4	192.6	
98	63.8	49.1	73.7	





#13

Acrolein

Concen: 95.154 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 56 Resp: 63345

Ion Ratio Lower Upper

56 100

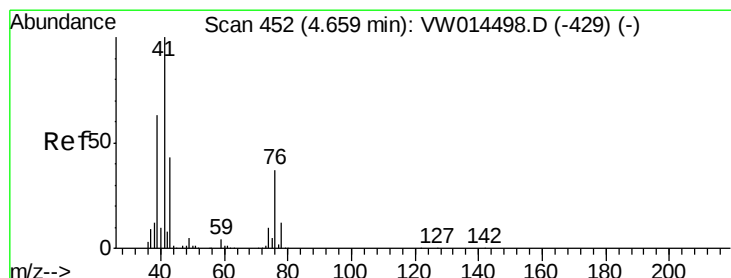
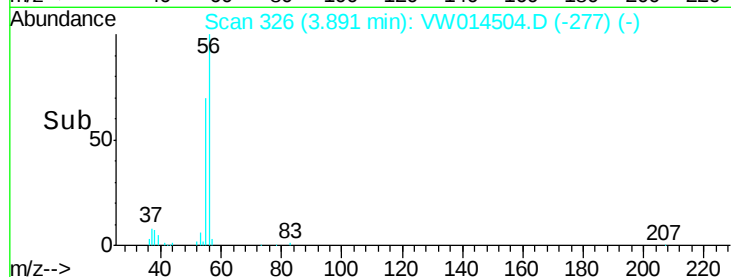
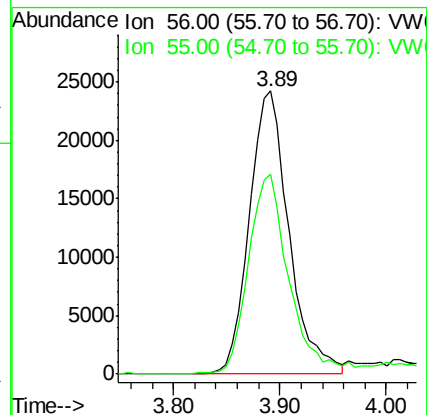
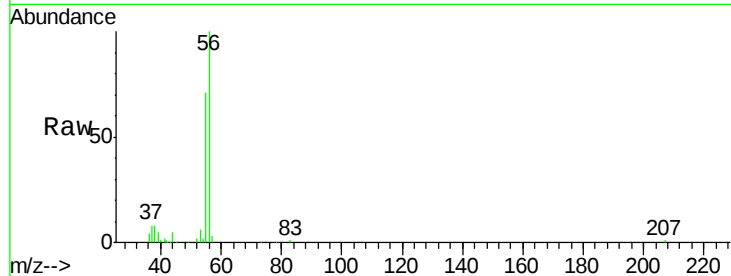
55 72.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.600 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

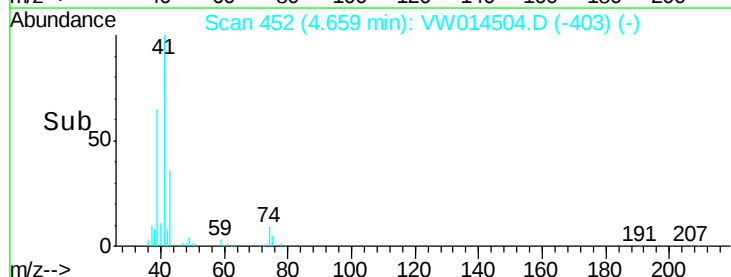
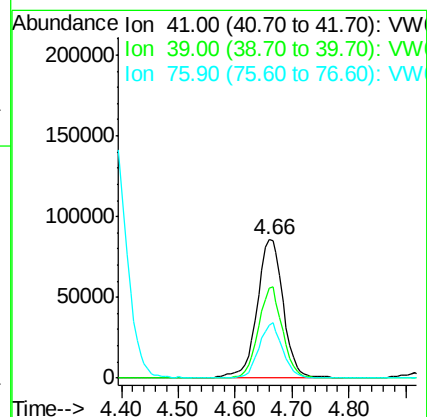
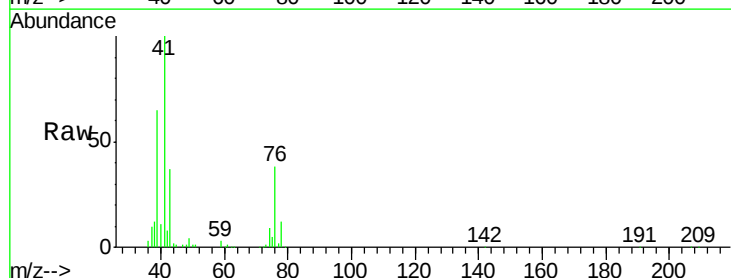
Tgt Ion: 41 Resp: 273284

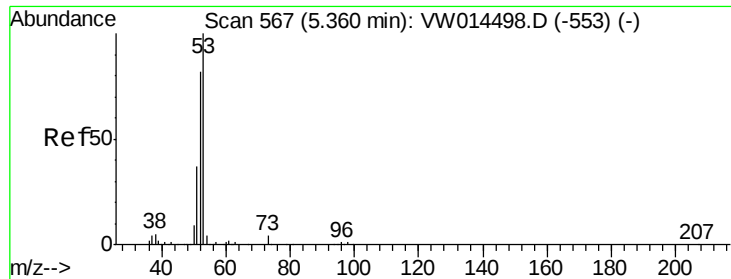
Ion Ratio Lower Upper

41 100

39 60.5 48.5 72.7

76 35.9 28.1 42.1





#15

Acrylonitrile

Concen: 98.141 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

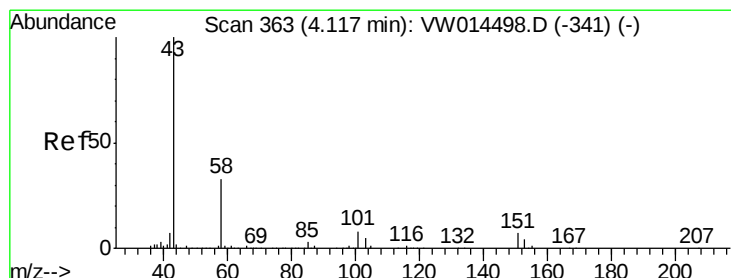
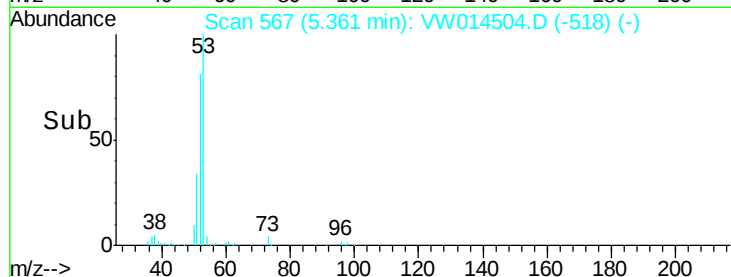
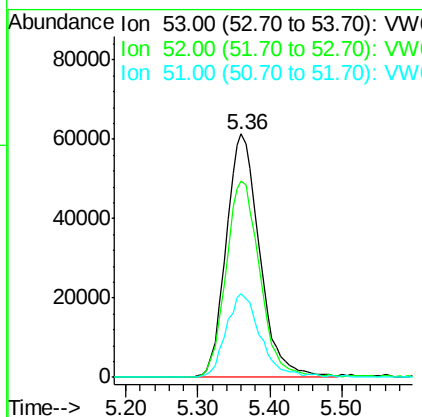
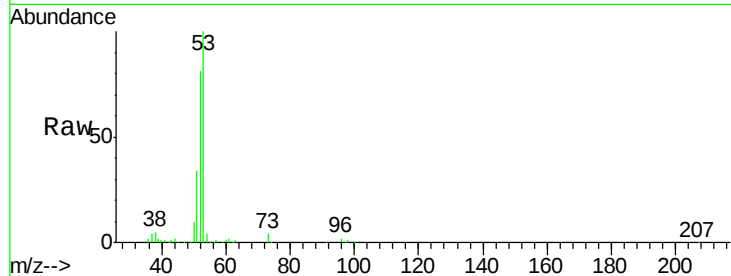
ClientSampled :

VW0103SBS01

Tot Ion:	53	Resp:	198034
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.5	99.7
51	35.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 90.213 ug/l

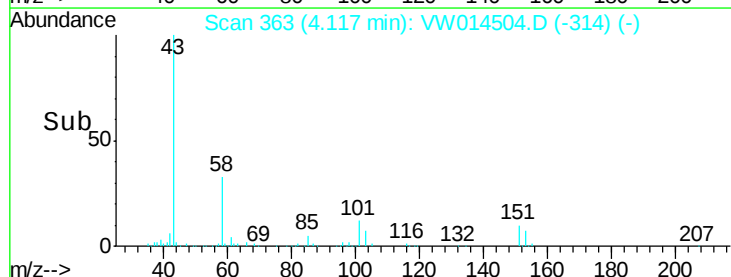
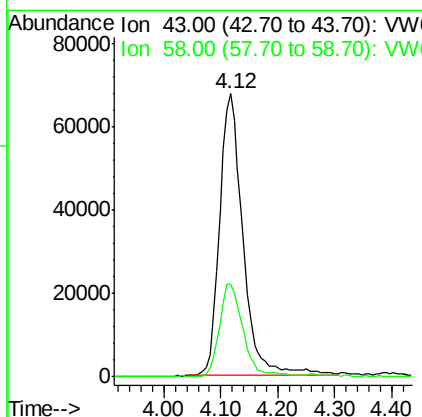
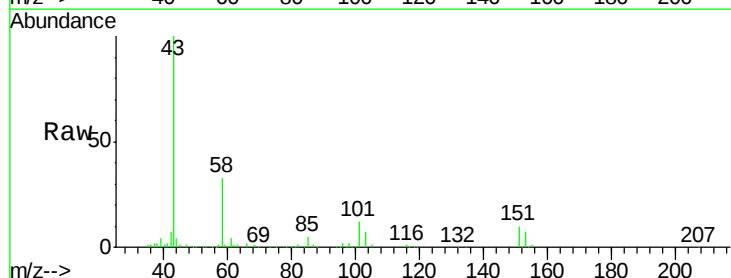
RT: 4.12 min Scan# 363

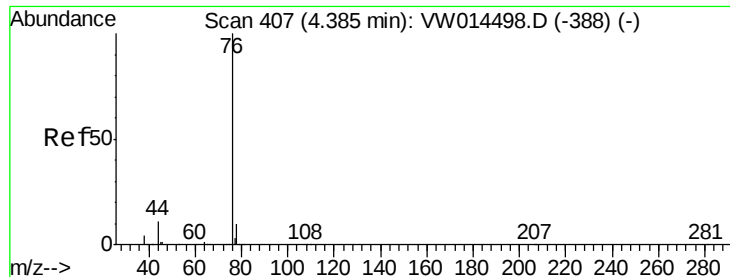
Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion:	43	Resp:	194290
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.6	39.8





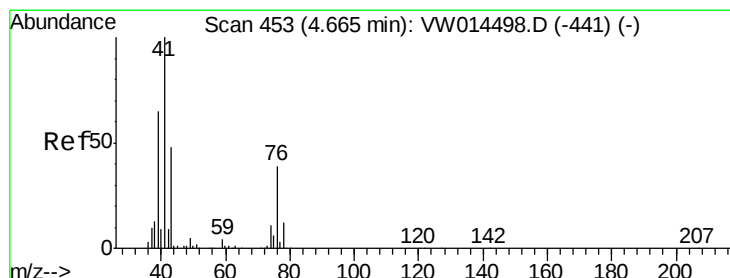
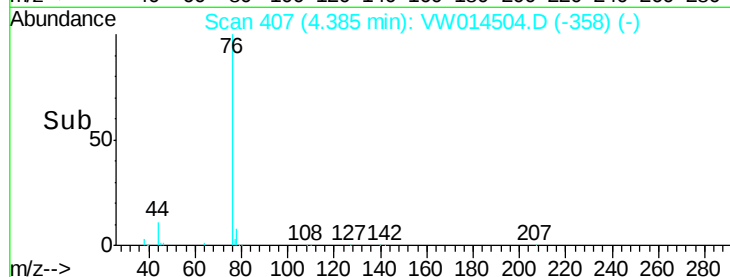
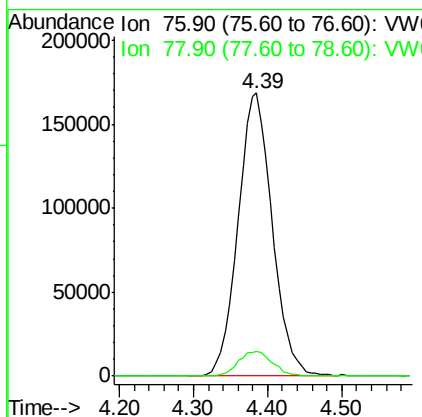
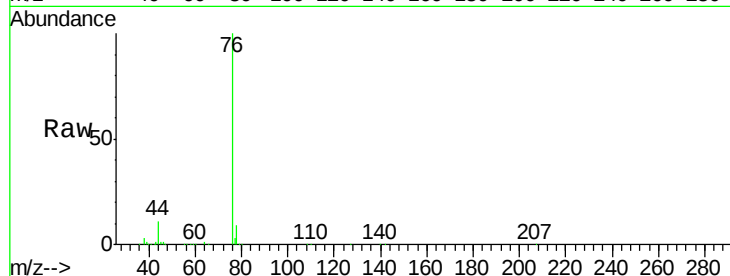
#17
Carbon Disulfide
Concen: 20.720 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	11.6

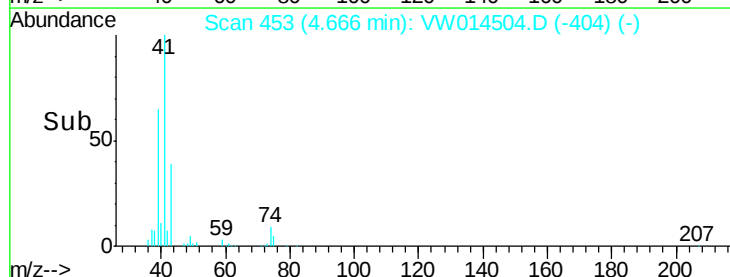
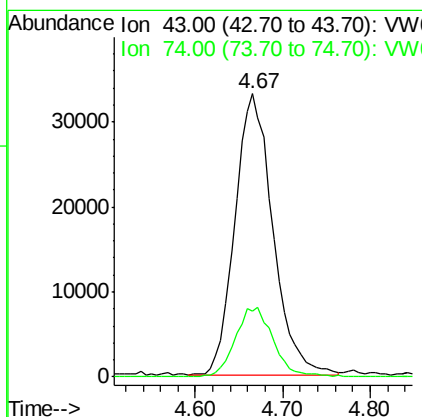
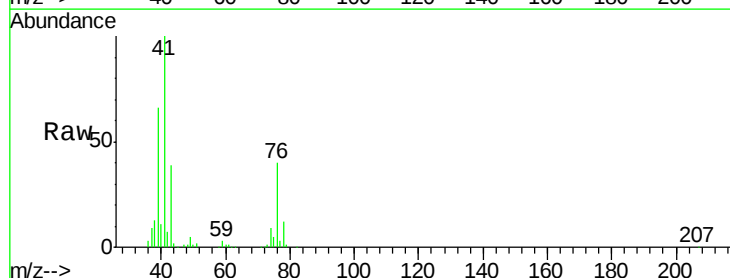
Manual Integrations
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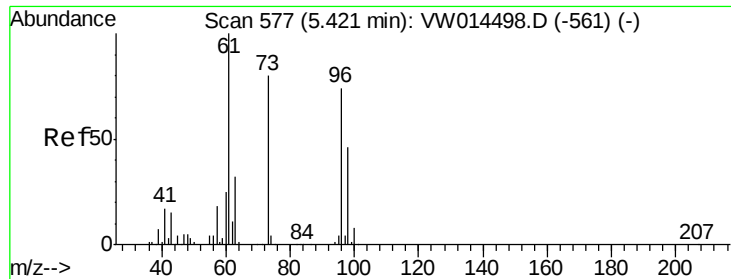
apatel
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#18
Methyl Acetate
Concen: 19.215 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.3	28.9





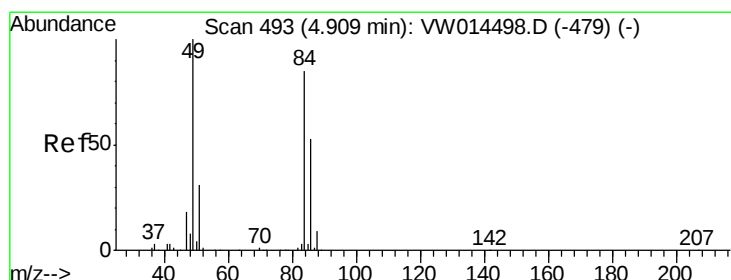
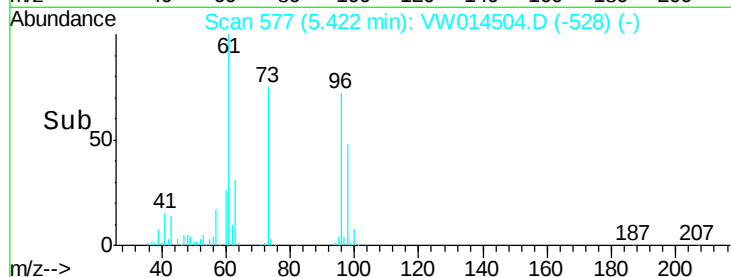
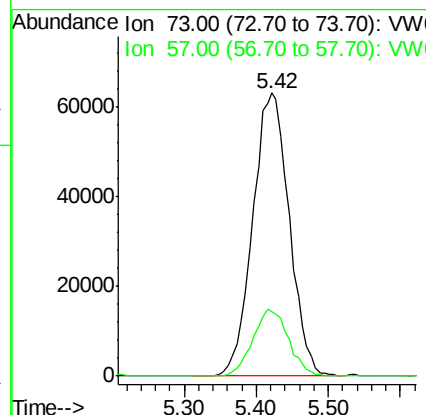
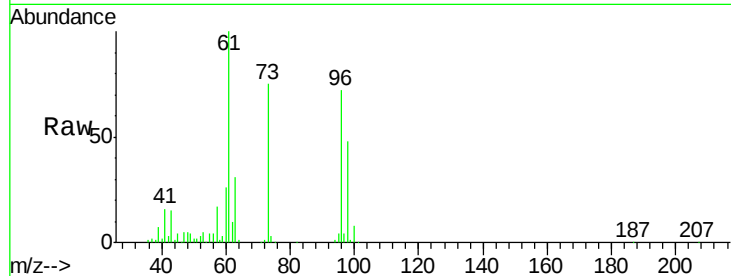
#19
Methvl tert-butvl Ether
Concen: 20.623 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampled :
VW0103SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.1	27.1

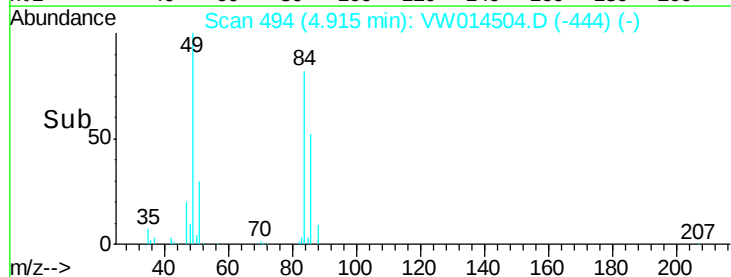
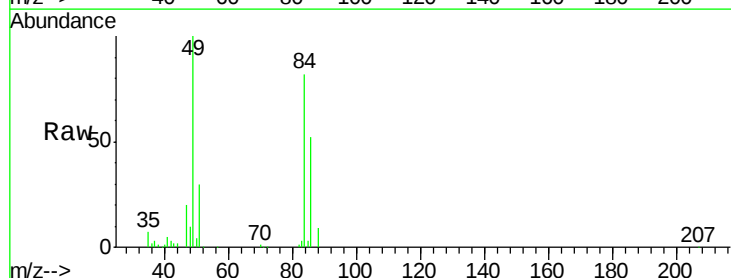
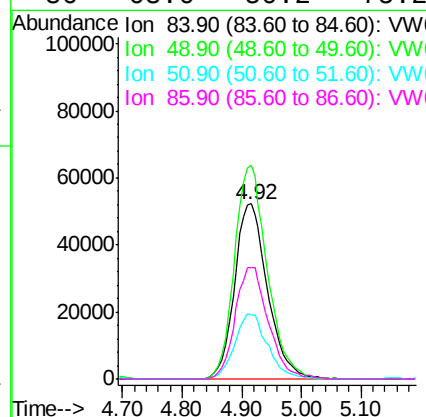
Manual Integrations
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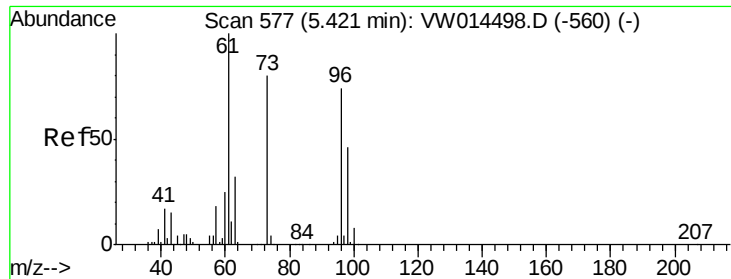
apatel
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#20
Methylene Chloride
Concen: 20.347 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	94.4	141.6
51	36.8	29.5	44.3
86	63.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 20.431 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

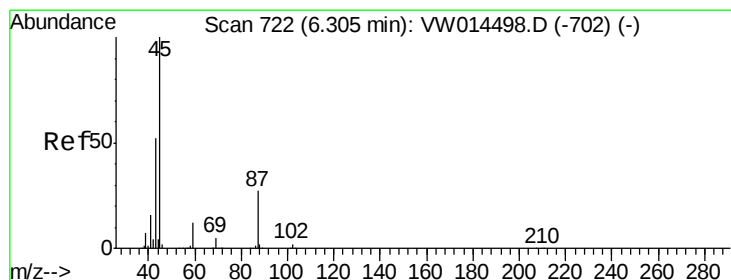
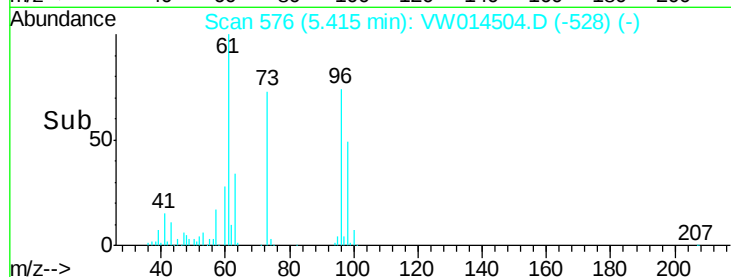
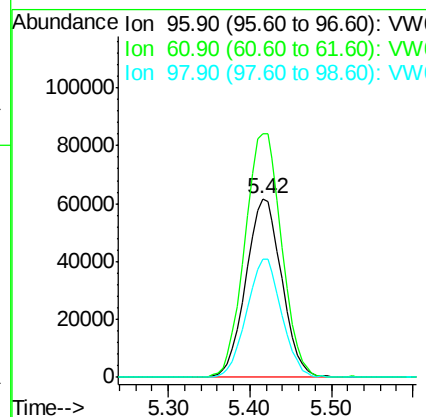
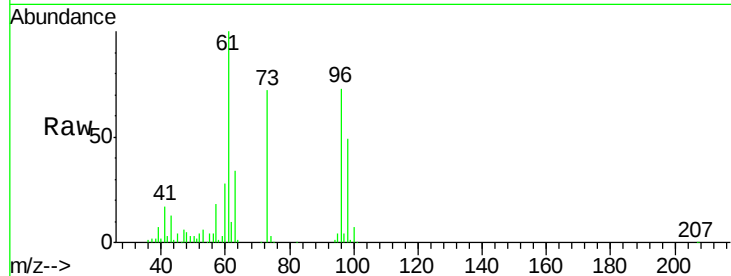
ClientSampleId :

VW0103SBSD01

Tot Ion:	96	Resp:	188335
Ion	Ratio	Lower	Upper
96	100		
61	136.1	107.8	161.6
98	66.3	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.144 ug/l

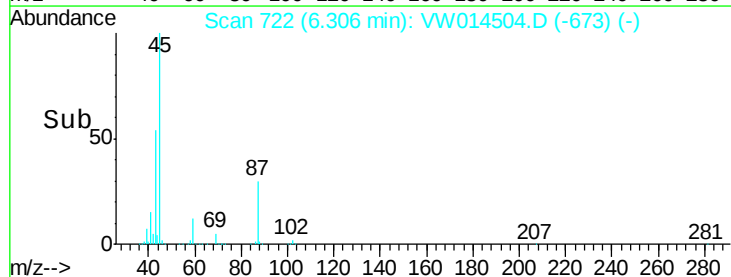
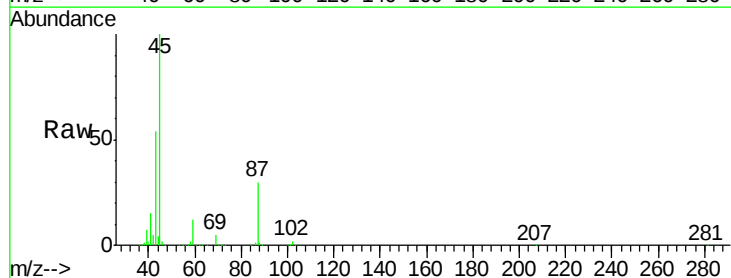
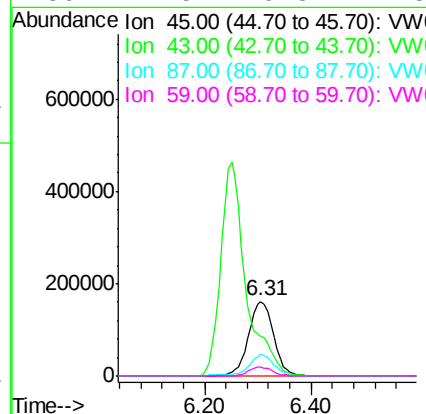
RT: 6.31 min Scan# 722

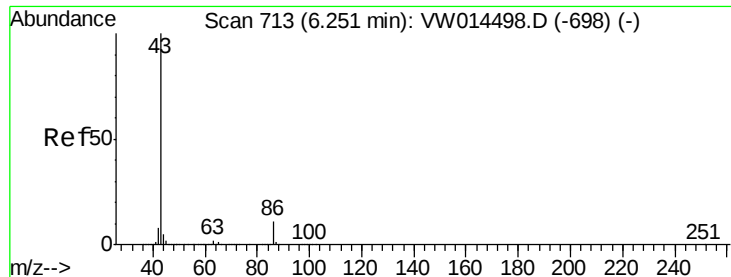
Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion:	45	Resp:	525037
Ion	Ratio	Lower	Upper
45	100		
43	54.0	41.4	62.0
87	29.9	22.2	33.2
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 102.069 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 43 Resp: 1530501

Ion Ratio Lower Upper

43 100

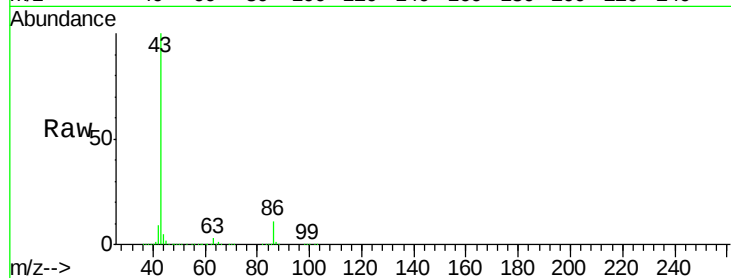
86 11.0 8.8 13.2

Manual Integrations

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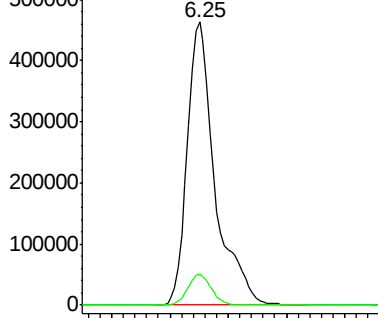
apatel

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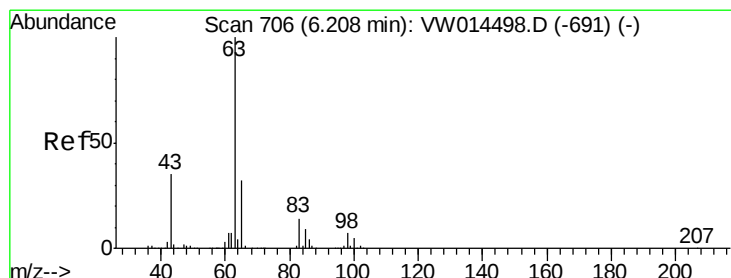
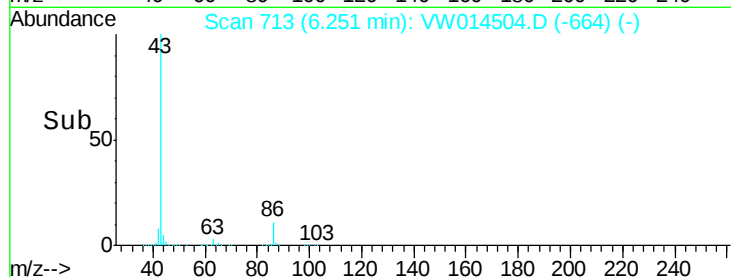


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.566 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

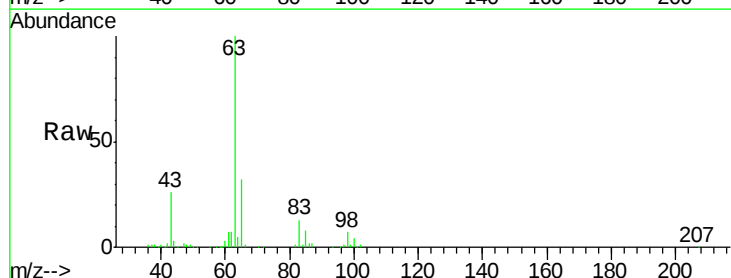
Tgt Ion: 63 Resp: 322135

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

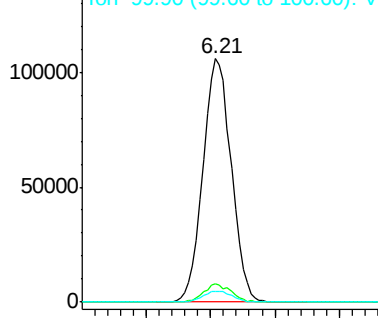
100 4.3 2.5 7.4



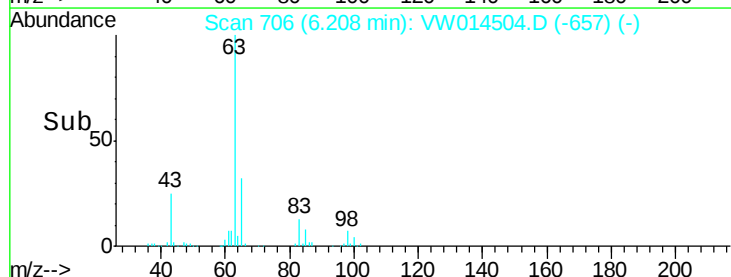
Abundance Ion 62.90 (62.60 to 63.60): VW

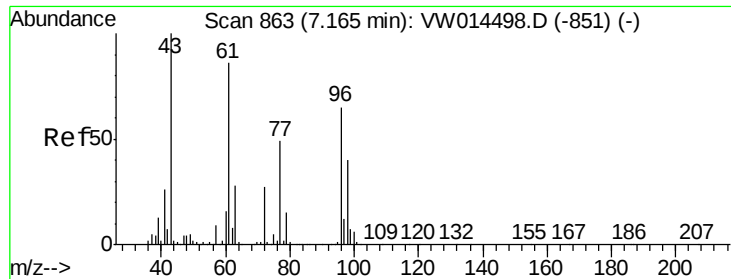
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 92.964 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 43 Resp: 256941

Ion Ratio Lower Upper

43 100

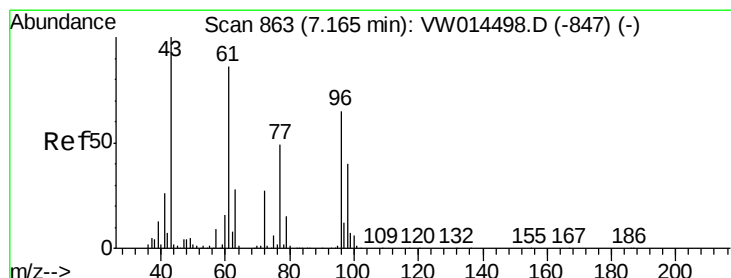
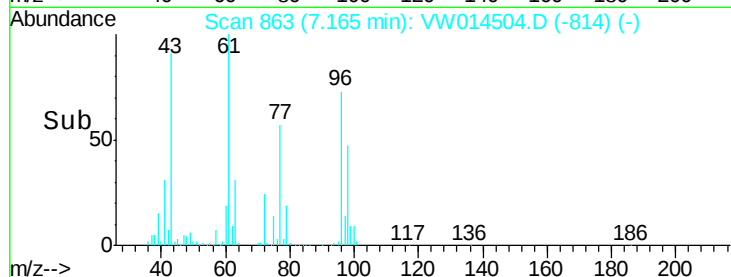
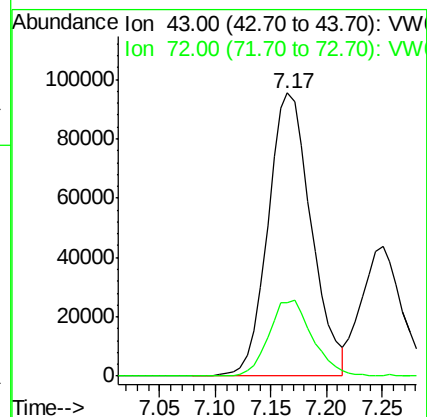
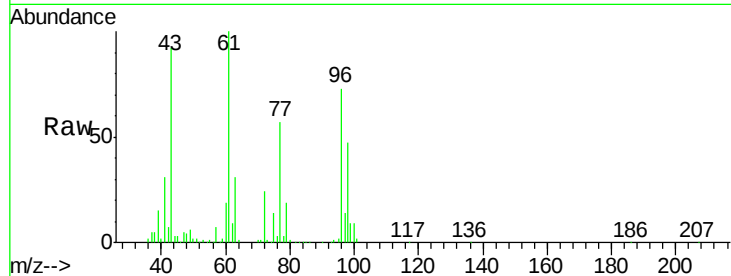
72 25.9 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 20.224 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014504.D

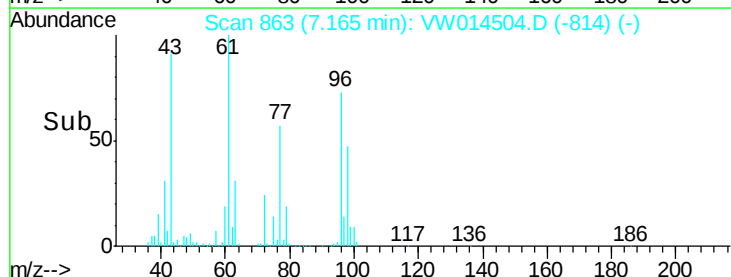
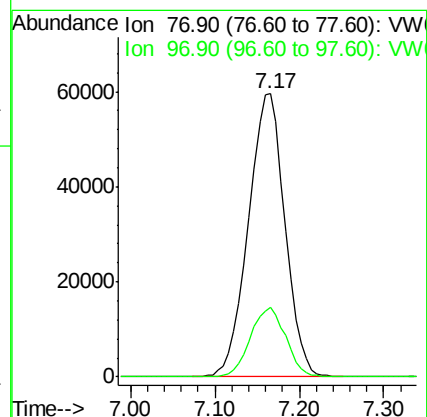
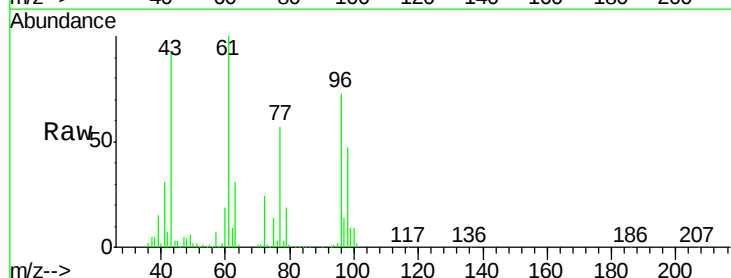
Acq: 03 Jan 2020 17:46

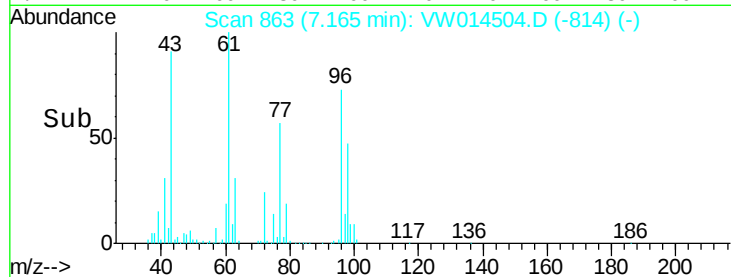
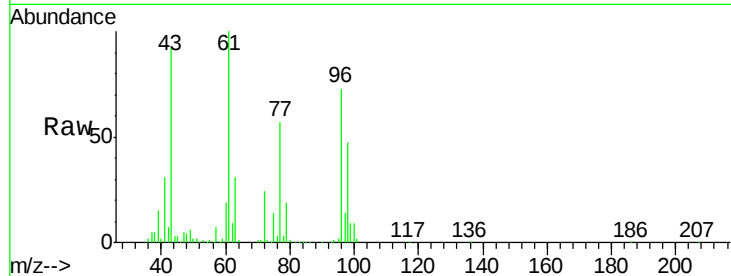
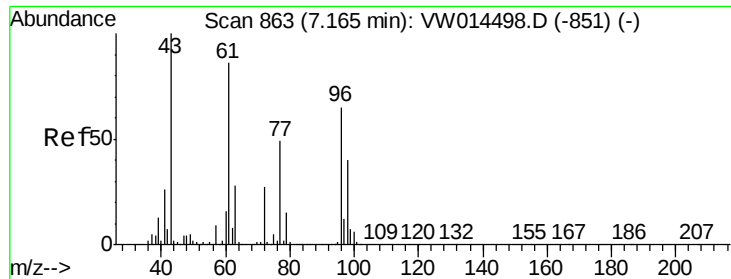
Tgt Ion: 77 Resp: 175383

Ion Ratio Lower Upper

77 100

97 23.7 12.5 37.5





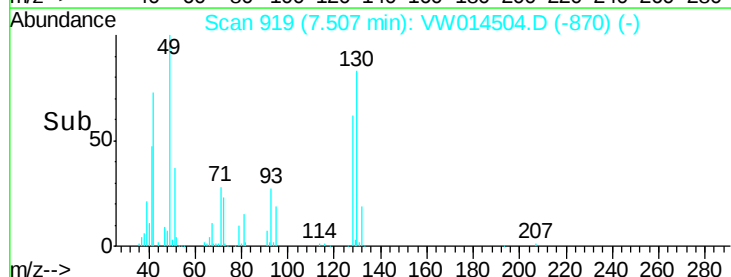
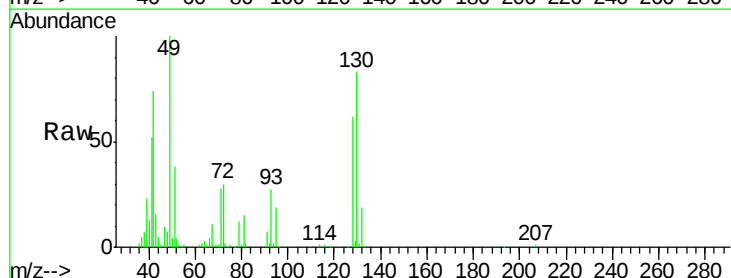
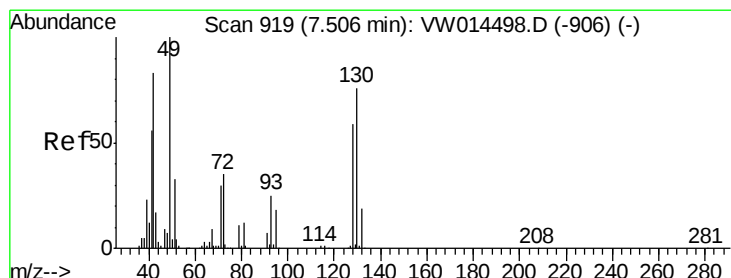
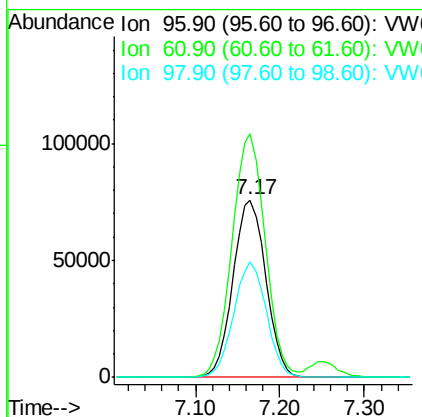
#27
 cis-1,2-Dichloroethene
 Concen: 20.618 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199710		
61	139.0	0.0	274.8	
98	64.5	0.0	128.6	

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBSD01

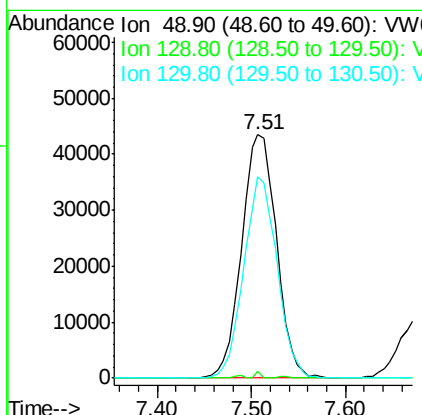
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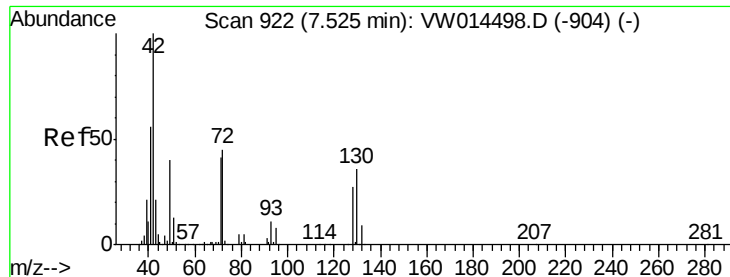
apatel
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#28
 Bromochloromethane
 Concen: 18.223 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111907		
129	0.4	0.0	2.0	
130	79.5	62.5	93.7	





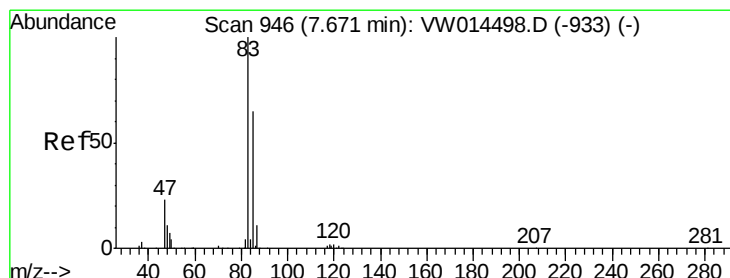
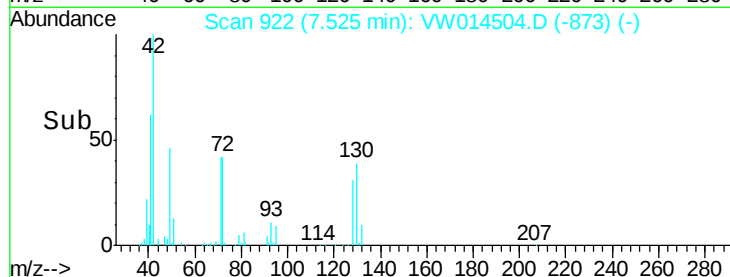
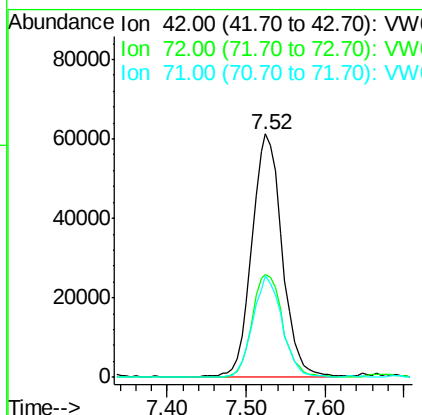
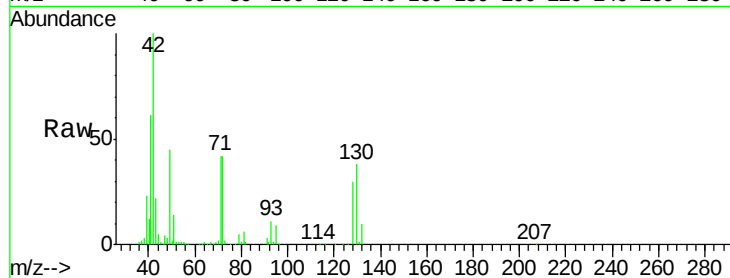
#29
Tetrahydrofuran
Concen: 94.883 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.5	51.7
71	40.3	32.0	48.0

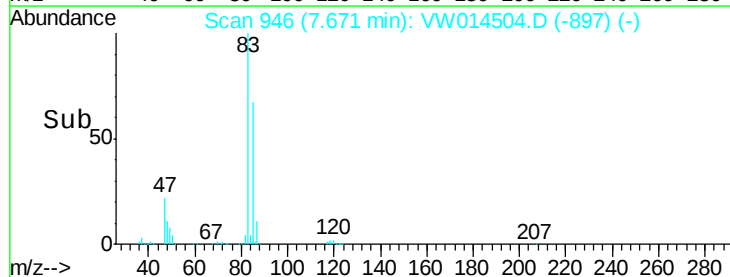
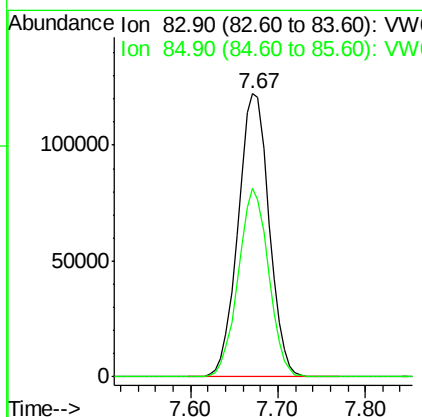
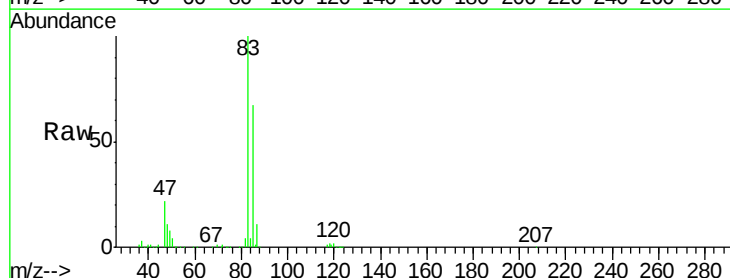
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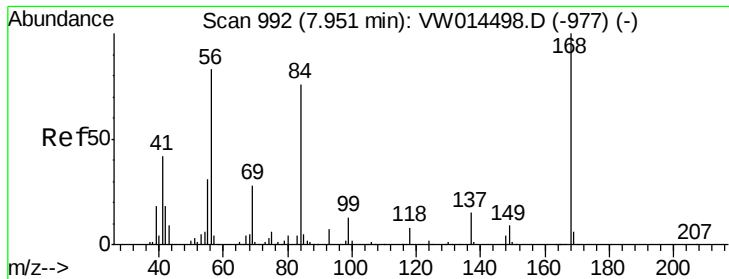
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#30
Chloroform
Concen: 20.604 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.2





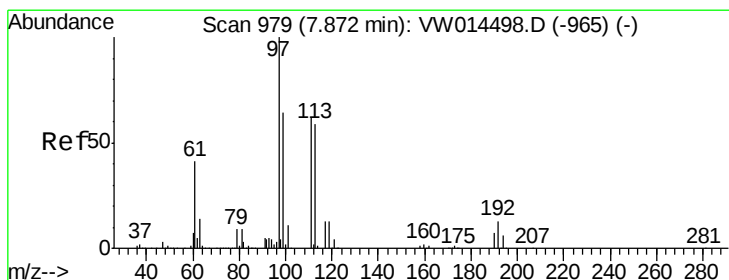
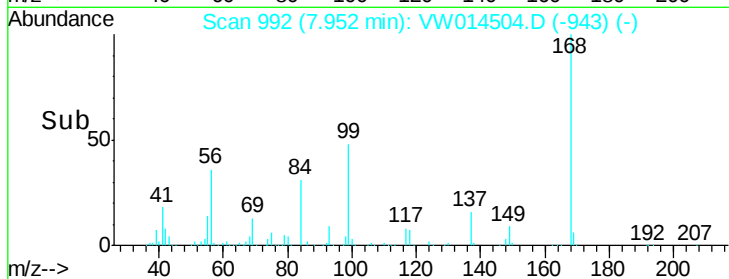
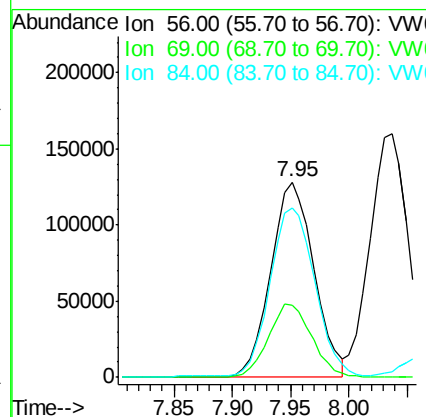
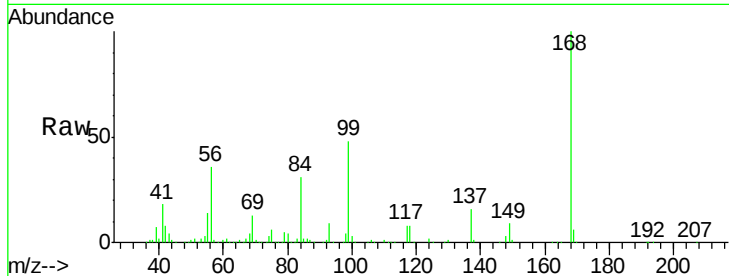
#31
Cyclohexane
Concen: 20.268 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.8	40.2
84	85.9	71.8	107.6

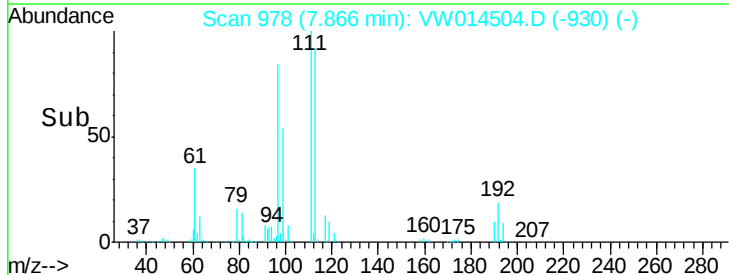
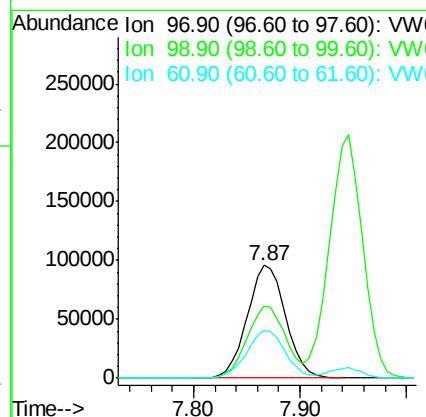
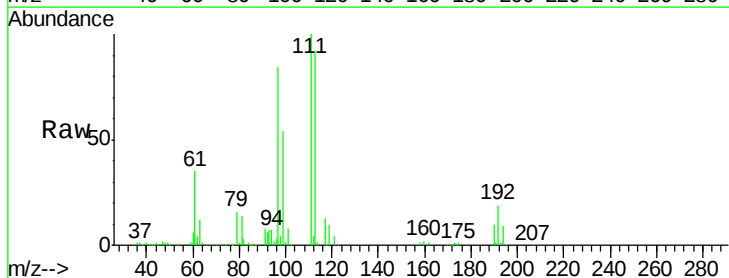
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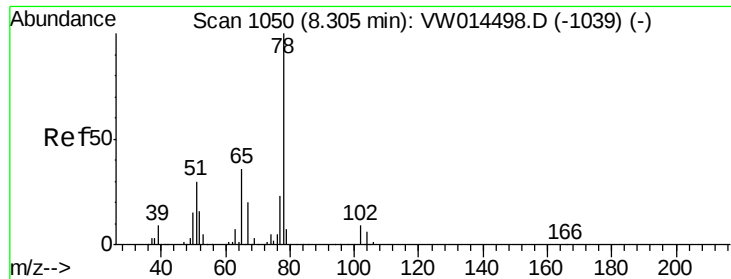
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#32
1,1,1-Trichloroethane
Concen: 20.642 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	42.1	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 52.240 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 65 Resp: 398448

Ion Ratio Lower Upper

65 100

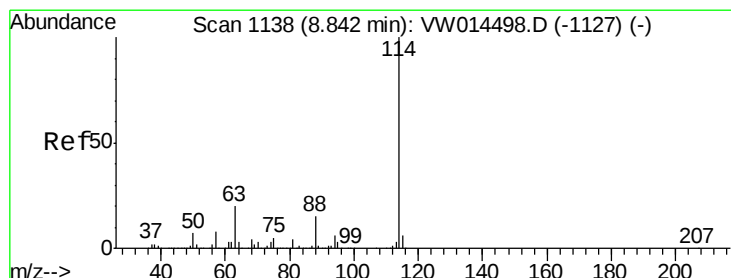
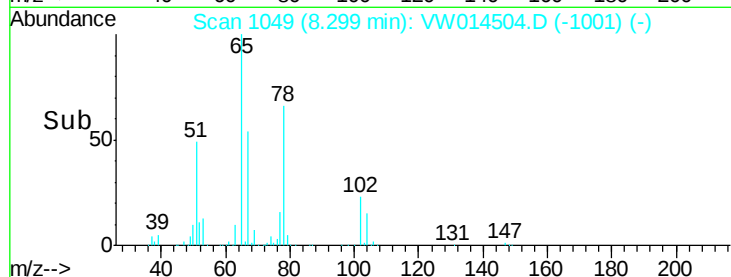
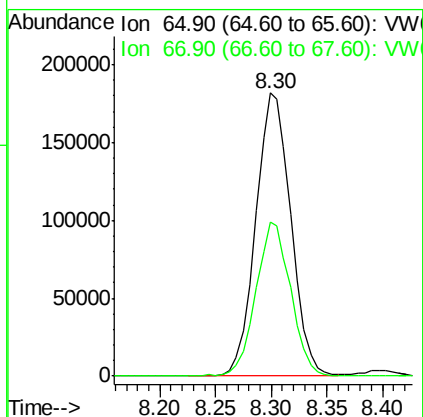
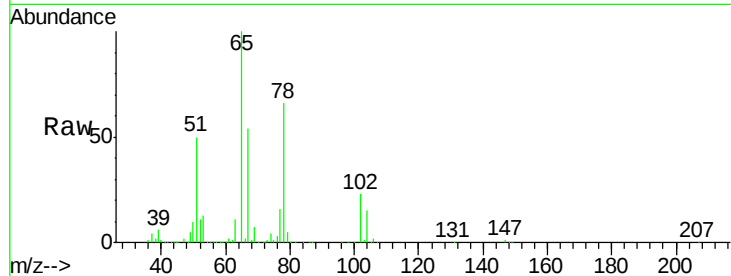
67 54.1 0.0 108.4

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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: VW014504.D

Acq: 03 Jan 2020 17:46

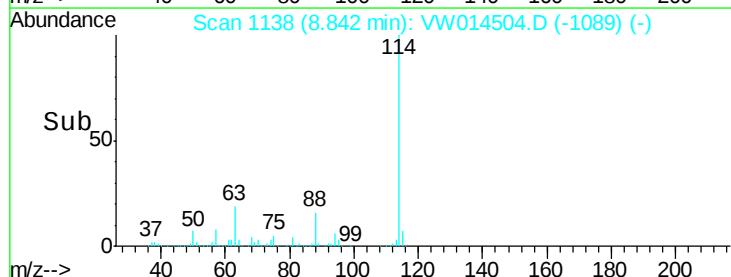
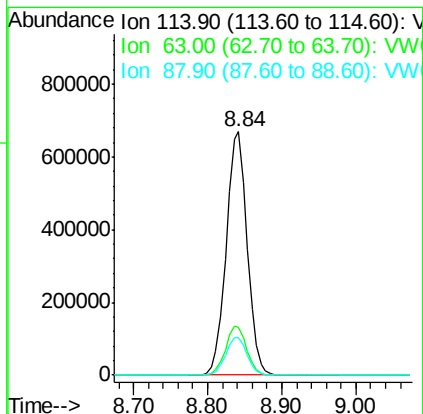
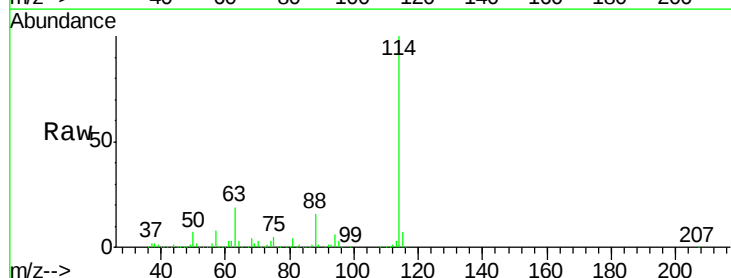
Tgt Ion: 114 Resp: 1311849

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.6 0.0 30.6





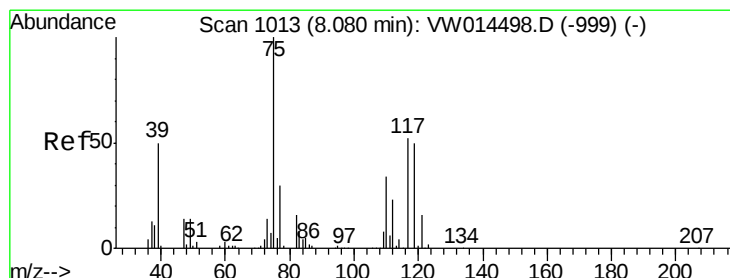
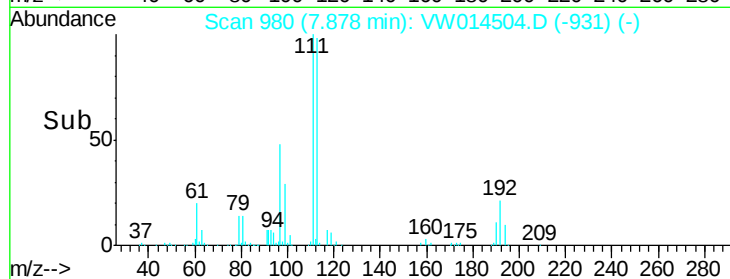
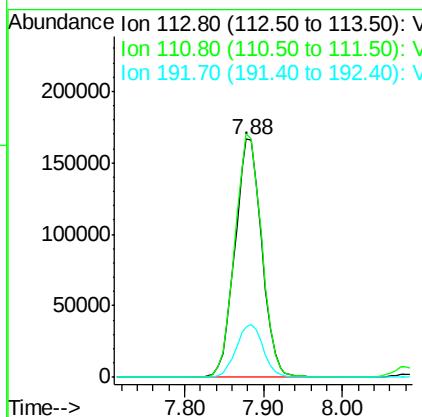
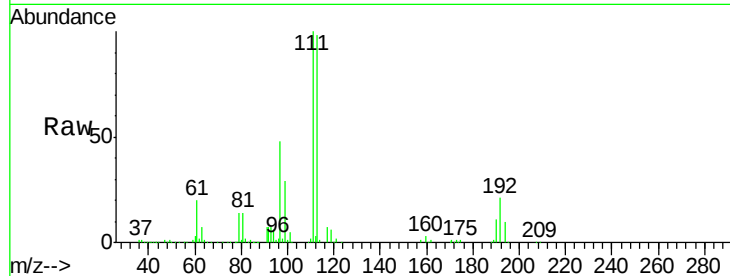
#35
 Dibromofluoromethane
 Concen: 52.640 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0103SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	81.4	122.2	
192	22.3	17.8	26.8	

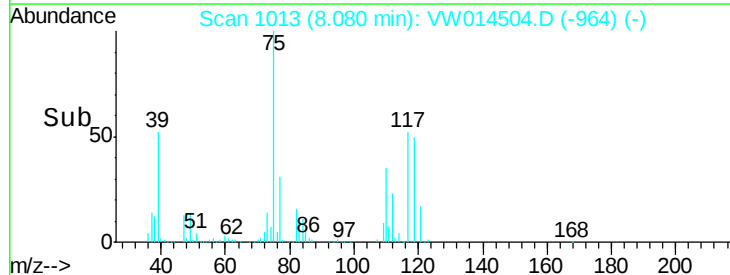
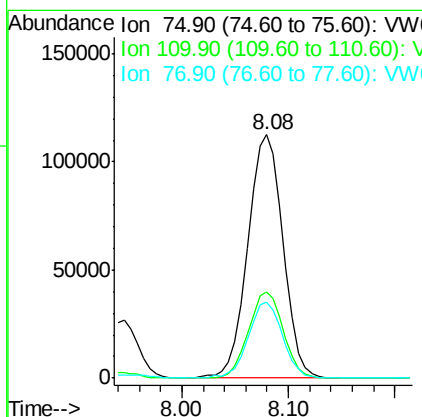
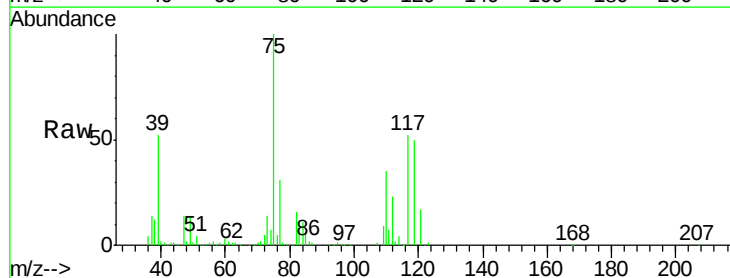
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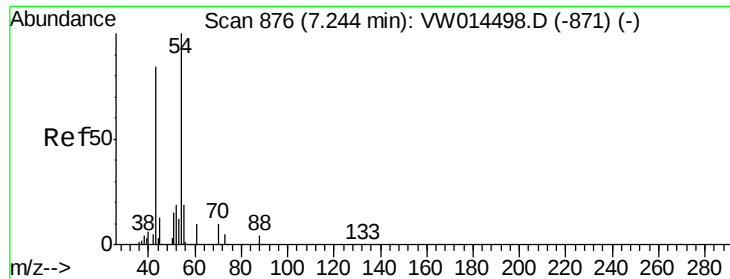
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#36
 1,1-Dichloropropene
 Concen: 20.593 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.2	17.8	53.5	
77	30.9	24.7	37.1	





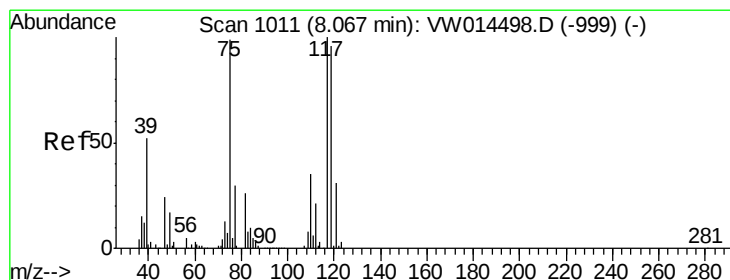
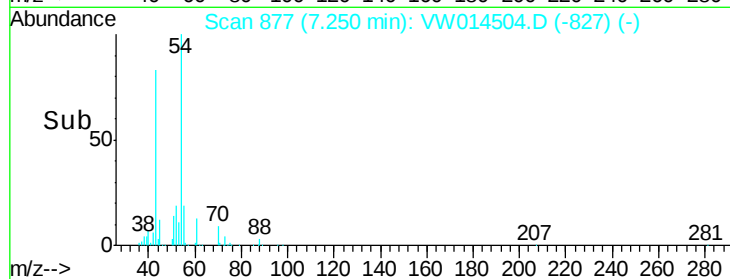
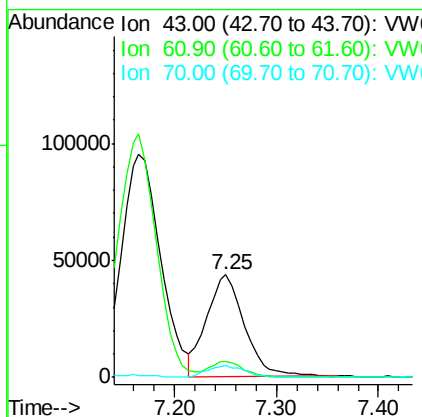
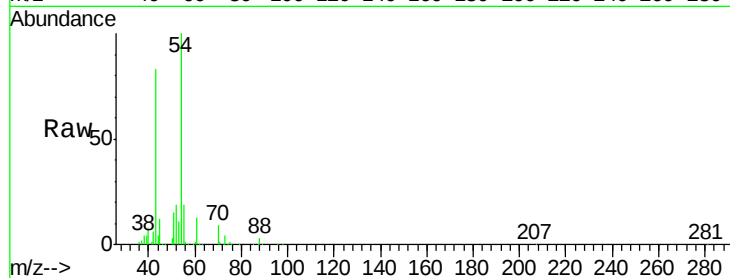
#37
Ethyl Acetate
Concen: 19.655 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	11.1	9.0	13.6

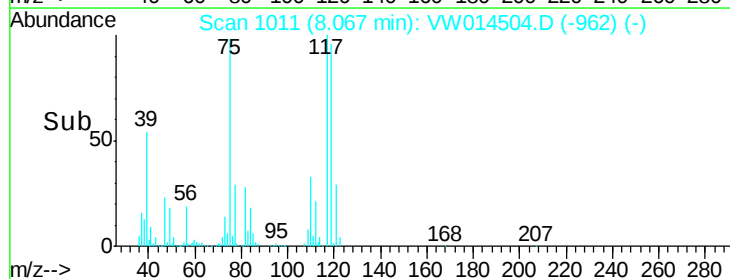
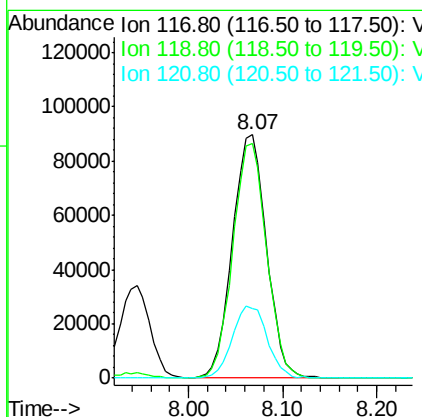
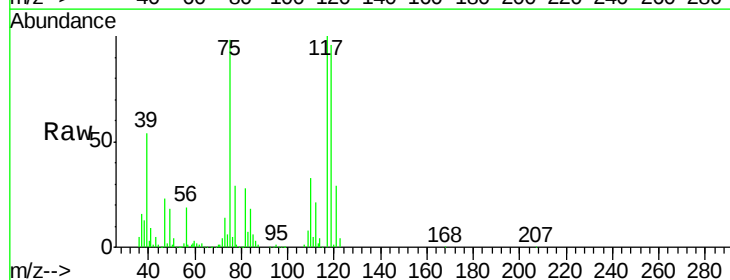
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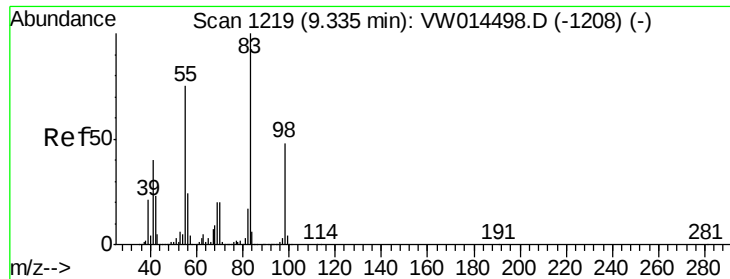
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#38
Carbon Tetrachloride
Concen: 20.535 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.6
121	28.7	24.6	36.8





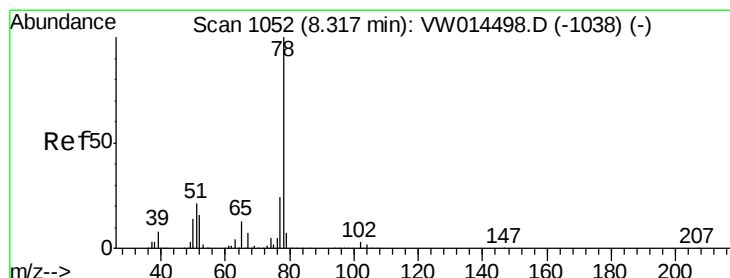
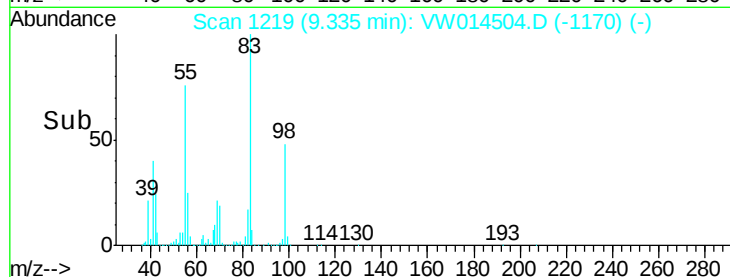
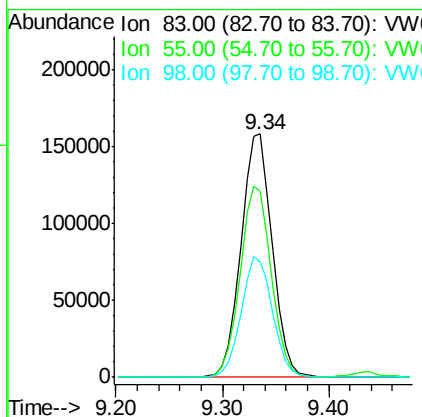
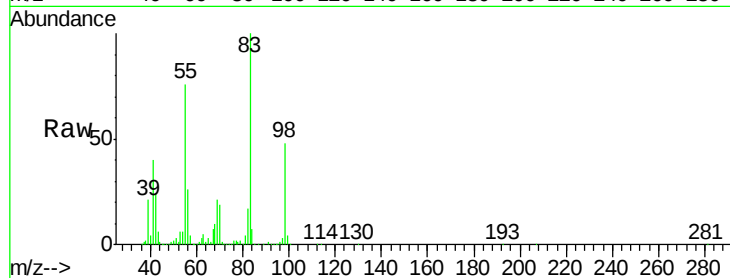
#39
Methvlcvclohexane
Concen: 20.157 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	60.1	90.1
98	47.6	38.8	58.2

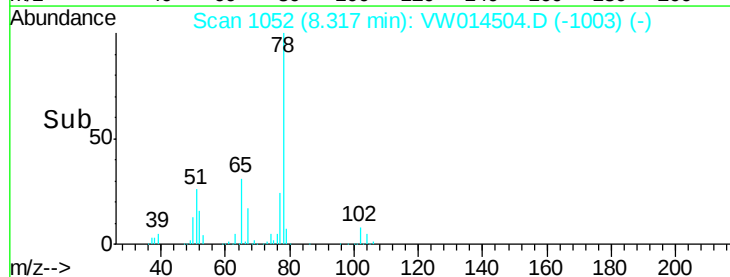
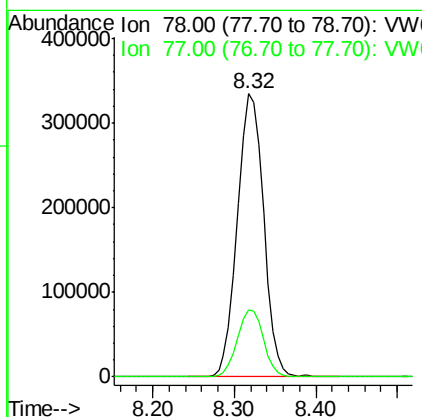
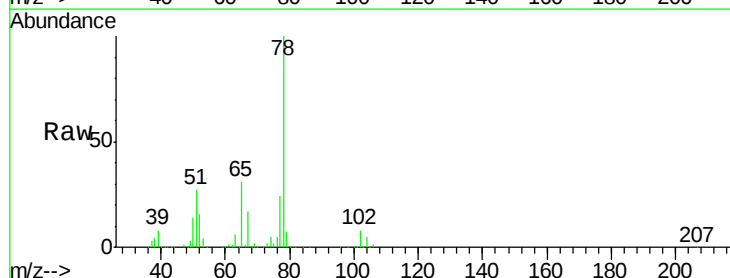
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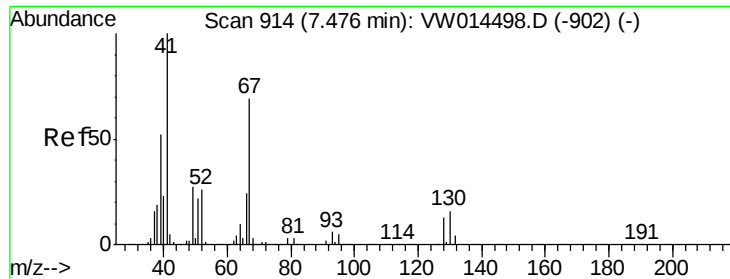
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#40
Benzene
Concen: 20.927 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





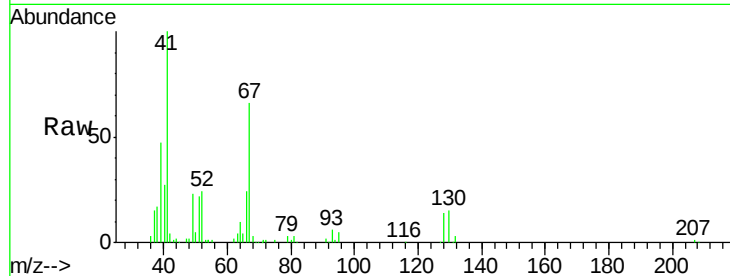
#41
Methacrylonitrile
Concen: 18.665 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

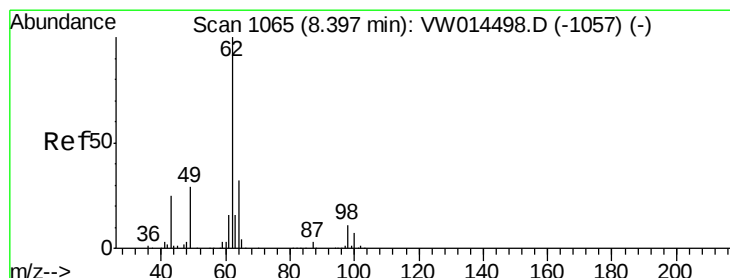
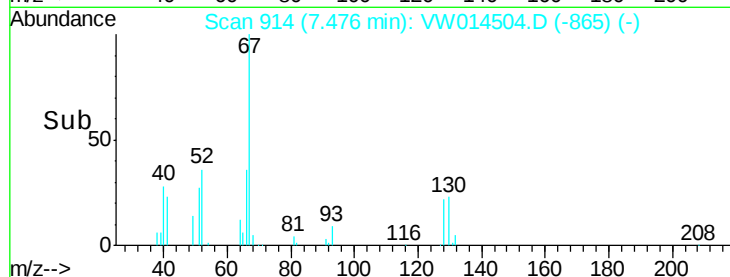
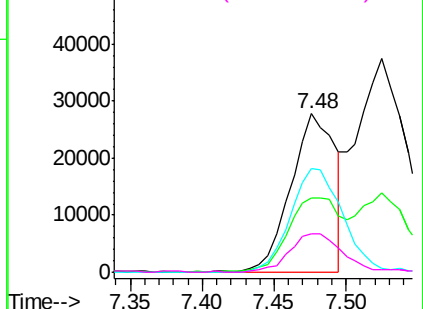
Tot Ion	41	Resp	59679
Ion	Ratio	Lower	Upper
41	100		
39	57.2	46.0	69.0
67	77.2	60.8	91.2
52	29.9	23.7	35.5

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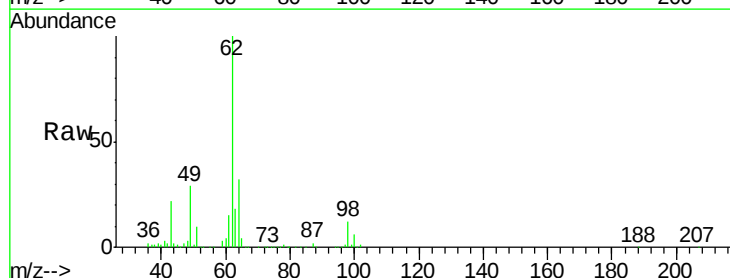


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

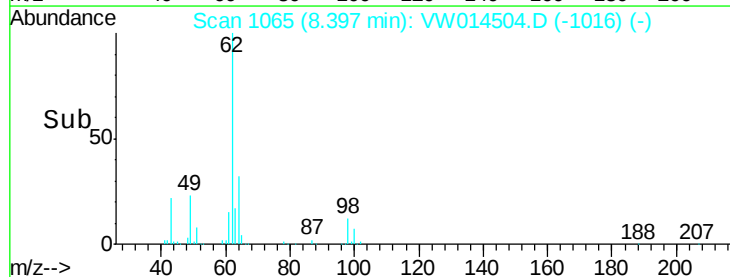
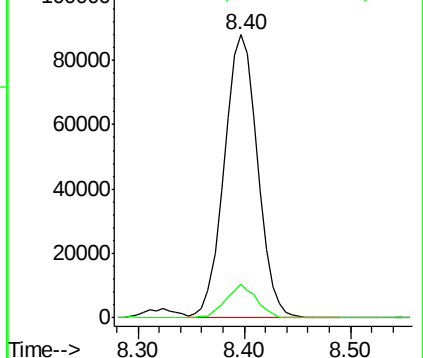


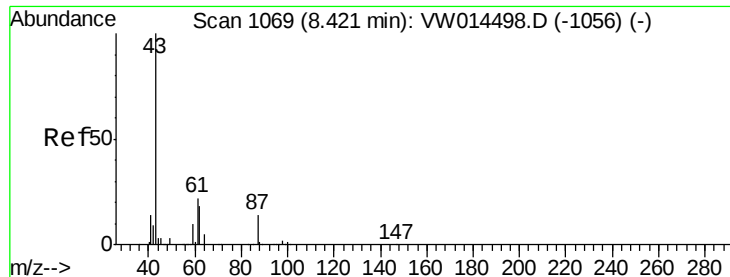
#42
1,2-Dichloroethane
Concen: 20.724 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	62	Resp	192437
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.747 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

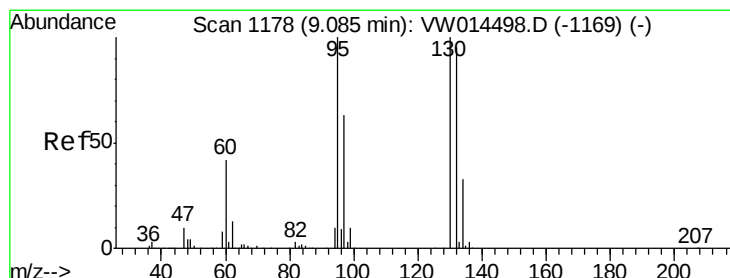
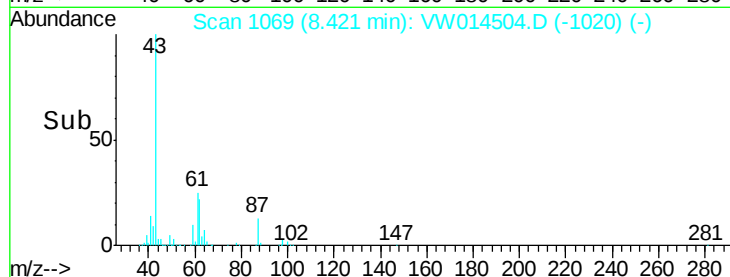
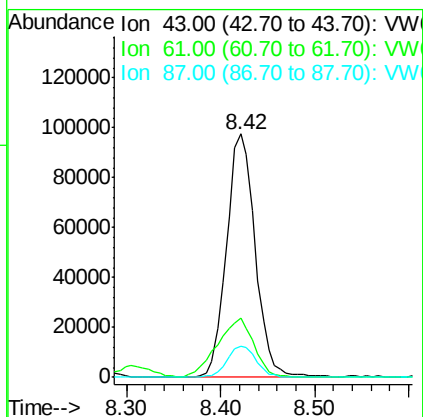
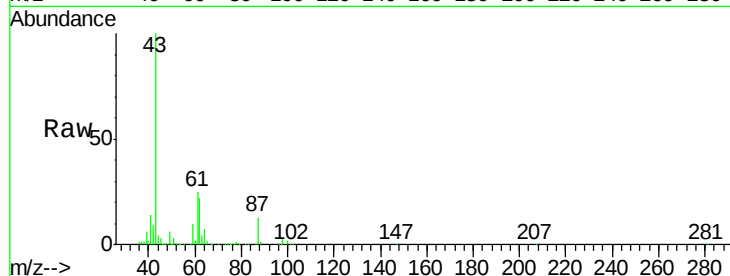
ClientSampleId :

VW0103SBS01

Tot Ion:	43	Resp:	205677
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.7	37.1
87	13.2	11.1	16.7

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#44

Trichloroethene

Concen: 20.504 ug/l

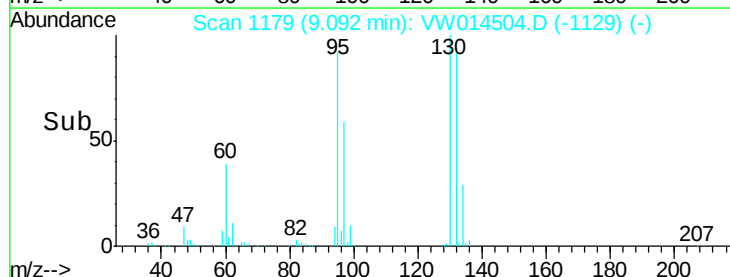
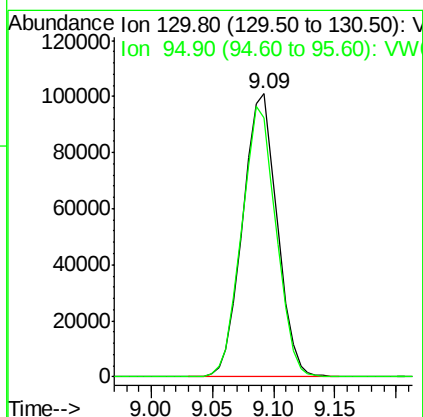
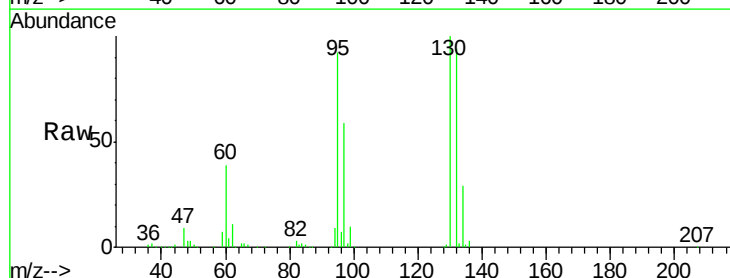
RT: 9.09 min Scan# 1179

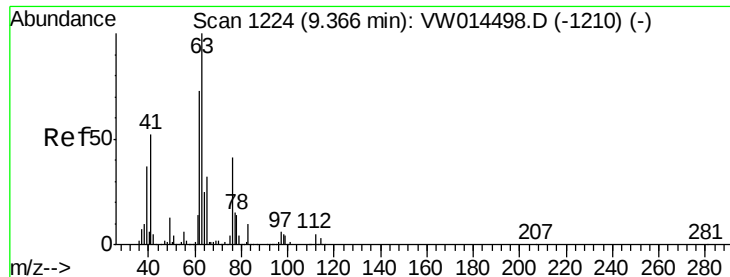
Delta R.T. 0.01 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion:	130	Resp:	198529
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	199.4





#45

1,2-Dichloropropane

Concen: 20.919 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 63 Resp: 183682

Ion Ratio Lower Upper

63 100

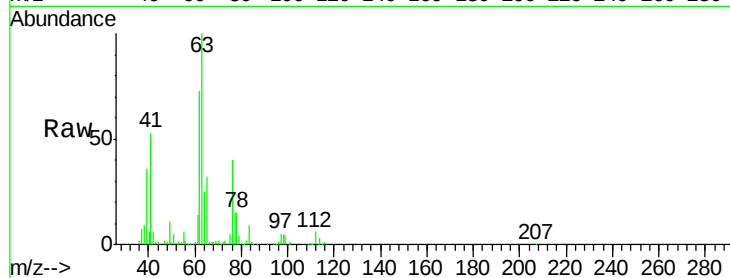
65 32.2 25.6 38.4

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

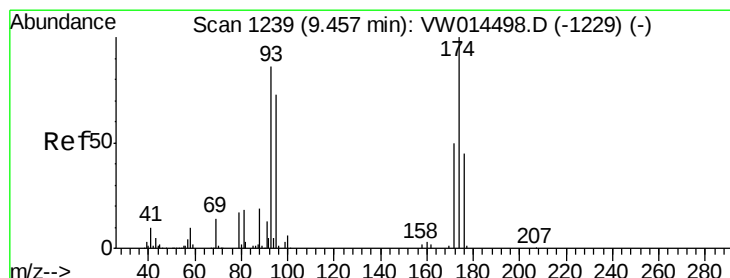
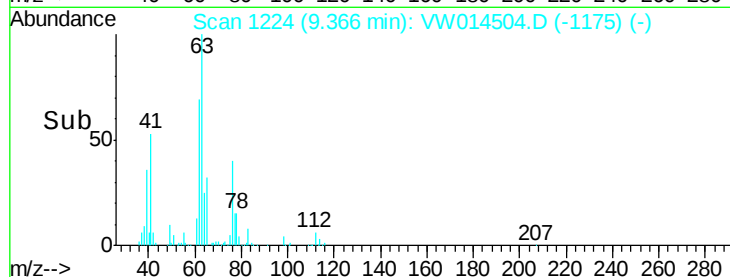
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 20.719 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

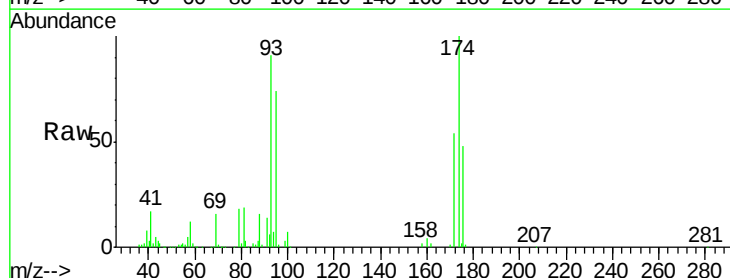
Tgt Ion: 93 Resp: 89810

Ion Ratio Lower Upper

93 100

95 80.7 66.4 99.6

174 109.1 89.1 133.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

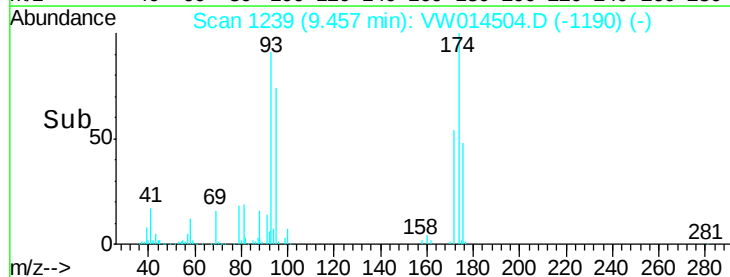
60000

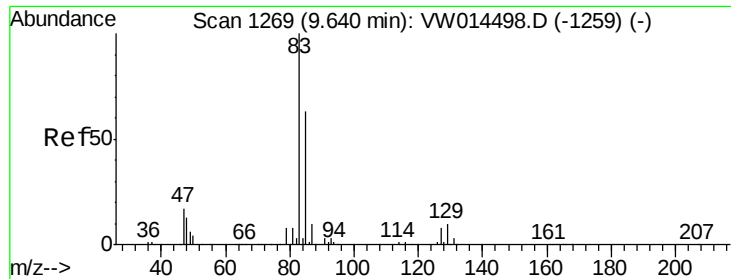
40000

20000

0

Time-->





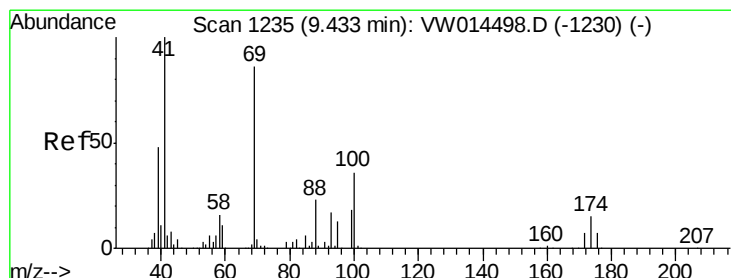
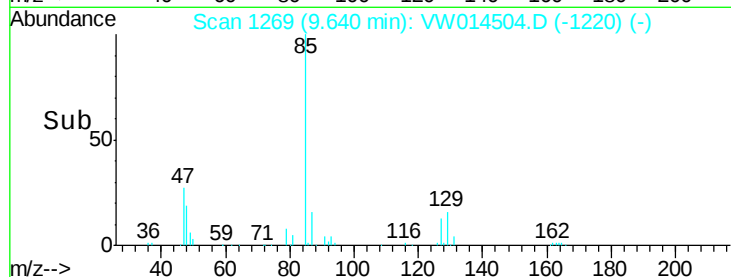
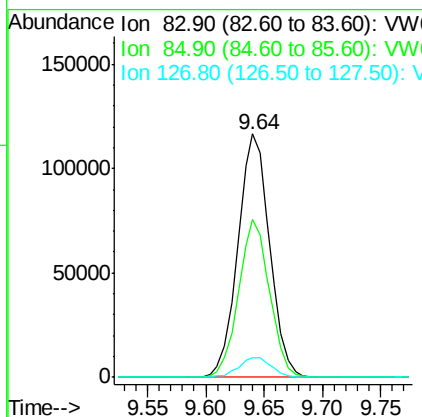
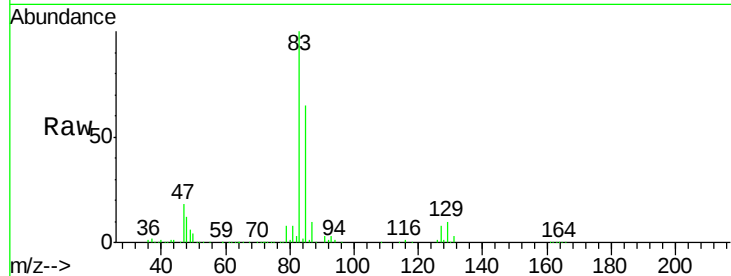
#47
Bromodichloromethane
Concen: 20.616 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220633		
85	64.7		50.6	76.0
127	8.1		6.6	9.8

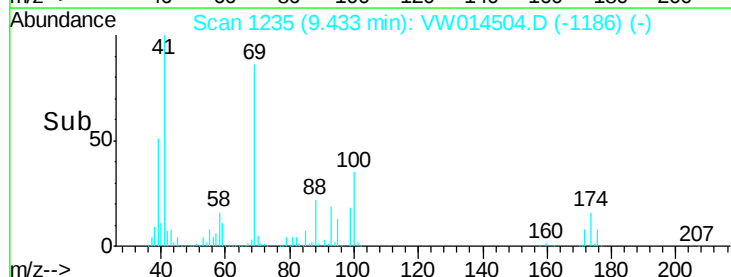
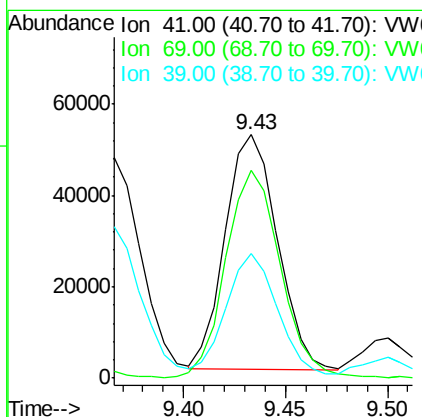
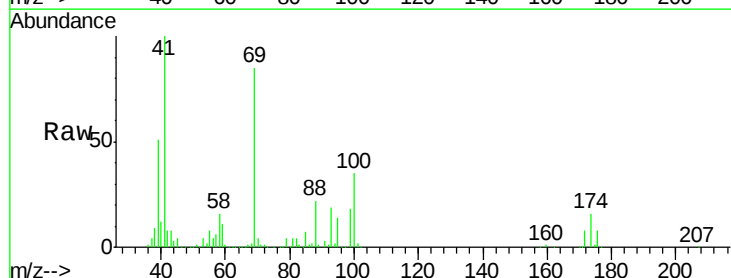
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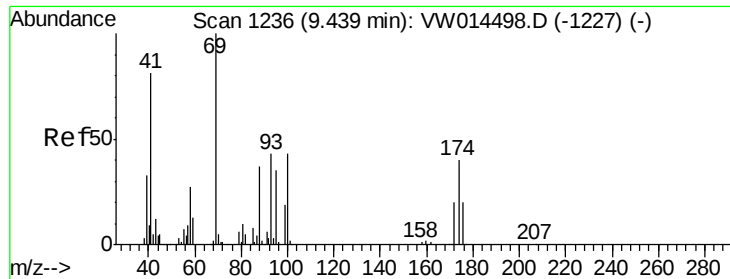
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#48
Methyl methacrylate
Concen: 17.953 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	91293		
69	92.2		68.3	102.5
39	49.1		36.8	55.2





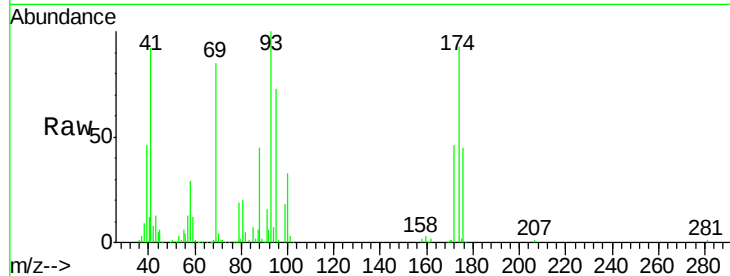
#49
1,4-Dioxane
Concen: 393.416 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.9	37.3
58	71.9	56.9	85.3

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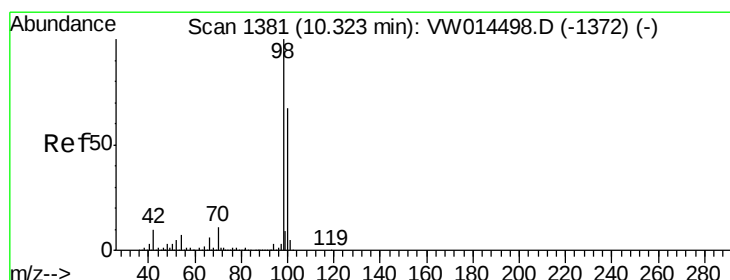
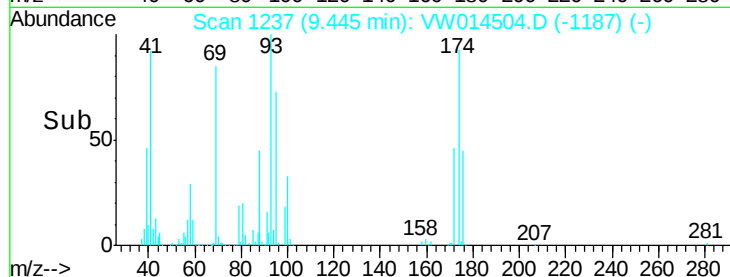
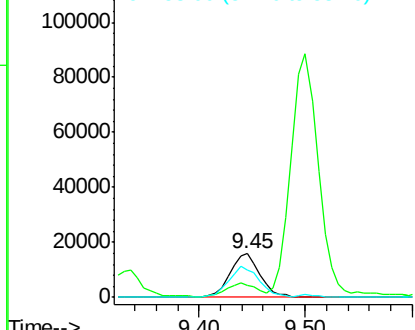


Abundance

Ion 88.00 (87.70 to 88.70): VW

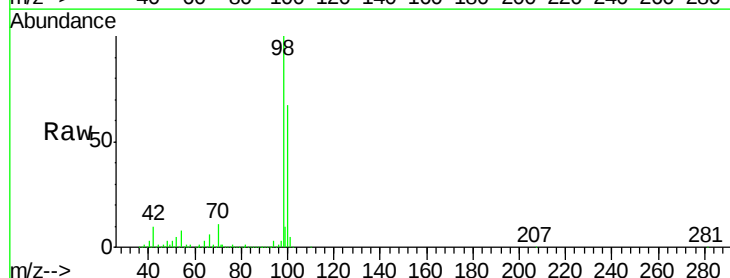
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 52.963 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

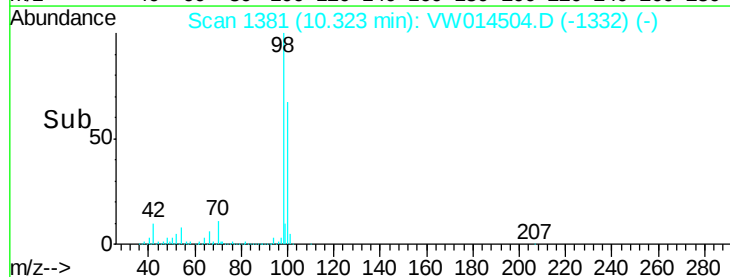
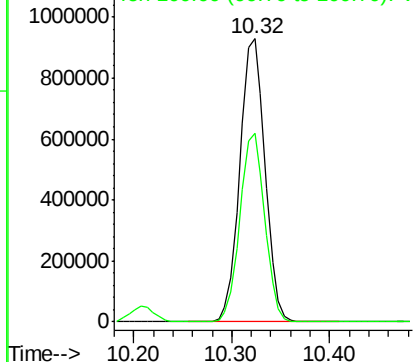
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.8	80.6

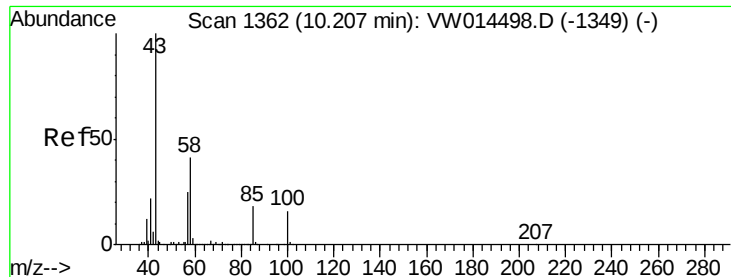


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 98.612 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 43 Resp: 533369

Ion Ratio Lower Upper

43 100

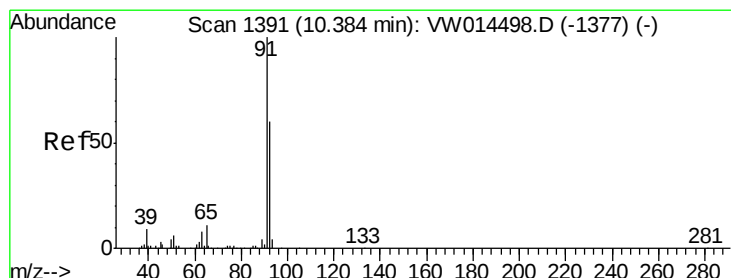
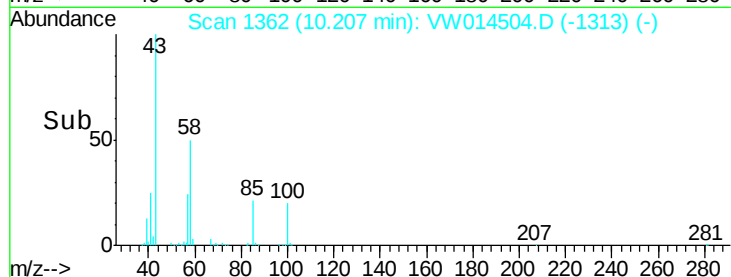
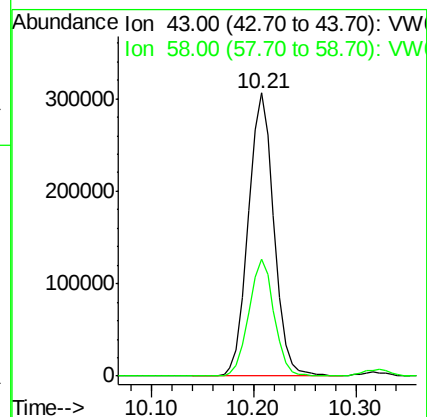
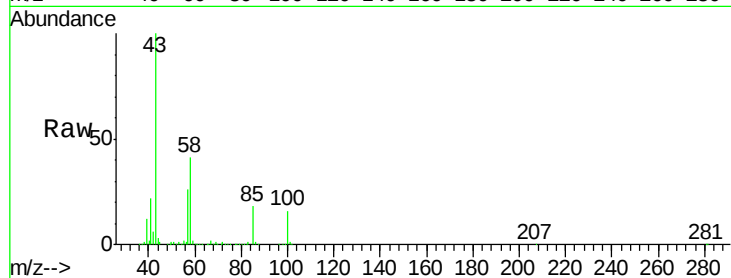
58 40.9 32.7 49.1

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#52

Toluene

Concen: 20.863 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014504.D

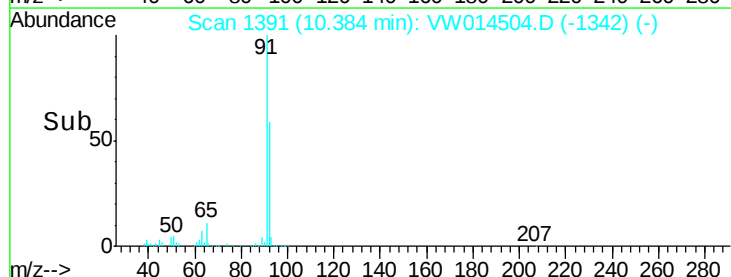
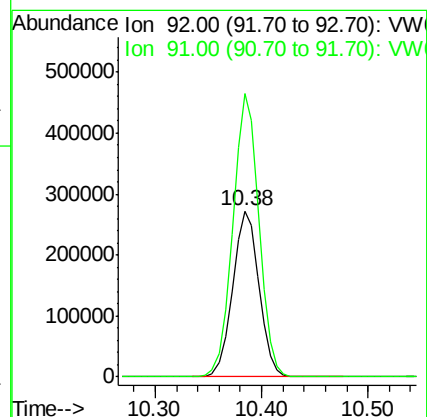
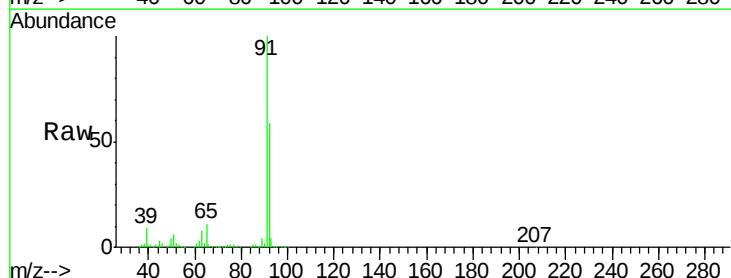
Acq: 03 Jan 2020 17:46

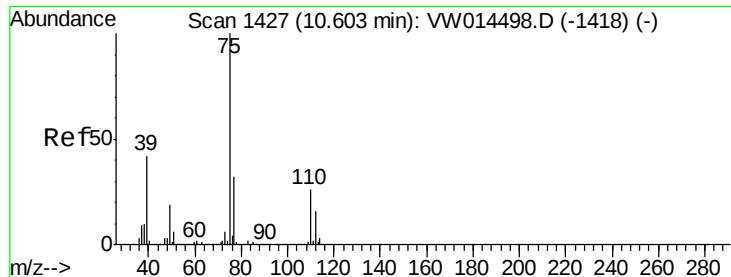
Tgt Ion: 92 Resp: 469652

Ion Ratio Lower Upper

92 100

91 169.2 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 20.611 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBSD01

Tot Ion: 75 Resp: 228377

Ion Ratio Lower Upper

75 100

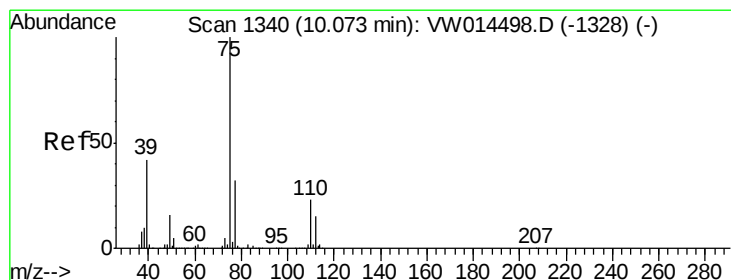
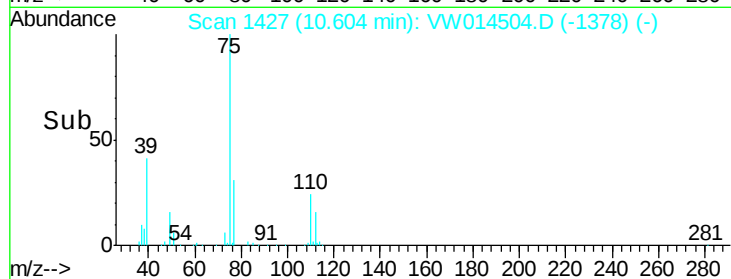
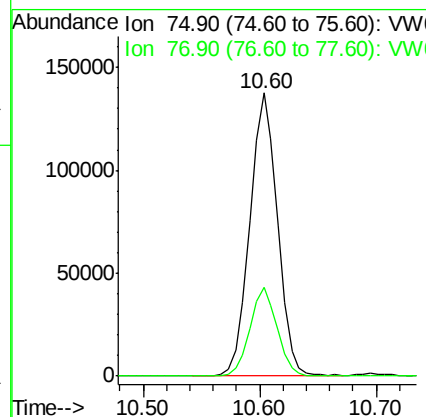
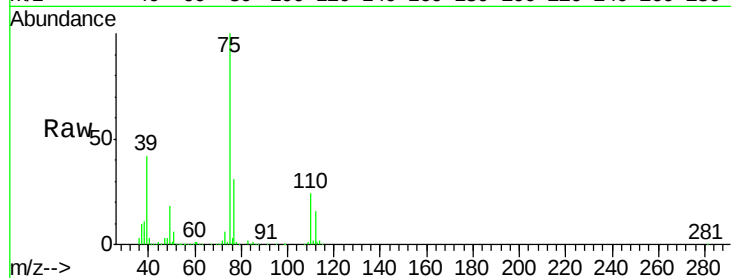
77 31.2 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 20.326 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

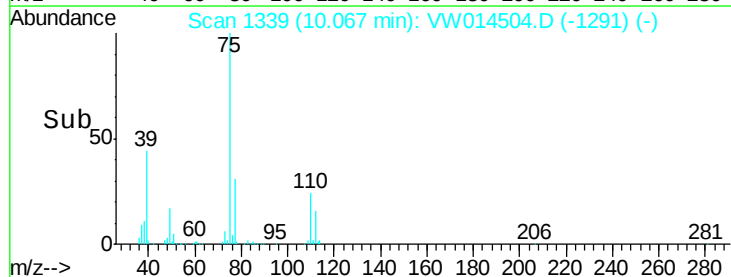
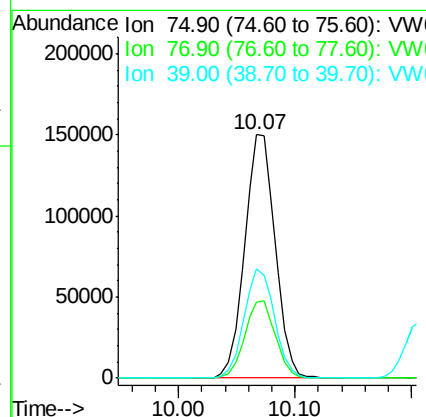
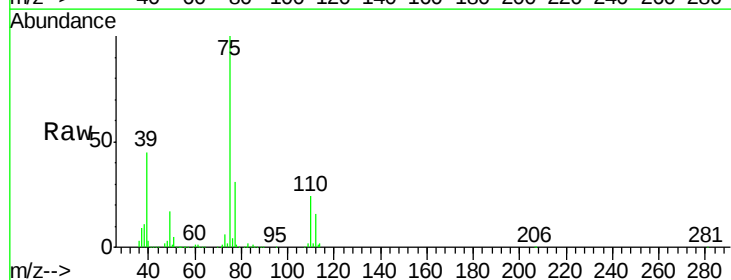
Tgt Ion: 75 Resp: 275270

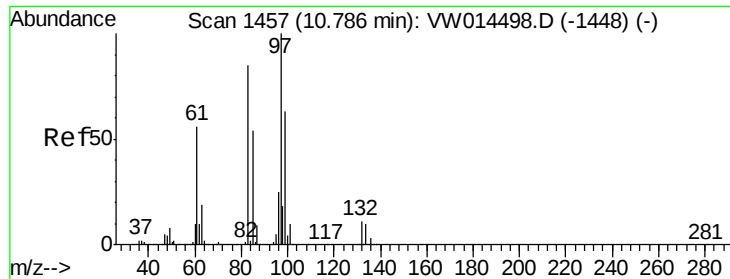
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 44.5 33.4 50.2





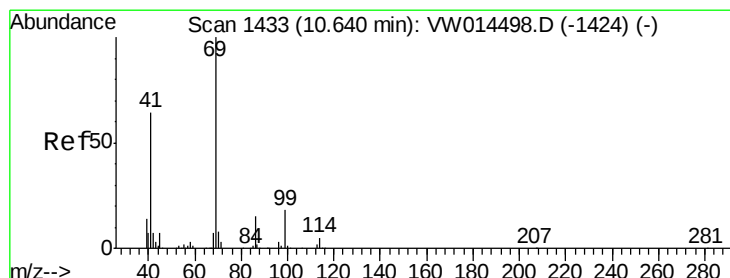
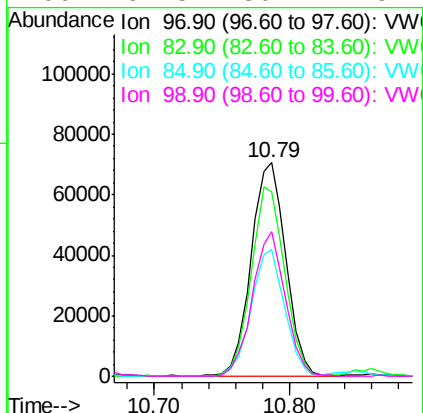
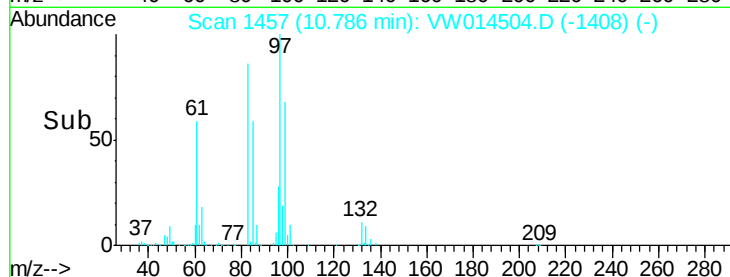
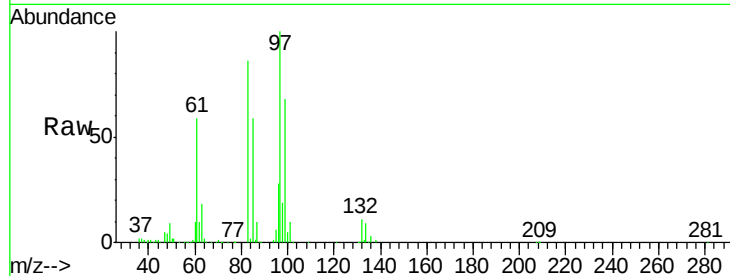
#55
 1,1,2-Trichloroethane
 Concen: 20.003 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0103SBS01

Tot Ion	97	Resp	126634
Ion Ratio	Lower	Upper	
97	100		
83	86.1	68.2	102.4
85	59.3	43.0	64.4
99	67.5	50.1	75.1

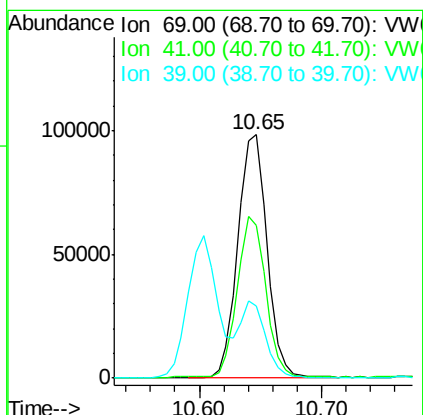
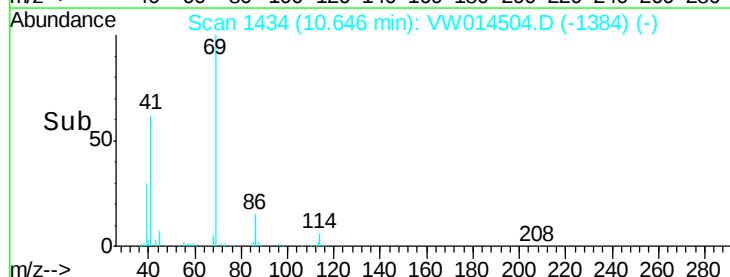
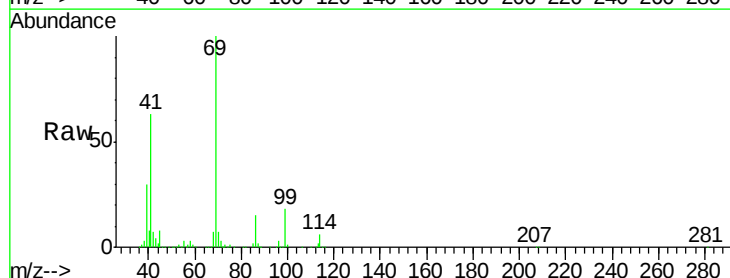
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#56
 Ethyl methacrylate
 Concen: 19.898 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	69	Resp	163709
Ion Ratio	Lower	Upper	
69	100		
41	64.1	51.3	76.9
39	26.5	21.0	31.6





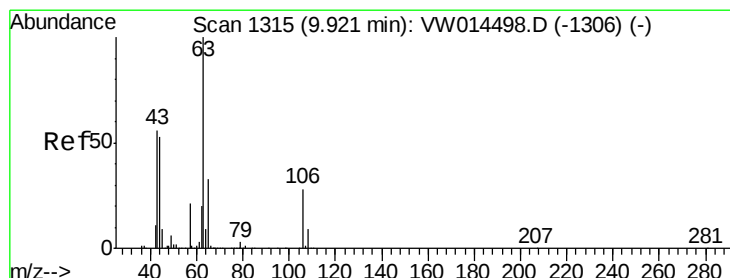
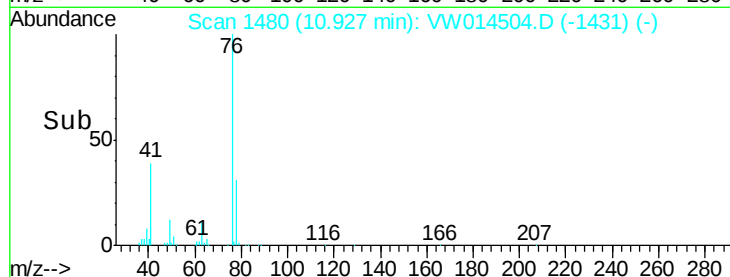
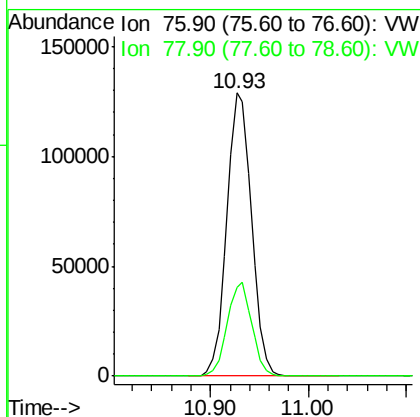
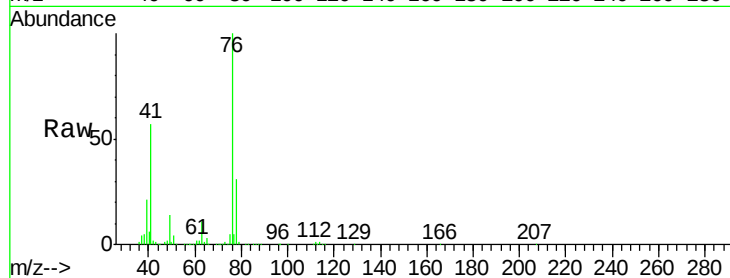
#57
 1,3-Dichloropropane
 Concen: 20.309 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

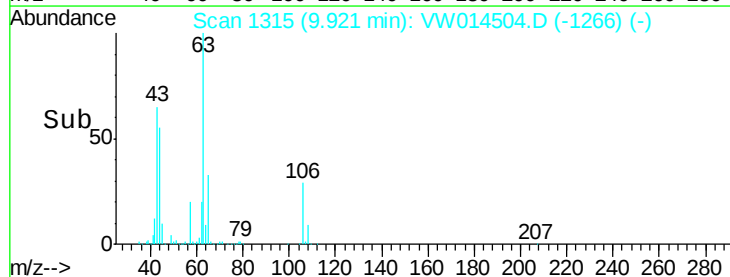
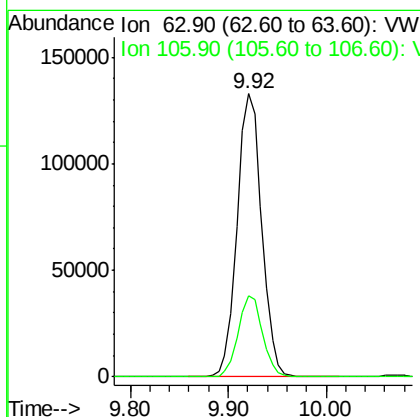
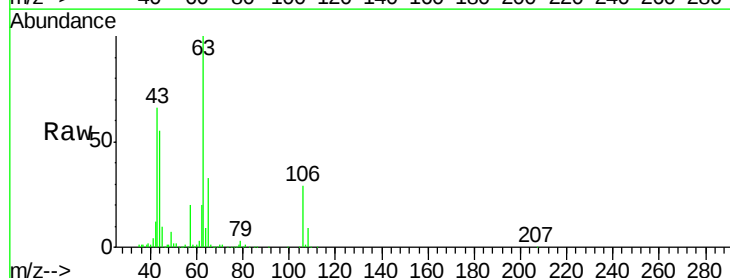
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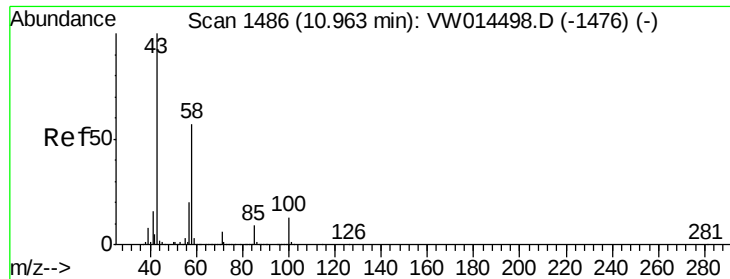
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.751 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6





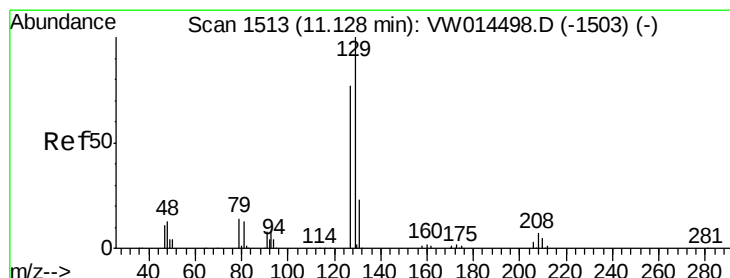
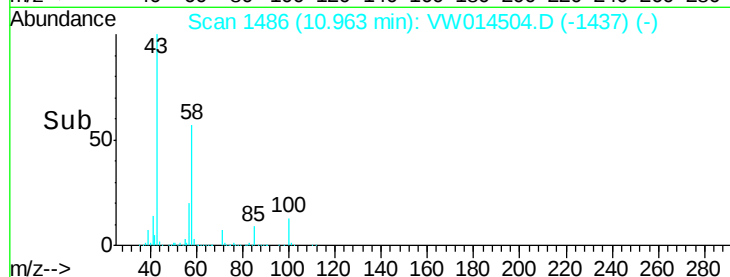
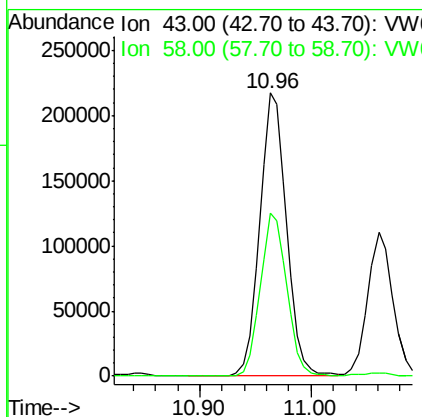
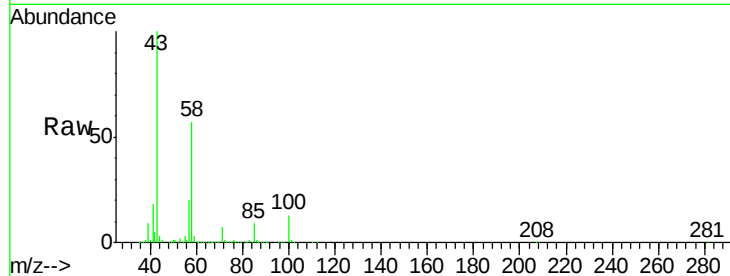
#59
2-Hexanone
Concen: 97.743 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBSD01

Tot Ion: 43 Resp: 364301
Ion Ratio Lower Upper
43 100
58 57.2 28.7 86.3

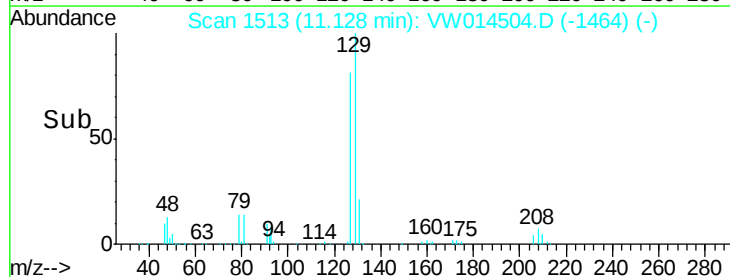
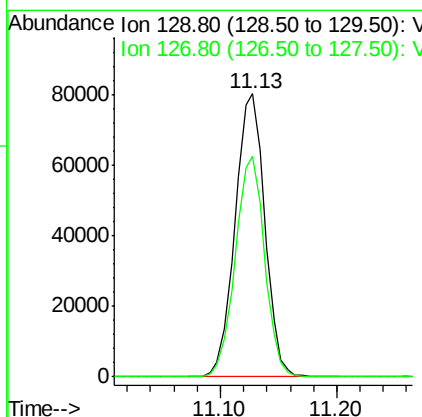
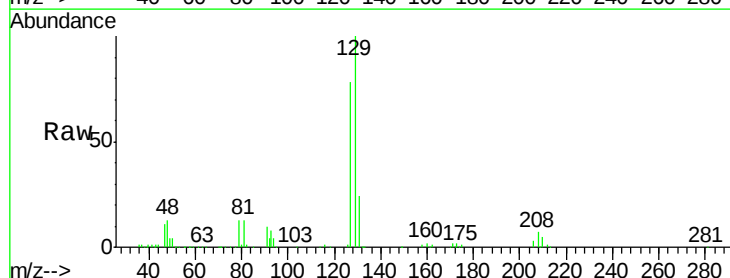
Manual Integrations
APPROVED

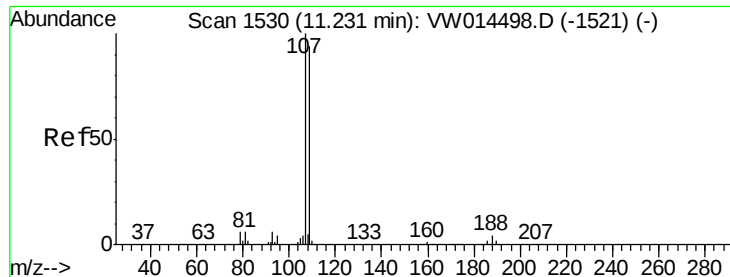
apatel
1/6/2020 10:43:36 AM



#60
Dibromochloromethane
Concen: 19.980 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion: 129 Resp: 142718
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.5





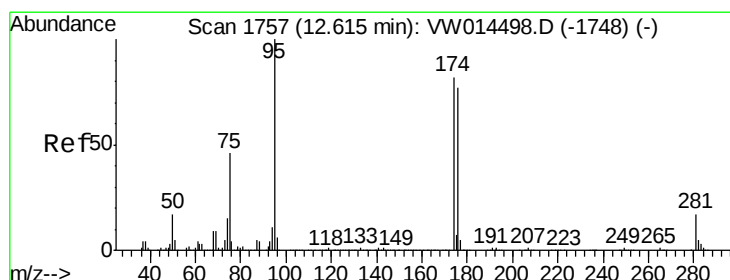
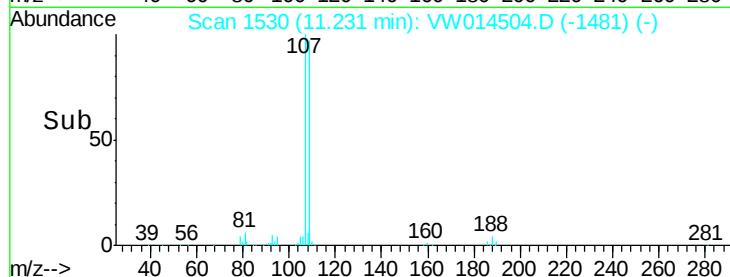
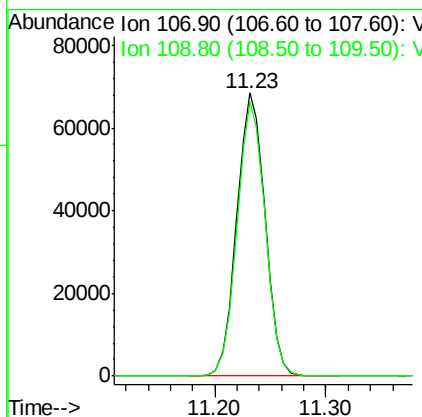
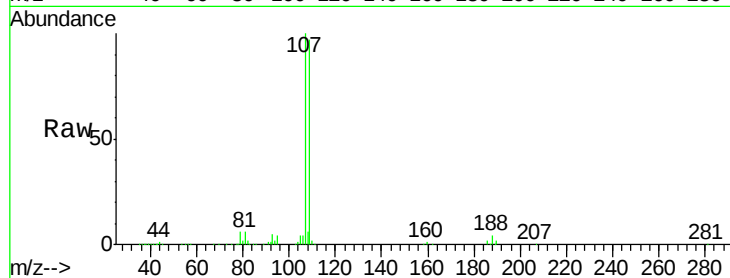
#61
 1,2-Dibromoethane
 Concen: 19.960 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.1	112.7

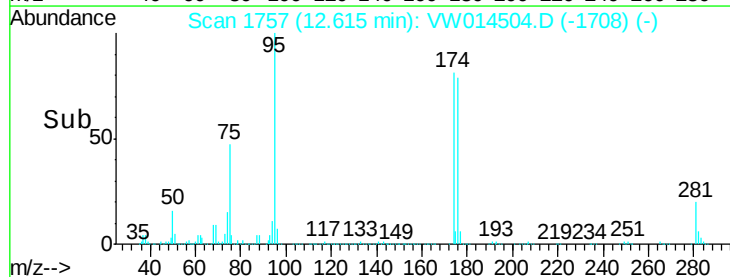
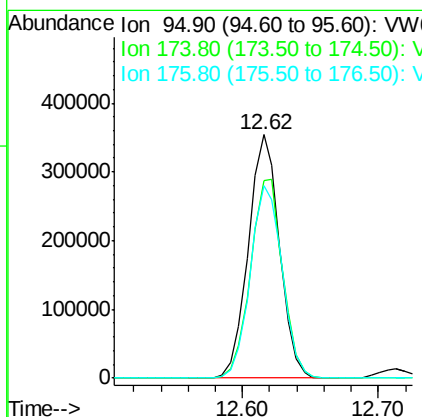
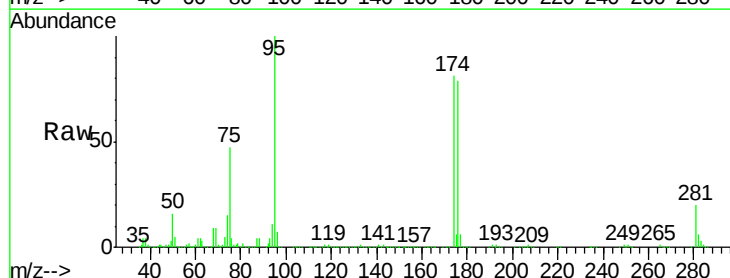
Manual Integrations
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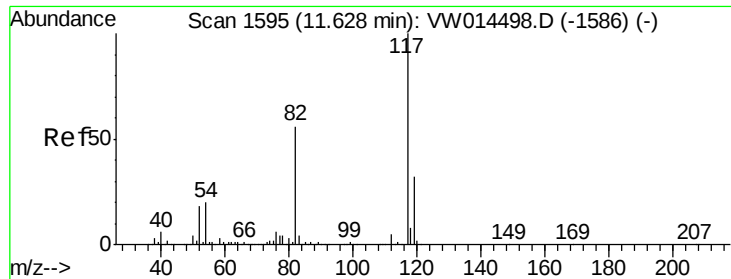
apatel
 1/6/2020 10:43:36 AM



#62
 4-Bromofluorobenzene
 Concen: 53.447 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	168.6
176	81.2	0.0	162.0





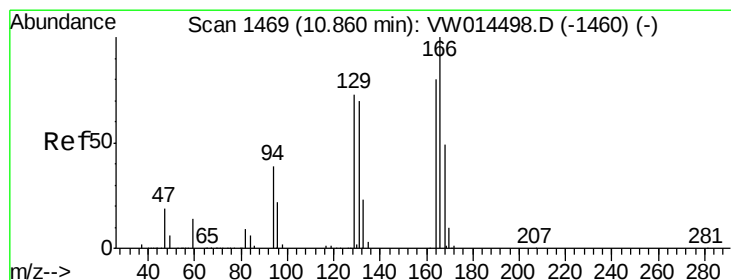
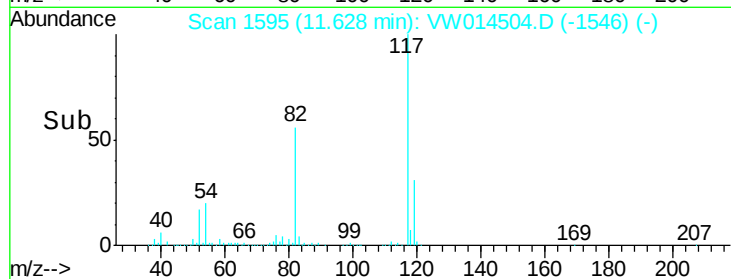
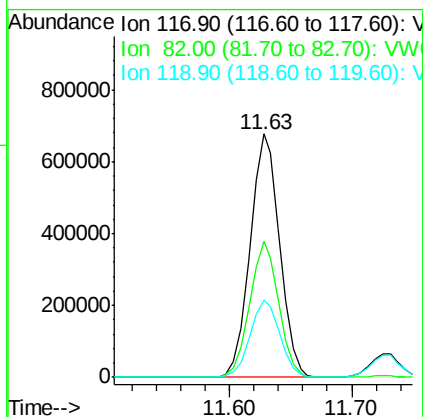
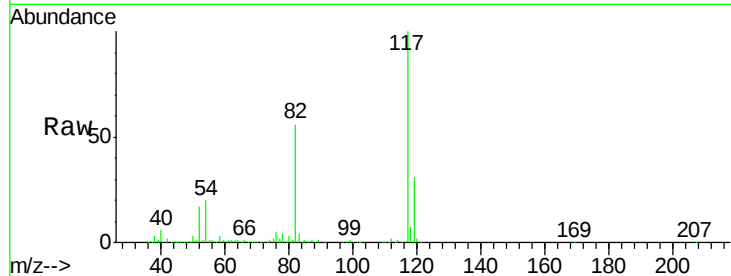
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.5	25.7	38.5

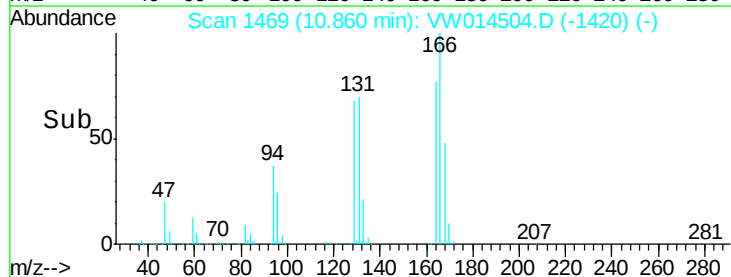
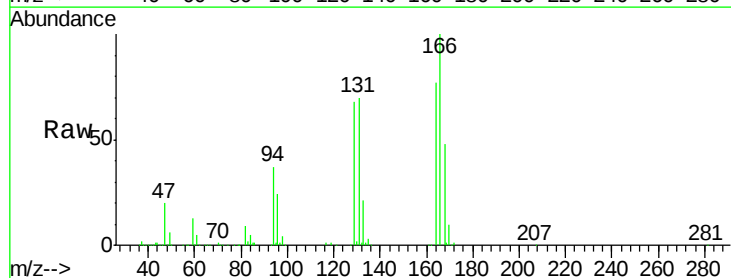
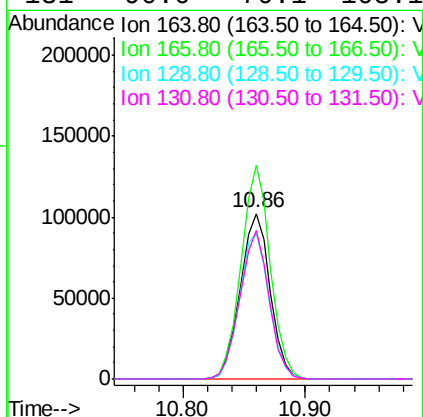
Manual Integrations
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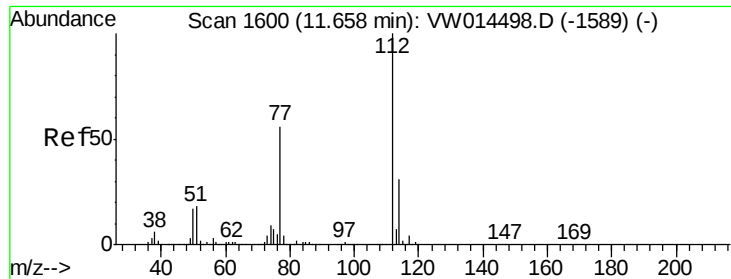
apatel
1/6/2020 10:43:36 AM



#64
Tetrachloroethene
Concen: 20.969 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	99.8	149.6
129	88.2	72.4	108.6
131	90.0	70.1	105.1





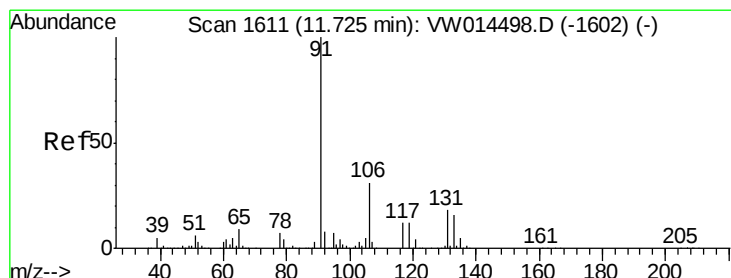
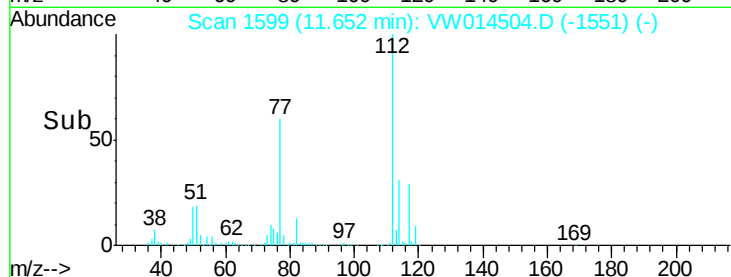
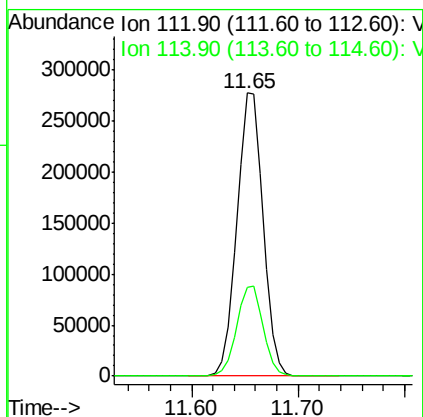
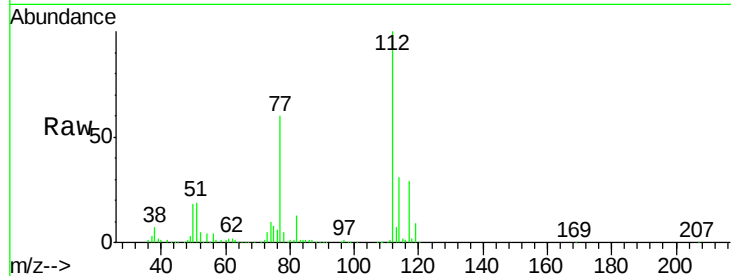
#65
Chlorobenzene
Concen: 20.621 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion:112 Resp: 480320
Ion Ratio Lower Upper
112 100
114 31.3 24.6 37.0

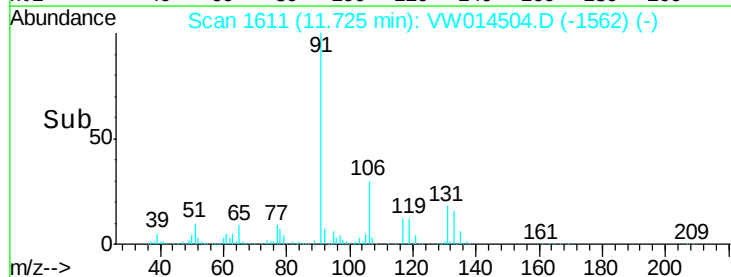
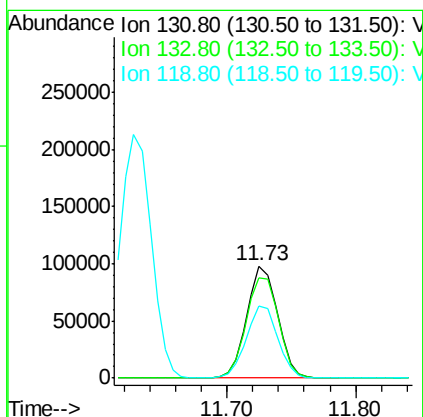
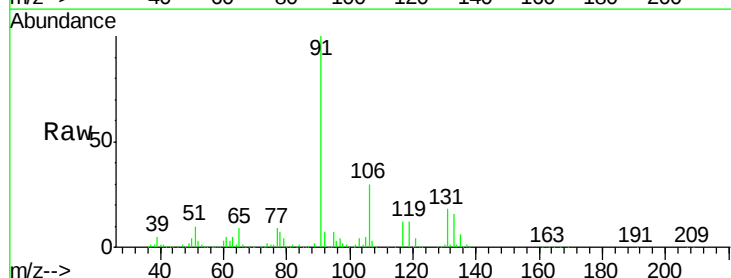
Manual Integrations
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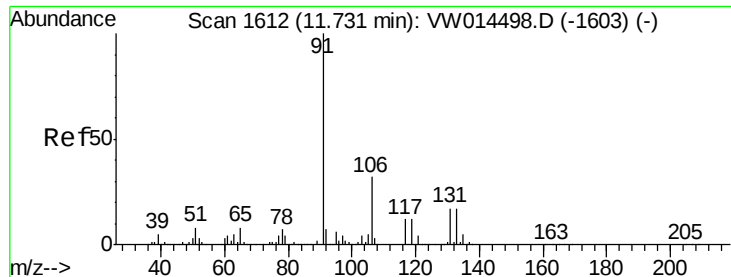
apatel
1/6/2020 10:43:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.645 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion:131 Resp: 161909
Ion Ratio Lower Upper
131 100
133 94.8 47.3 142.0
119 66.0 33.1 99.3





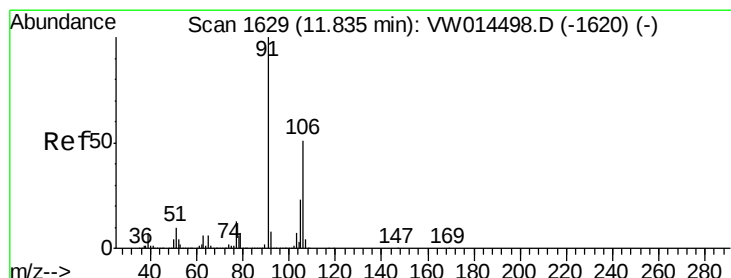
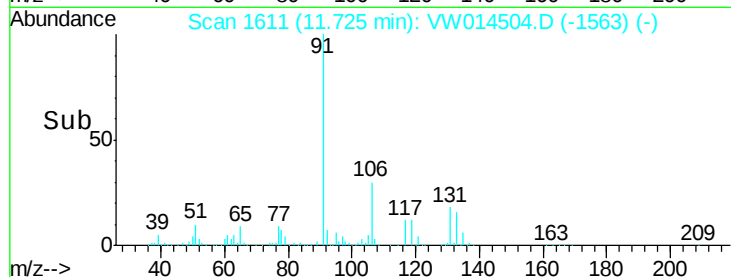
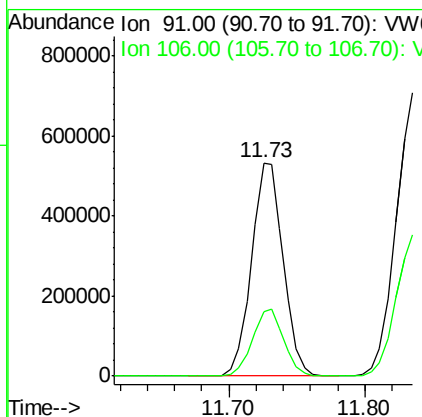
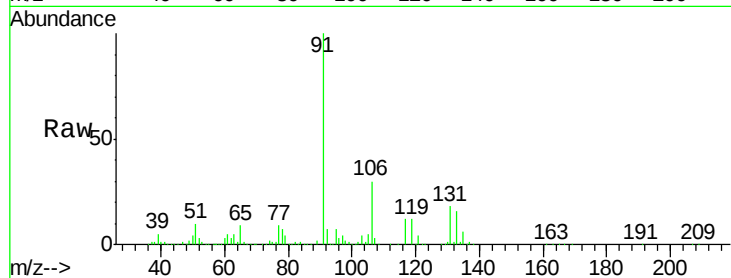
#67
Ethyl Benzene
Concen: 20.715 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion: 91 Resp: 869528
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3

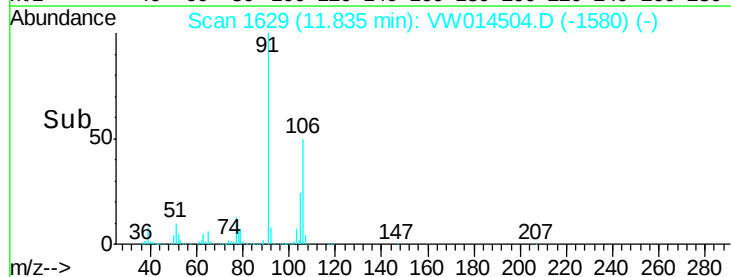
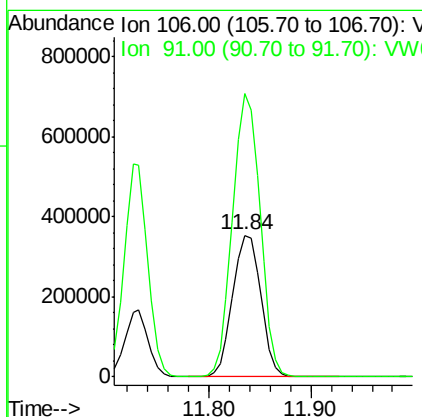
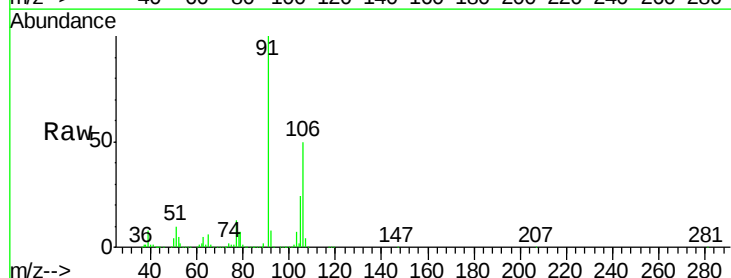
Manual Integrations
APPROVED

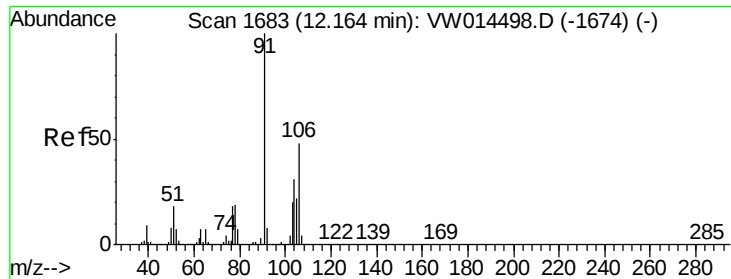
apatel
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#68
m/p-Xylenes
Concen: 42.097 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion: 106 Resp: 676313
Ion Ratio Lower Upper
106 100
91 195.8 159.0 238.6





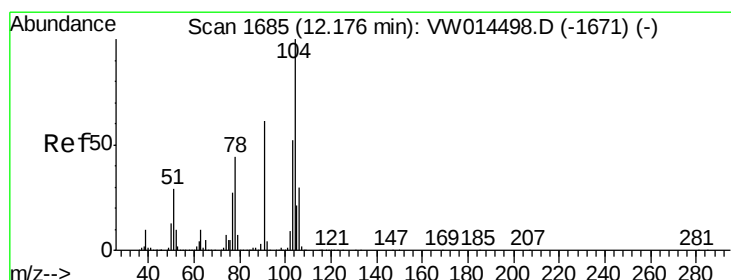
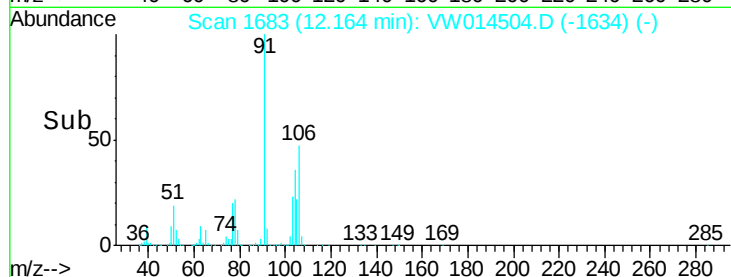
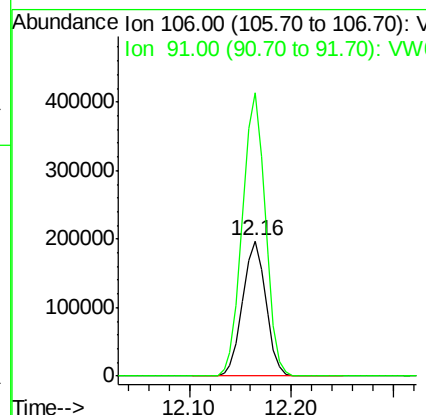
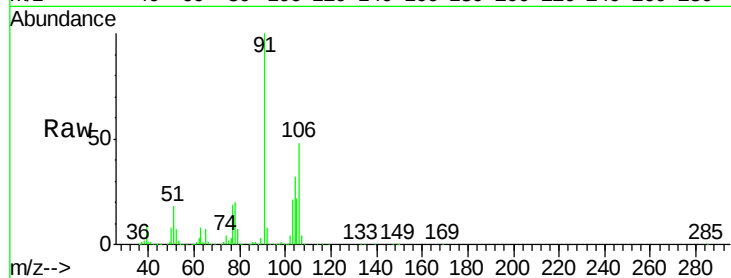
#69
o-Xylene
Concen: 20.825 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.3	105.2	315.6	

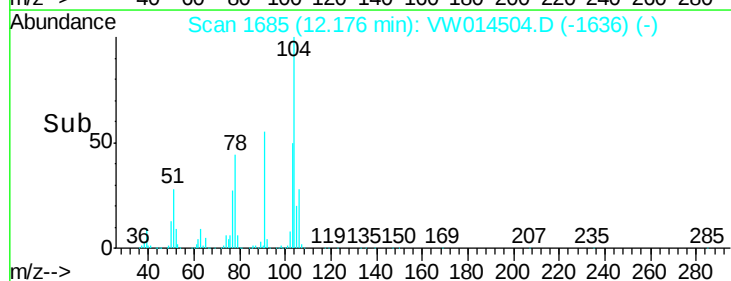
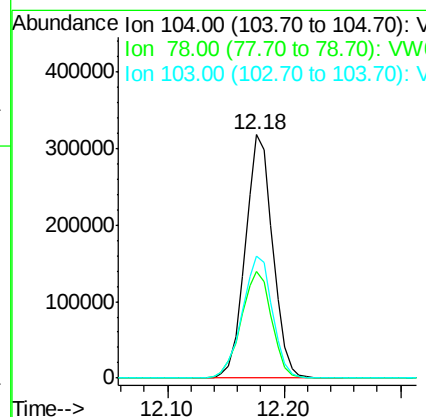
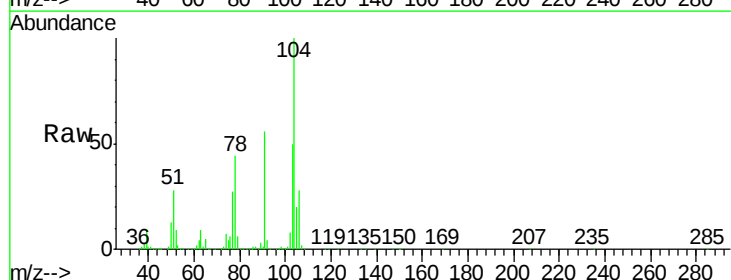
Manual Integrations
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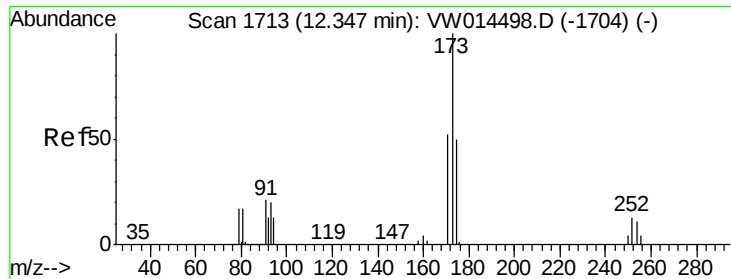
apatel
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#70
Styrene
Concen: 20.832 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	38.4	57.6	
103	55.1	43.7	65.5	





#71

Bromoform

Concen: 19.353 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBSD01

Tot Ion:173 Resp: 82787

Ion Ratio Lower Upper

173 100

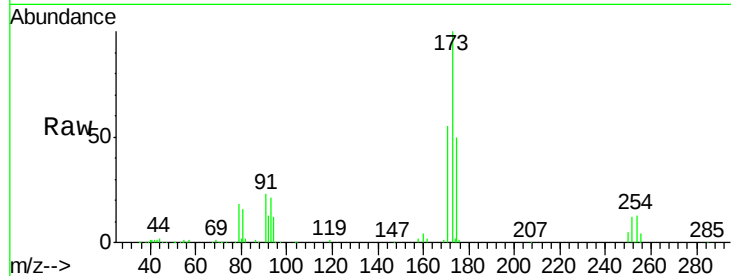
175 50.1 24.5 73.5

254 0.1 0.0 0.0#

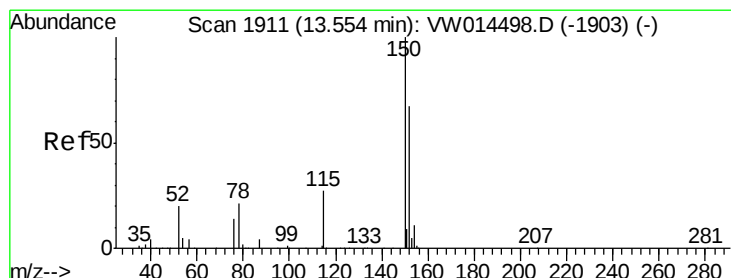
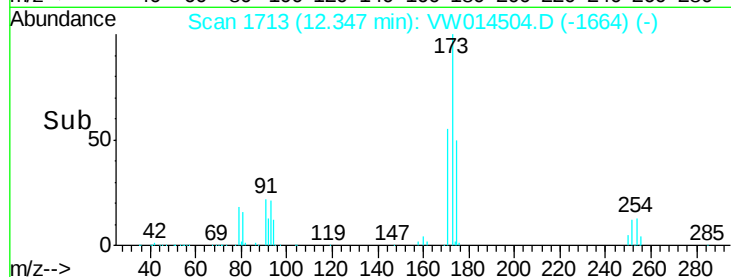
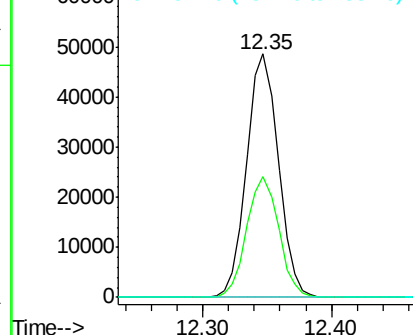
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

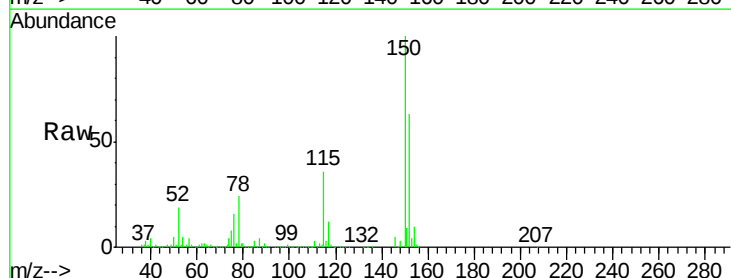
Tgt Ion:152 Resp: 556240

Ion Ratio Lower Upper

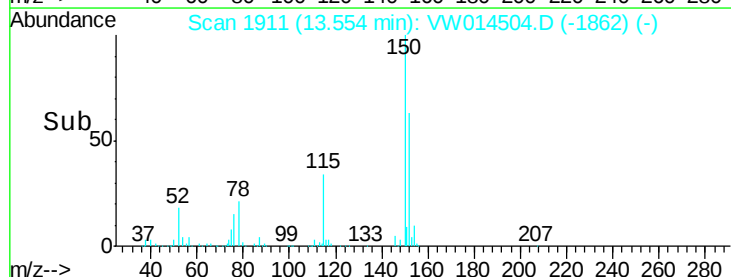
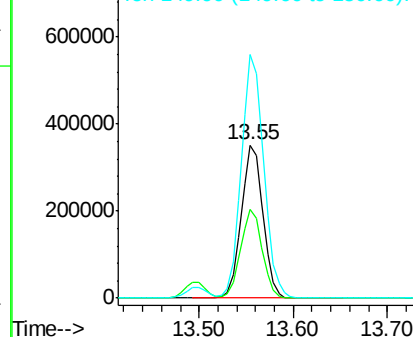
152 100

115 57.6 27.7 83.1

150 165.7 0.0 343.4



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





#73

Isopropylbenzene

Concen: 20.837 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 105 Resp: 850454

Ion Ratio Lower Upper

105 100

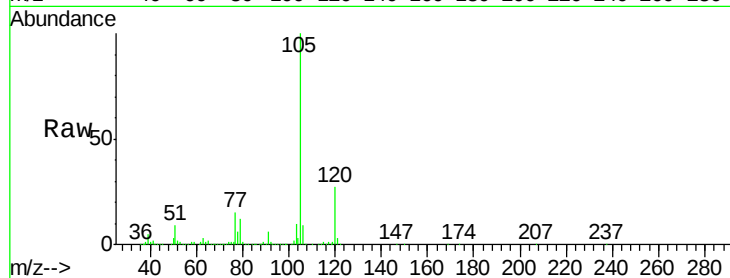
120 26.4 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

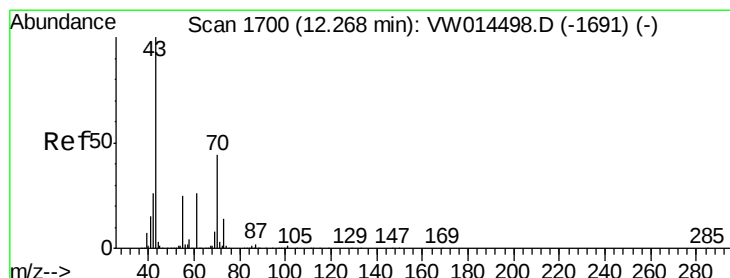
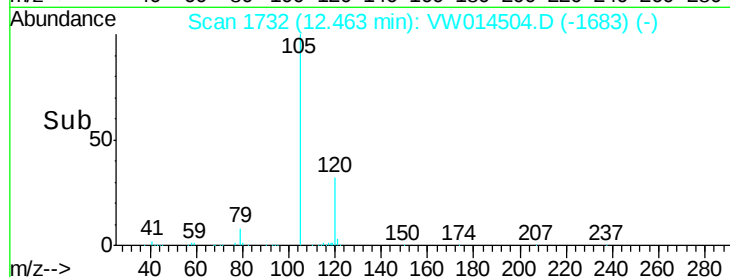
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.380 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion: 43 Resp: 186502

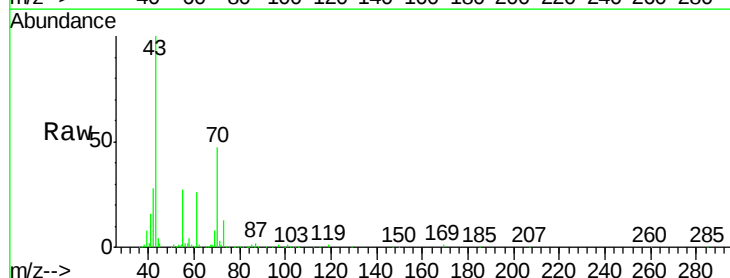
Ion Ratio Lower Upper

43 100

70 45.4 36.5 54.7

55 26.5 20.9 31.3

61 24.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

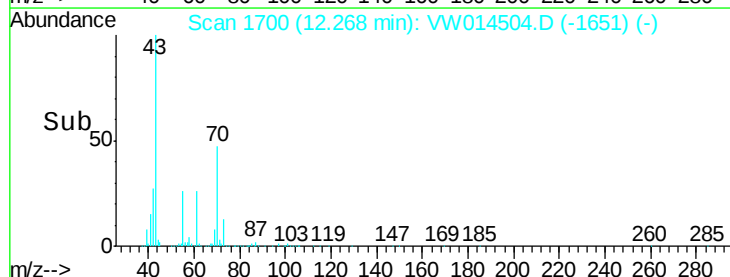
150000

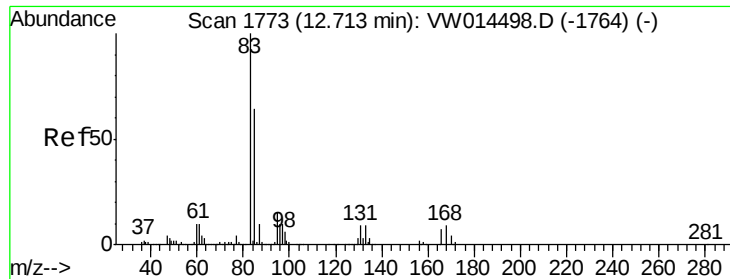
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.789 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 83 Resp: 145778

Ion Ratio Lower Upper

83 100

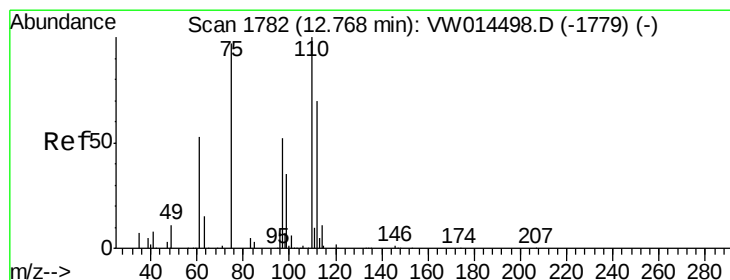
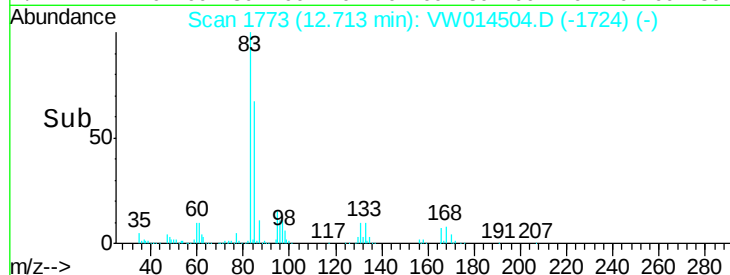
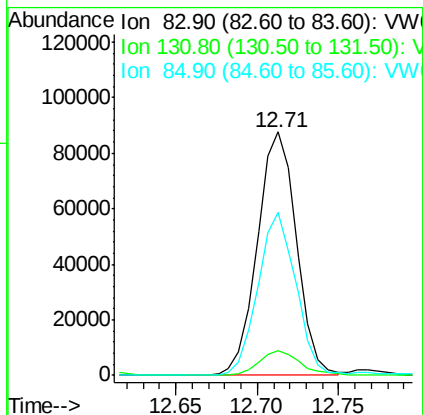
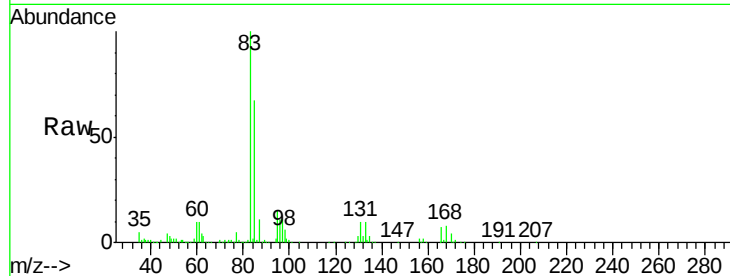
131 10.6 5.1 15.4

85 65.3 31.9 95.7

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#76

1,2,3-Trichloropropane

Concen: 20.727 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014504.D

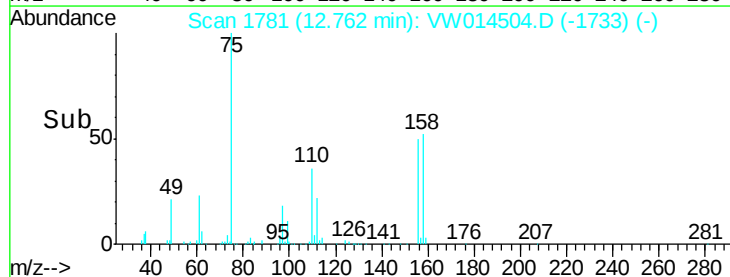
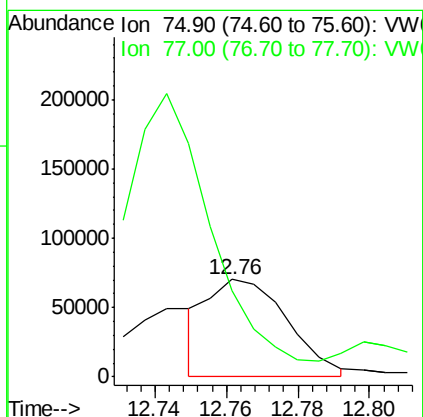
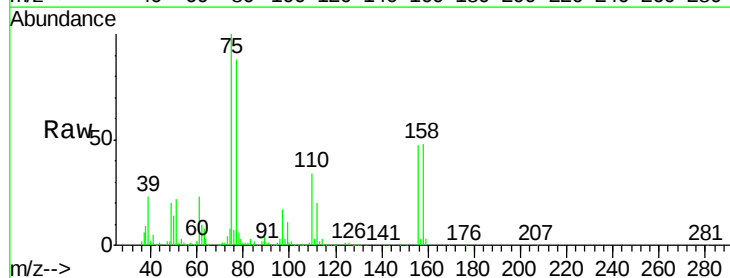
Acq: 03 Jan 2020 17:46

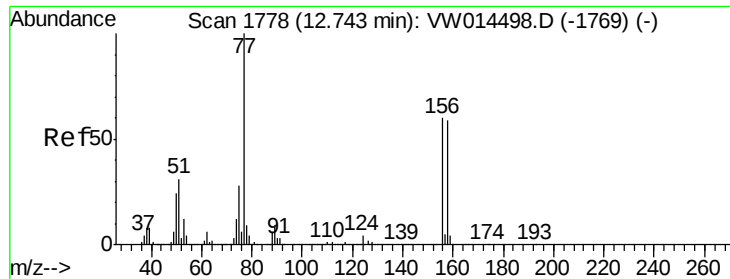
Tgt Ion: 75 Resp: 109006

Ion Ratio Lower Upper

75 100

77 332.9 0.0 0.0#





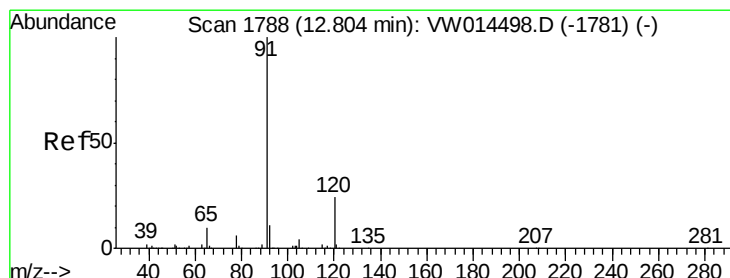
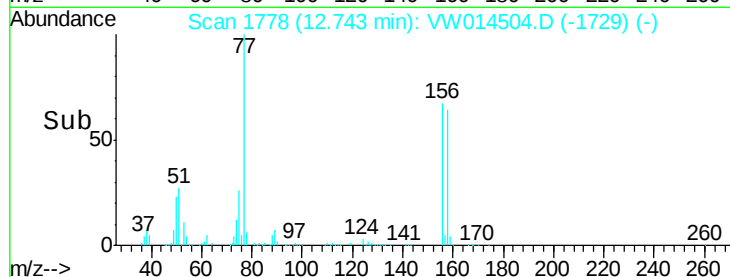
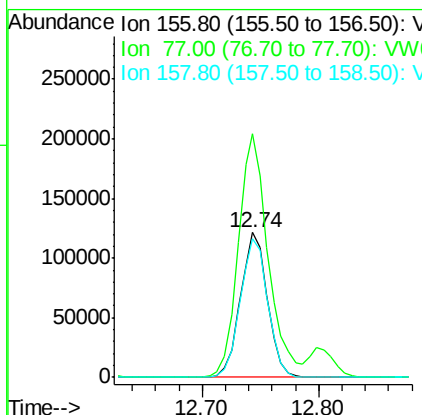
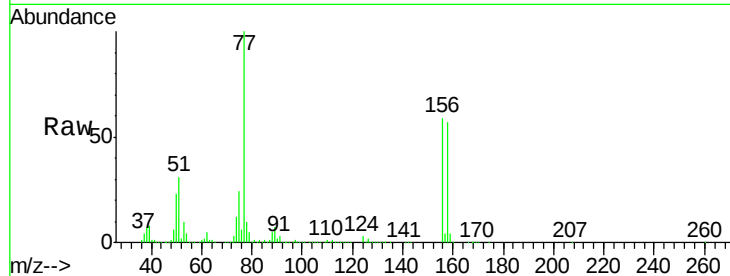
#77
Bromobenzene
Concen: 20.673 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.3	277.1
158	97.5	48.6	145.9

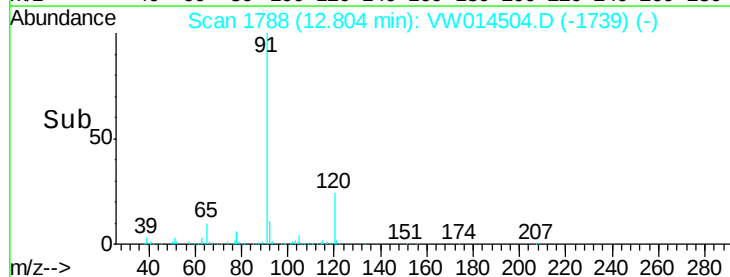
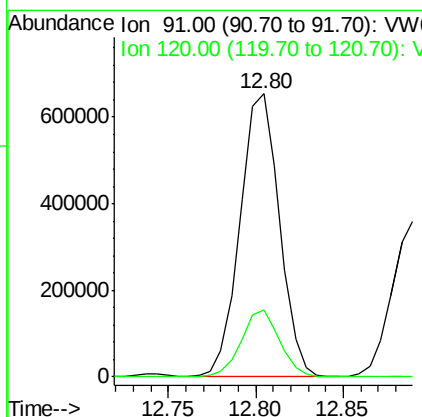
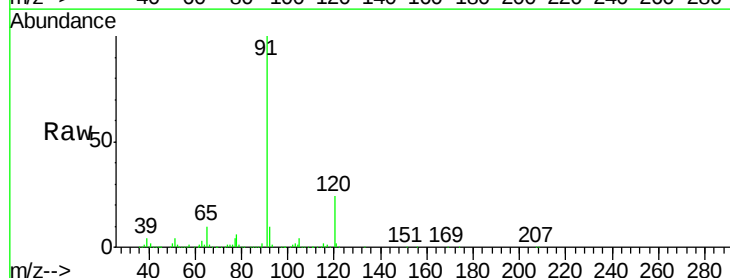
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#78
n-propylbenzene
Concen: 21.268 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.025 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 91 Resp: 574217

Ion Ratio Lower Upper

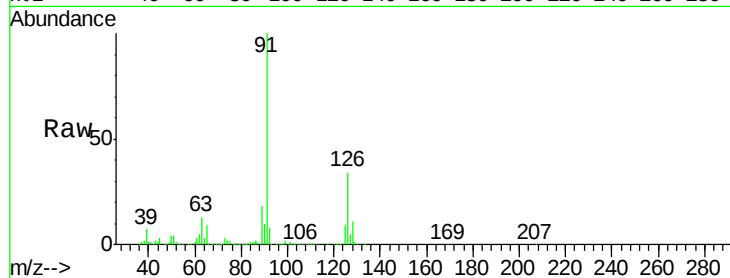
91 100

126 33.7 17.1 51.2

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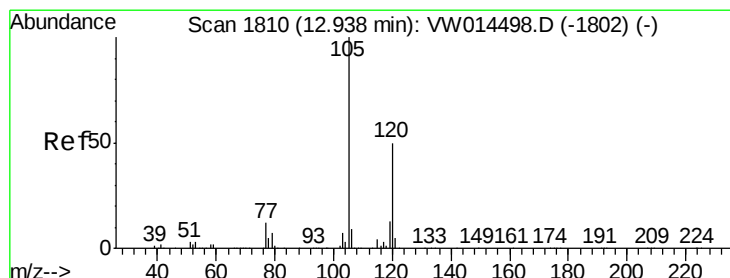
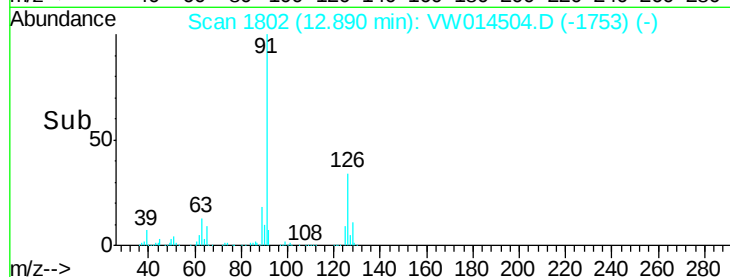
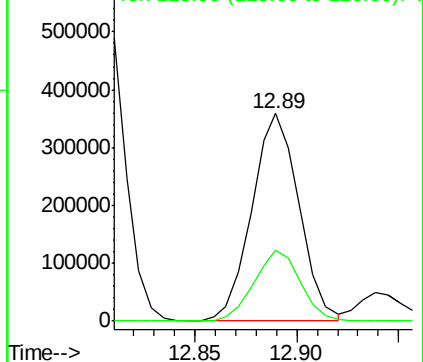
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.091 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014504.D

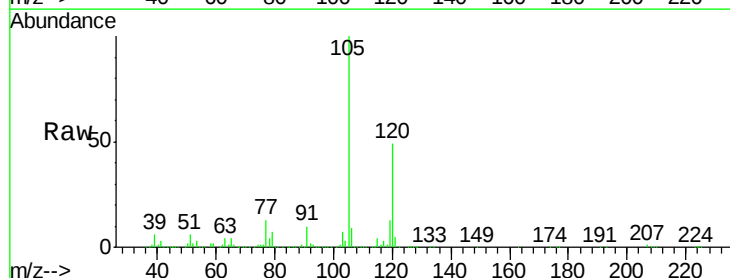
Acq: 03 Jan 2020 17:46

Tgt Ion: 105 Resp: 722766

Ion Ratio Lower Upper

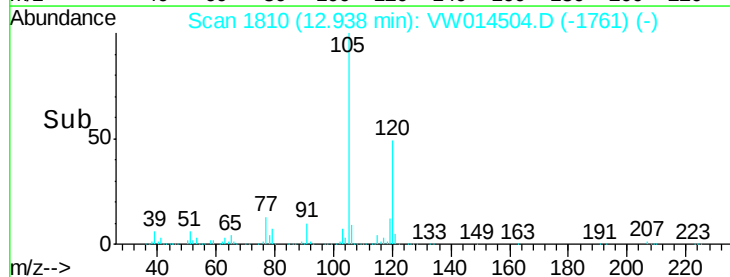
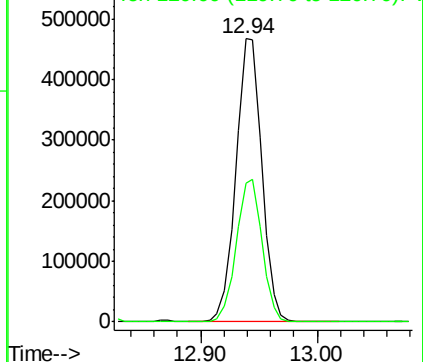
105 100

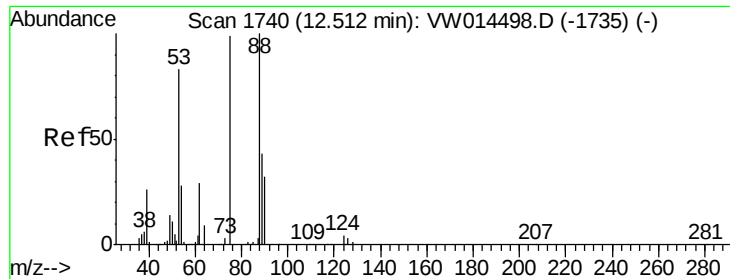
120 50.3 25.2 75.6



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: 19.128 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

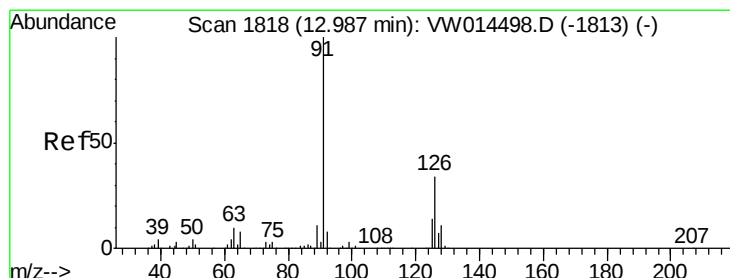
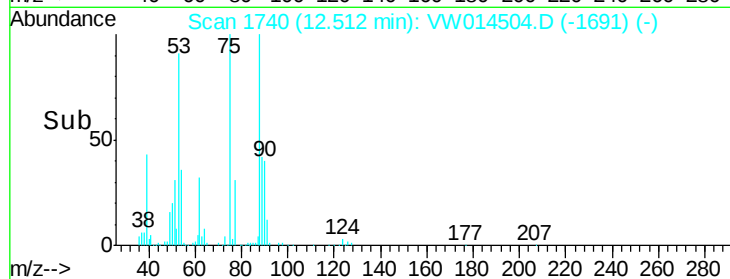
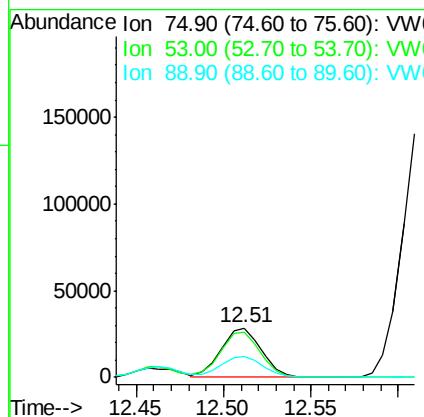
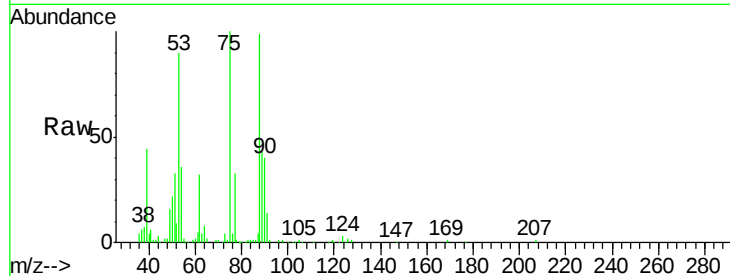
ClientSampled :

VW0103SBS01

Tot Ion:	75	Resp:	45150
Ion	Ratio	Lower	Upper
75	100		
53	91.1	70.9	106.3
89	45.5	35.8	53.8

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#82

4-Chlorotoluene

Concen: 21.060 ug/l

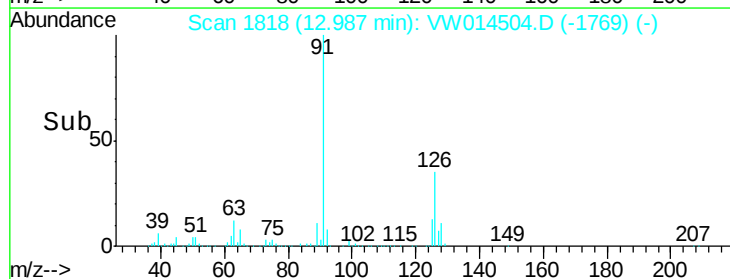
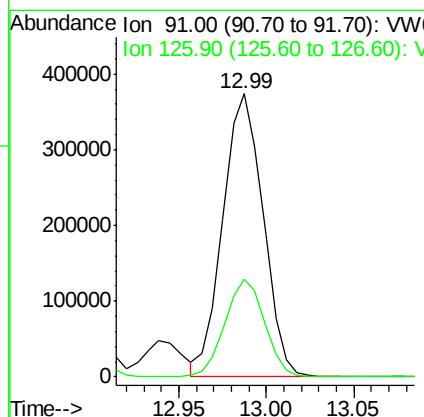
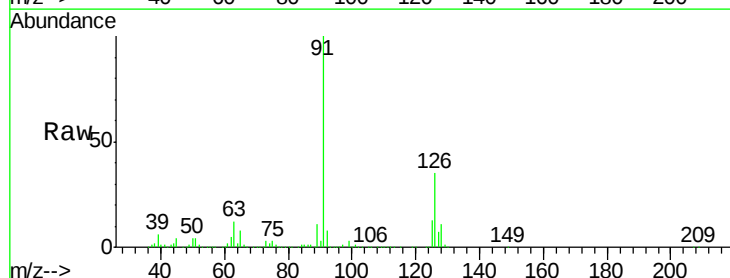
RT: 12.99 min Scan# 1818

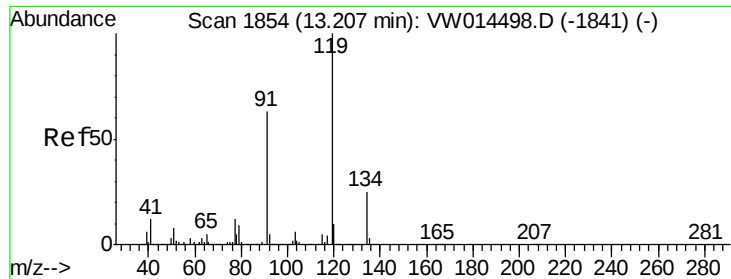
Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion:	91	Resp:	597573
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.1	51.2





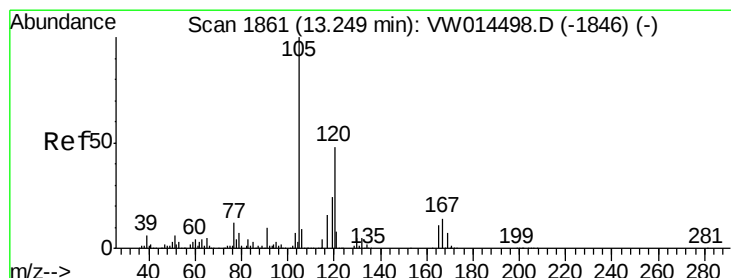
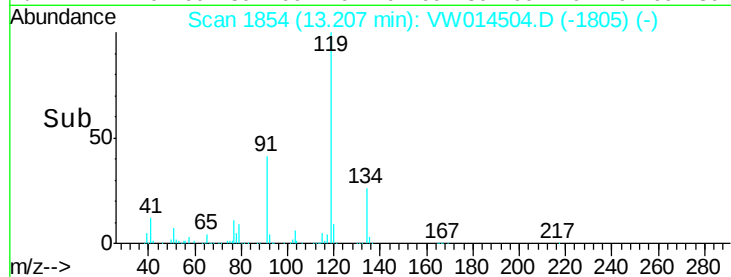
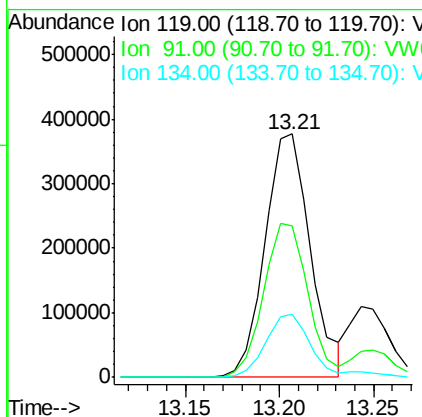
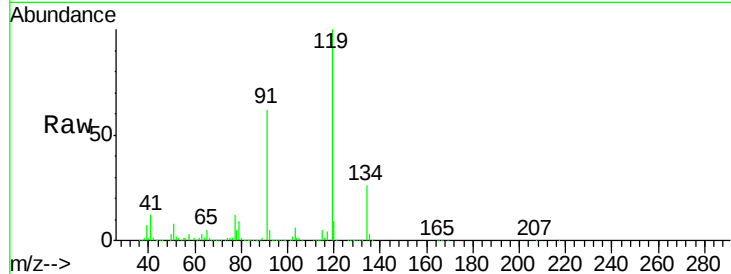
#83
tert-Butylbenzene
Concen: 20.962 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	31.1	93.3
134	27.0	13.5	40.5

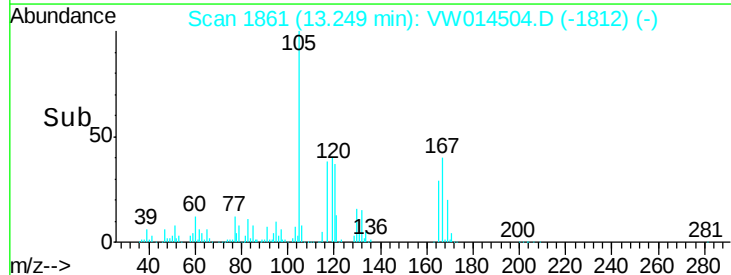
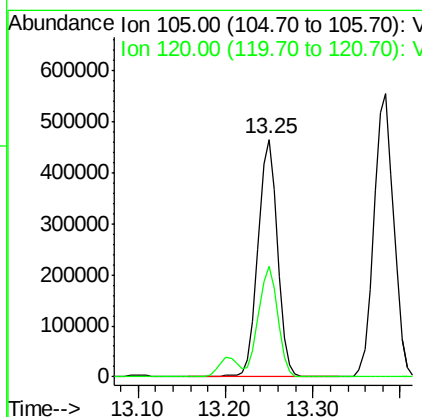
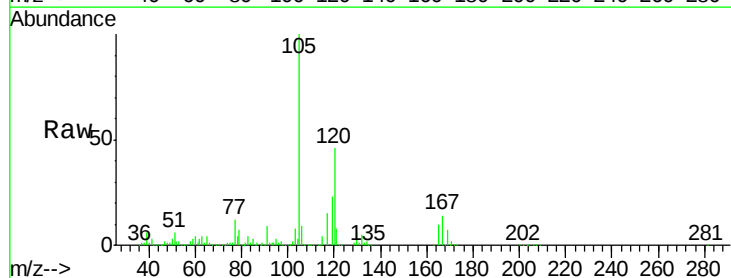
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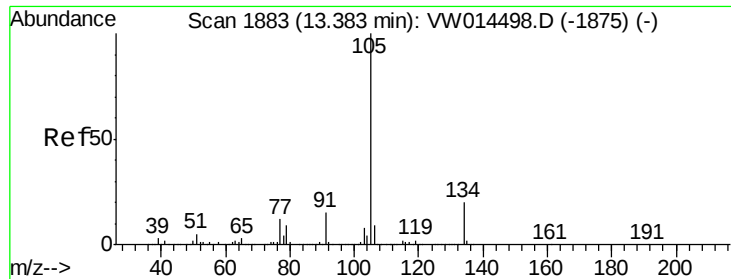
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#84
1,2,4-Trimethylbenzene
Concen: 21.158 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 20.972 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion:105 Resp: 870956

Ion Ratio Lower Upper

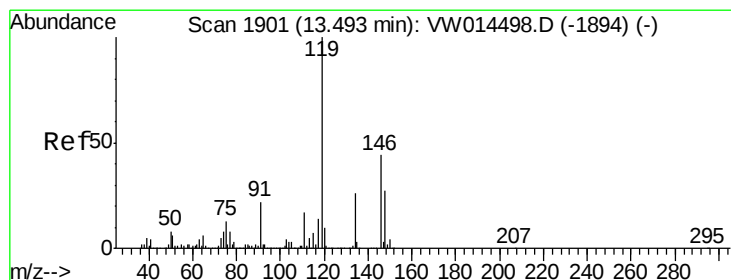
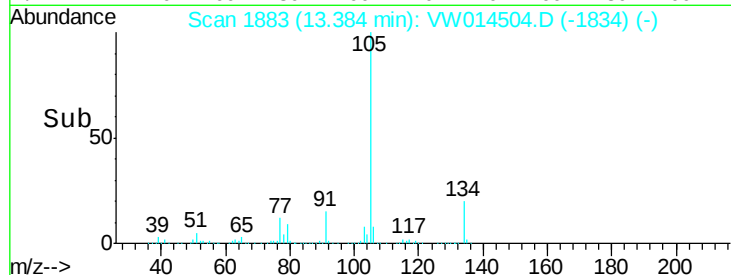
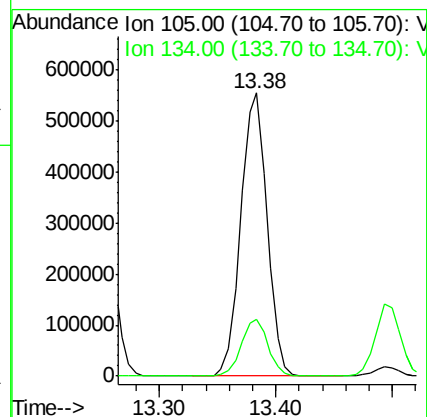
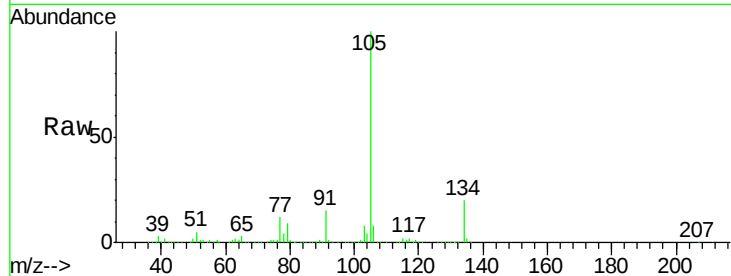
105 100

134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 21.212 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

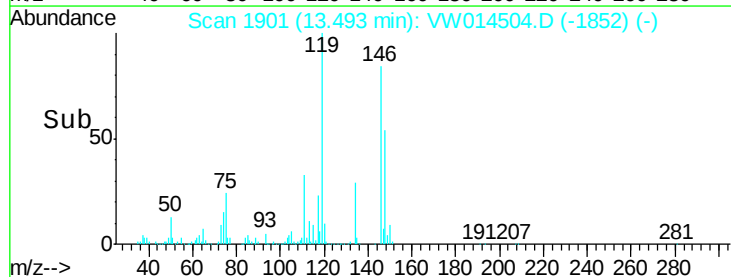
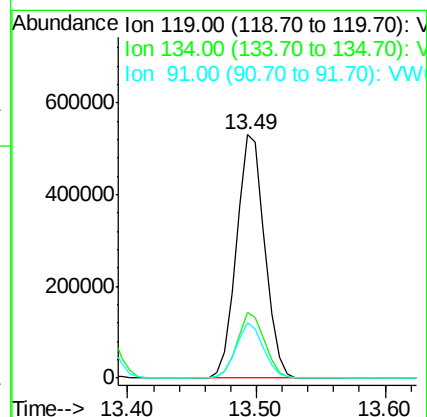
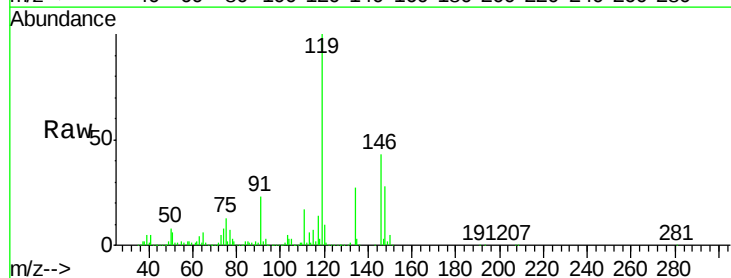
Tgt Ion:119 Resp: 802975

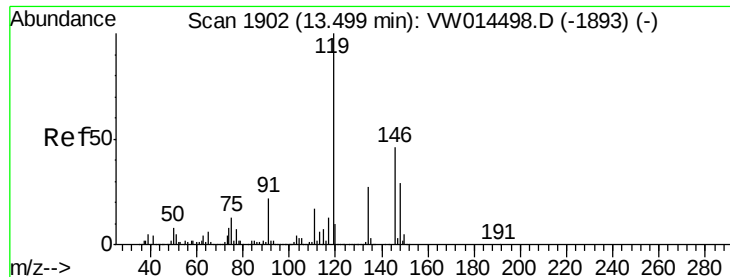
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 21.125 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

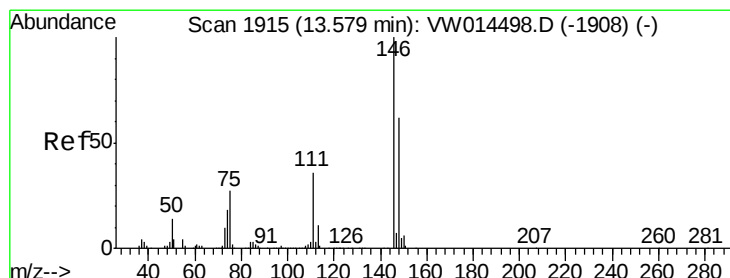
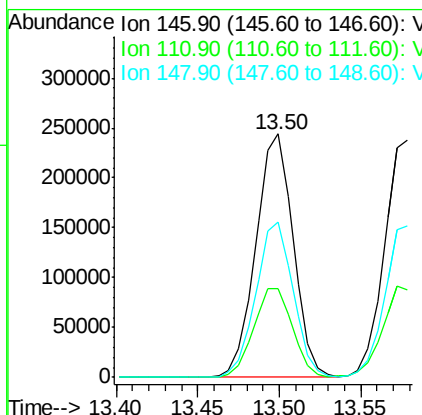
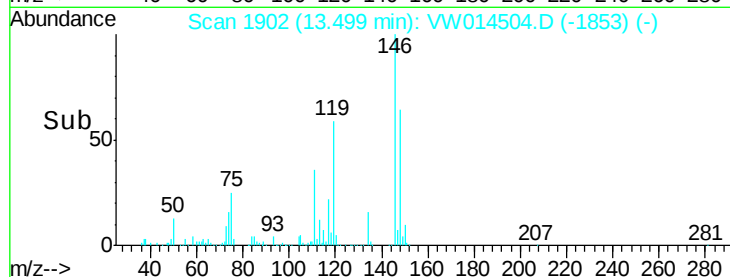
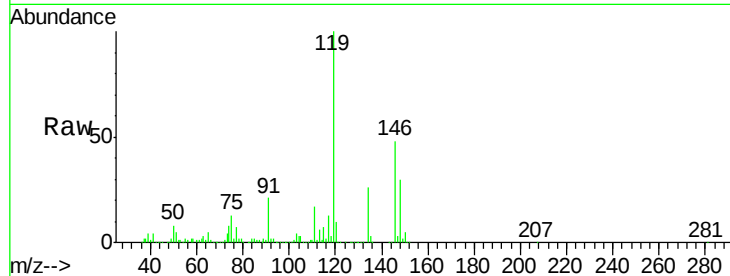
Instrument :
MSVOA_W

ClientSampled :
VW0103SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 21.198 ug/l

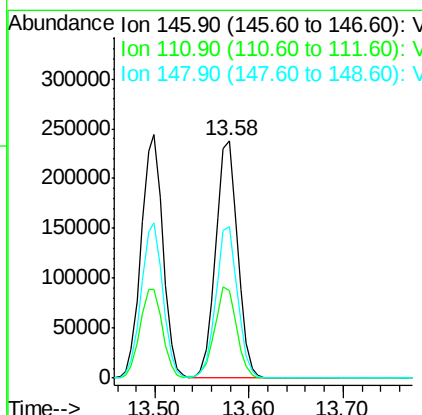
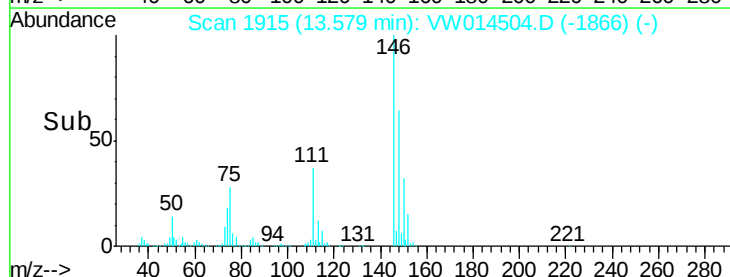
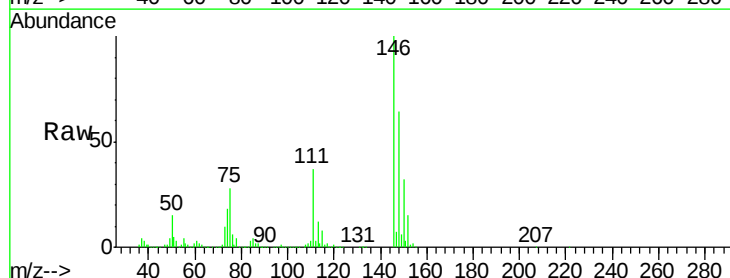
RT: 13.58 min Scan# 1915

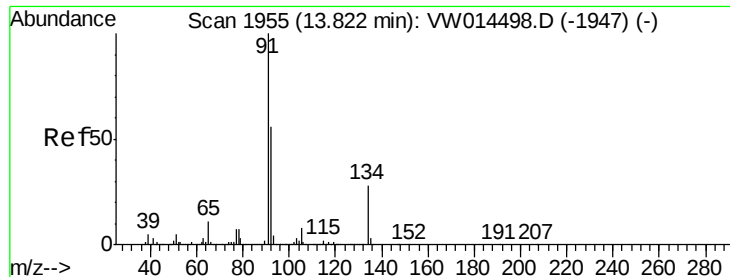
Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.7	56.1
148	63.1	31.7	95.1





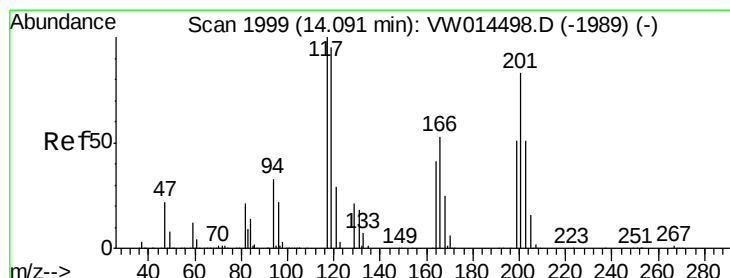
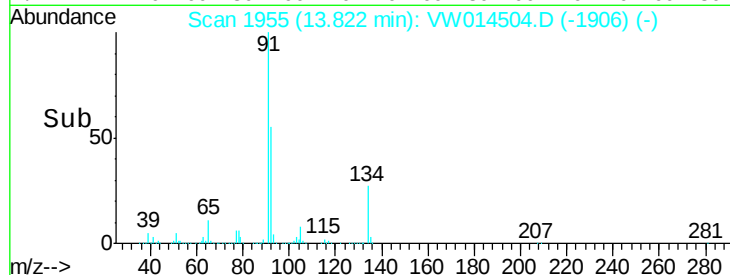
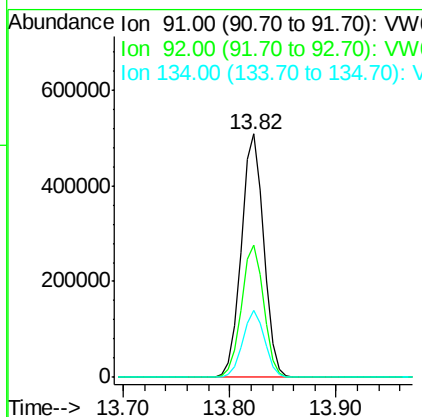
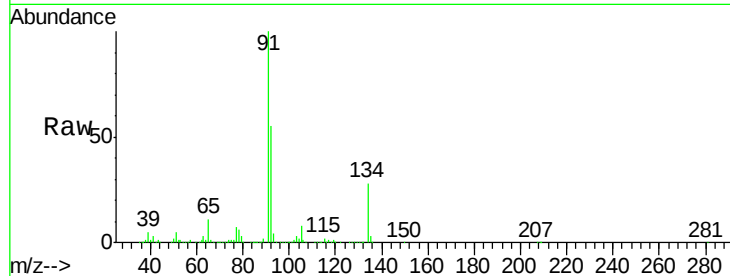
#89
n-Butylbenzene
Concen: 21.335 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.5
134	27.1	13.7	41.1

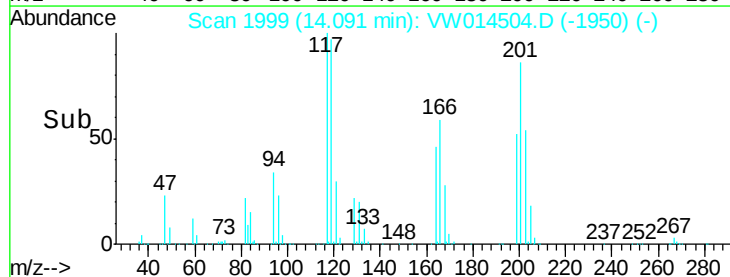
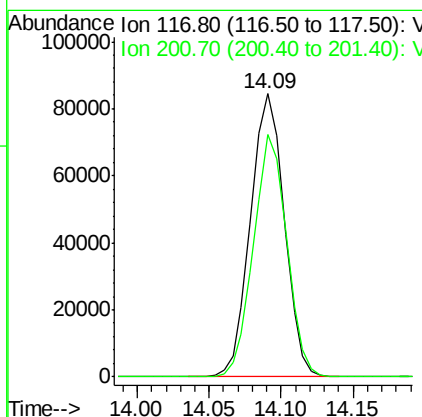
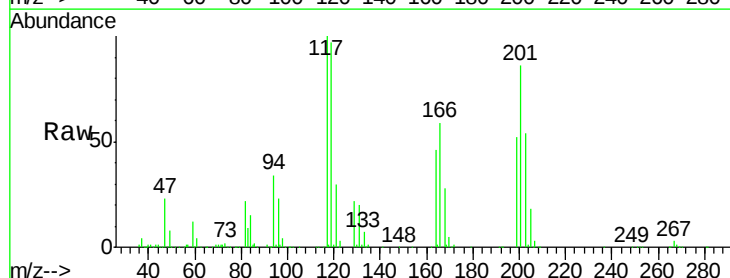
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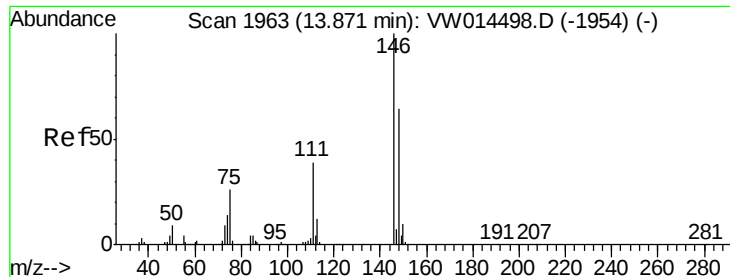
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#90
Hexachloroethane
Concen: 20.753 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	43.0	128.8





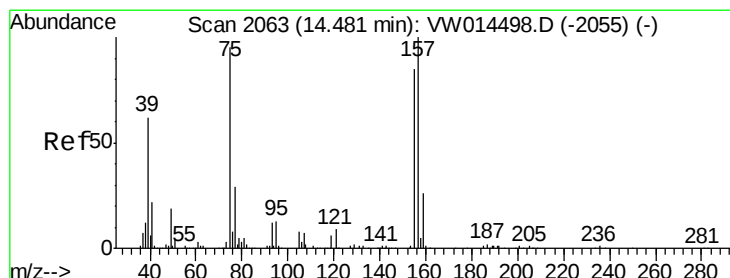
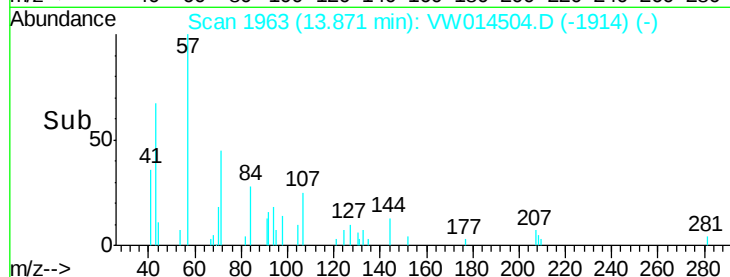
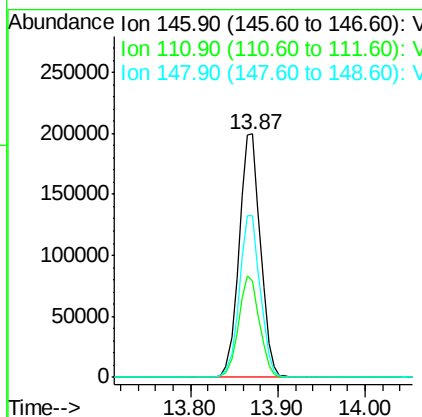
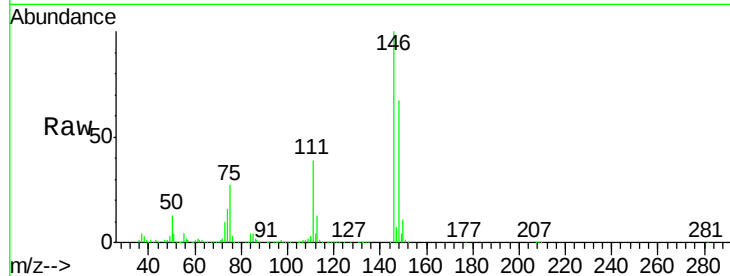
#91
 1,2-Dichlorobenzene
 Concen: 20.895 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	338529		
111	40.7		20.4	61.3
148	65.2		32.3	96.8

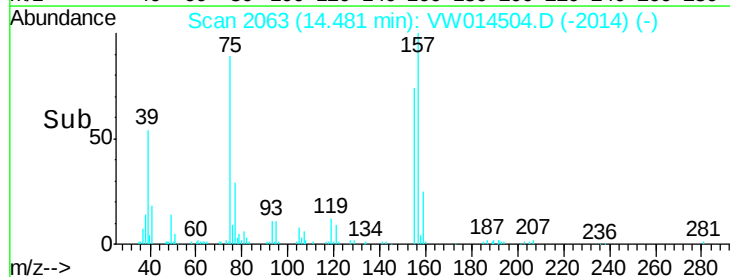
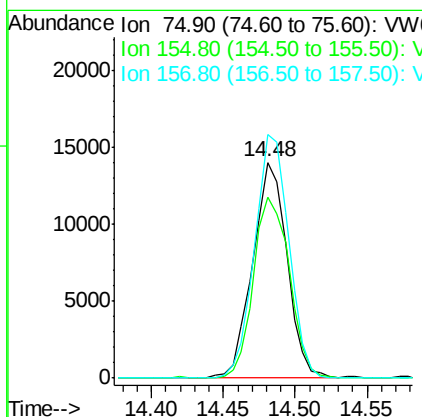
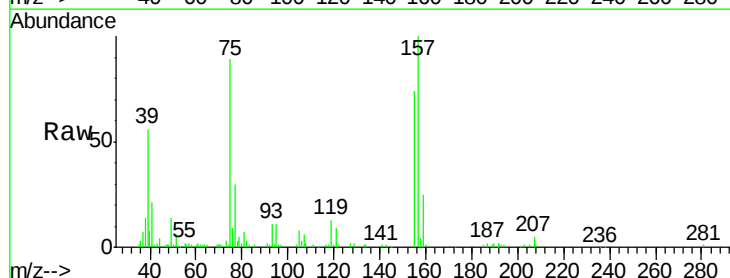
Manual Integrations
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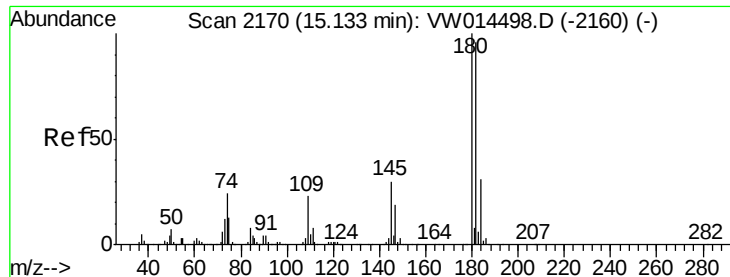
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.820 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014504.D
 Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23122		
155	87.6		45.8	137.4
157	112.3		58.1	174.2





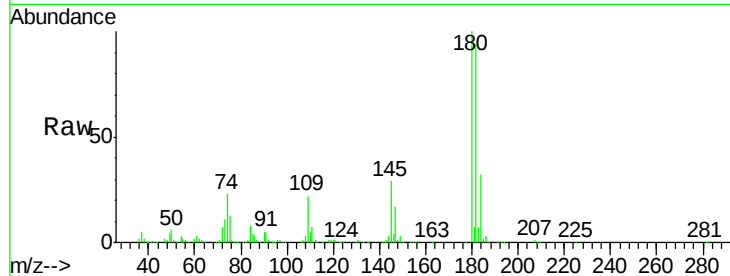
#93
1,2,4-Trichlorobenzene
Concen: 22.149 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

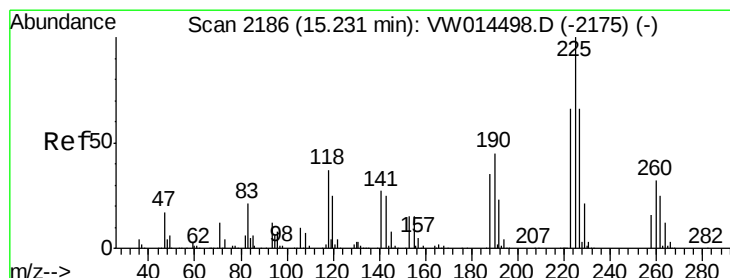
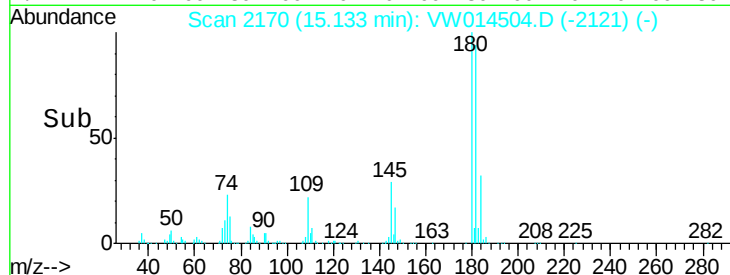
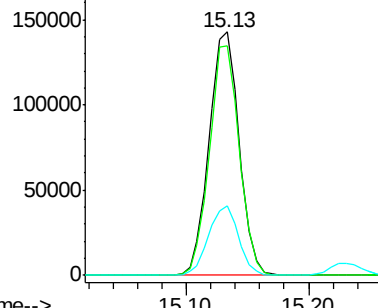
Tot Ion	Ratio	Resp	Lower	Upper
180	100	242330		
182	94.0	47.3	141.8	
145	28.5	14.7	44.1	

Manual Integrations
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1/6/2020 10:43:36 AM

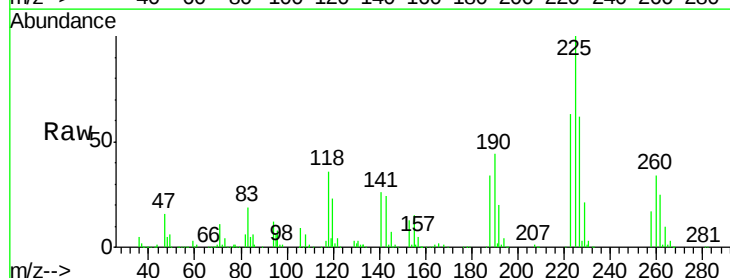


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

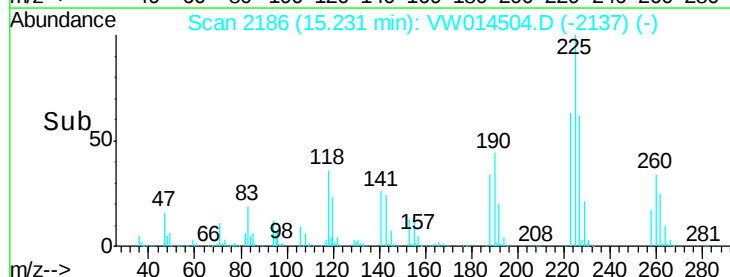
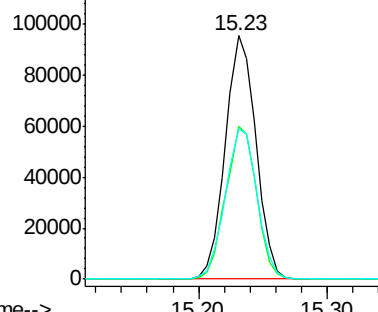


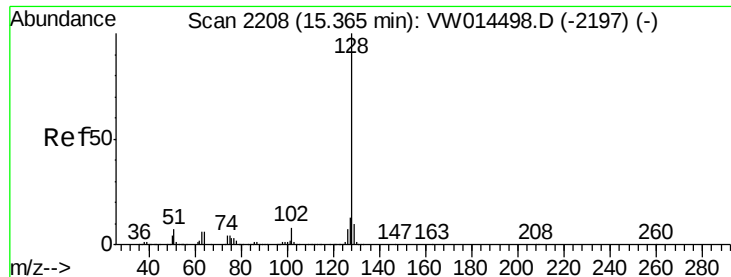
#94
Hexachlorobutadiene
Concen: 21.398 ug/l
RT: 15.23 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VW014504.D
Acq: 03 Jan 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156890		
223	62.8	32.4	97.2	
227	64.1	32.6	97.8	



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: 20.239 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Instrument :

MSVOA_W

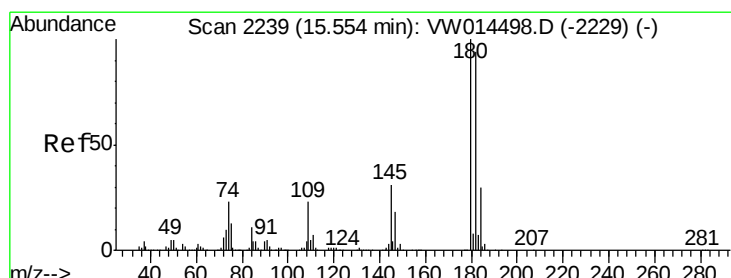
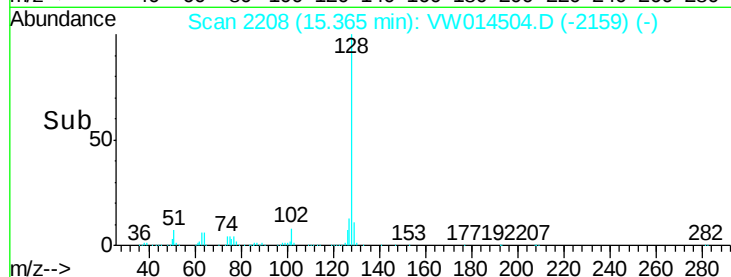
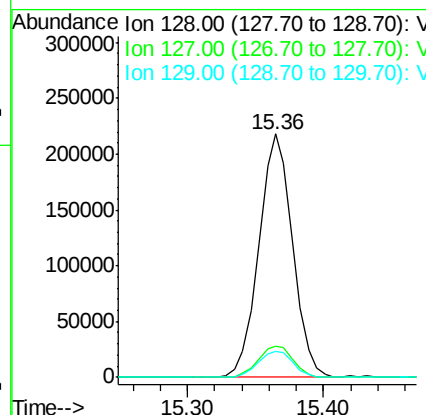
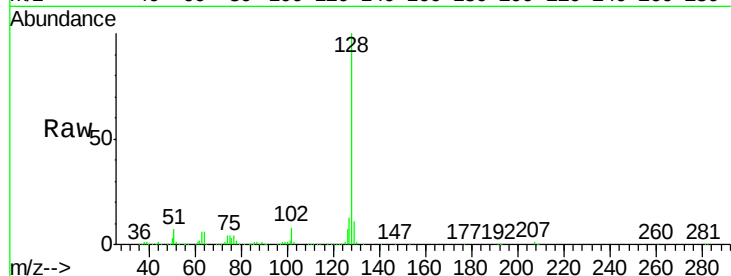
ClientSampleId :

VW0103SBS01

Tot Ion:	128	Resp:	377643
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
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apatel
1/6/2020 10:43:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.440 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014504.D

Acq: 03 Jan 2020 17:46

Tgt Ion:	180	Resp:	204468
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.4	142.2
145	30.3	15.5	46.5

