

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014720.D
 Acq On : 23 Jan 2020 12:44
 Operator : SY/VA
 Sample : VW0123SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:29 PM

Quant Time: Jan 24 04:45:39 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	7.94	168	684929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1036476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	885199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	431883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	315283	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.88	113	306407	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.32	98	1256732	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.62	95	423275	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84741	21.912	ug/l	100
3) Chloromethane	2.21	50	121296	25.624	ug/l	99
4) Vinyl Chloride	2.36	62	170954	24.554	ug/l	100
5) Bromomethane	2.77	94	98925	23.001	ug/l	98
6) Chloroethane	2.92	64	95278	24.007	ug/l	99
7) Trichlorofluoromethane	3.25	101	86285	24.770	ug/l	95
8) Diethyl Ether	3.67	74	67892	19.588	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	147711	22.694	ug/l	100
10) Methyl Iodide	4.26	142	204413	20.815	ug/l	96
11) Tert butyl alcohol	5.15	59	44691	81.317	ug/l	96
12) 1,1-Dichloroethene	4.03	96	150641	22.101	ug/l	98
13) Acrolein	3.89	56	44022	84.225	ug/l	100
14) Allyl chloride	4.66	41	238223	22.871	ug/l	98
15) Acrylonitrile	5.36	53	154260	97.369	ug/l	99
16) Acetone	4.11	43	154656	91.462	ug/l	97
17) Carbon Disulfide	4.38	76	448632	21.838	ug/l	98
18) Methyl Acetate	4.66	43	80726	19.767	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	177433	20.971	ug/l	98
20) Methylene Chloride	4.91	84	170998	22.519	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	158310	21.874	ug/l	96
22) Diisopropyl ether	6.30	45	453092	23.240	ug/l	95
23) Vinyl Acetate	6.24	43	1212420	102.984	ug/l	99
24) 1,1-Dichloroethane	6.21	63	279592	22.735	ug/l	100
25) 2-Butanone	7.16	43	201220	92.727	ug/l	96
26) 2,2-Dichloropropane	7.16	77	156933	23.049	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	162957	21.428	ug/l	96
28) Bromochloromethane	7.50	49	99178	20.570	ug/l	93
29) Tetrahydrofuran	7.52	42	125200	93.131	ug/l	97
30) Chloroform	7.66	83	259047	22.525	ug/l	97
31) Cyclohexane	7.95	56	283788	22.205	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	216687	23.428	ug/l	96
36) 1,1-Dichloropropene	8.07	75	227958	22.814	ug/l	99
37) Ethyl Acetate	7.24	43	85392	18.843	ug/l	98
38) Carbon Tetrachloride	8.06	117	198106	22.853	ug/l	97

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Manual Integrations
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Quant Time: Jan 24 04:45:39 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	9.33	83	267323	20.847	ug/l	92
40) Benzene	8.32	78	628975	22.248	ug/l	99
41) Methacrylonitrile	7.47	41	49079	19.428	ug/l	98
42) 1,2-Dichloroethane	8.40	62	162577	22.160	ug/l	97
43) Isopropyl Acetate	8.42	43	156658	19.037	ug/l	96
44) Trichloroethene	9.09	130	161118	21.061	ug/l	95
45) 1,2-Dichloropropane	9.37	63	154384	22.254	ug/l	98
46) Dibromomethane	9.45	93	69913	20.414	ug/l	98
47) Bromodichloromethane	9.64	83	184250	21.791	ug/l	99
48) Methyl methacrylate	9.43	41	76337	19.000	ug/l	98
49) 1,4-Dioxane	9.45	88	23932	373.611	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	404887	94.746	ug/l	98
52) Toluene	10.38	92	390076	21.932	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	177148	20.235	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	223002	20.842	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	100443	20.081	ug/l	97
56) Ethyl methacrylate	10.64	69	120403	18.522	ug/l	97
57) 1,3-Dichloropropane	10.93	76	180851	20.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	191334	96.780	ug/l	98
59) 2-Hexanone	10.96	43	275074	93.411	ug/l	96
60) Dibromochloromethane	11.12	129	111365	19.733	ug/l	97
61) 1,2-Dibromoethane	11.23	107	92591	19.501	ug/l	99
64) Tetrachloroethene	10.86	164	134937	21.056	ug/l	97
65) Chlorobenzene	11.65	112	388247	21.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	128661	21.071	ug/l	98
67) Ethyl Benzene	11.73	91	721496	22.076	ug/l	97
68) m/p-Xylenes	11.83	106	546076	43.657	ug/l	98
69) o-Xylene	12.16	106	247770	21.444	ug/l	99
70) Styrene	12.18	104	416524	21.314	ug/l	98
71) Bromoform	12.35	173	62447	18.750	ug/l #	99
73) Isopropylbenzene	12.46	105	689392	21.755	ug/l	99
74) N-amyl acetate	12.27	43	139284	19.603	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	111245	19.449	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82691m	20.251	ug/l	
77) Bromobenzene	12.74	156	153593	20.868	ug/l	98
78) n-propylbenzene	12.80	91	841628	22.586	ug/l	98
79) 2-Chlorotoluene	12.89	91	469798	22.154	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	591600	22.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34175	18.647	ug/l	94
82) 4-Chlorotoluene	12.99	91	491184	22.295	ug/l	98
83) tert-Butylbenzene	13.20	119	506342	21.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	586608	22.154	ug/l	99
85) sec-Butylbenzene	13.38	105	711408	22.062	ug/l	99
86) p-Isopropyltoluene	13.49	119	650033	22.116	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	307596	21.492	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	301330	21.326	ug/l	99
89) n-Butylbenzene	13.82	91	611496	22.404	ug/l	99
90) Hexachloroethane	14.09	117	111606	21.737	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	267120	21.235	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17789	19.639	ug/l	89

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	178891	21.059	ug/l	99
94) Hexachlorobutadiene	15.23	225	123593	21.710	ug/l	97
95) Naphthalene	15.36	128	269375	18.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	149887	20.242	ug/l	99

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

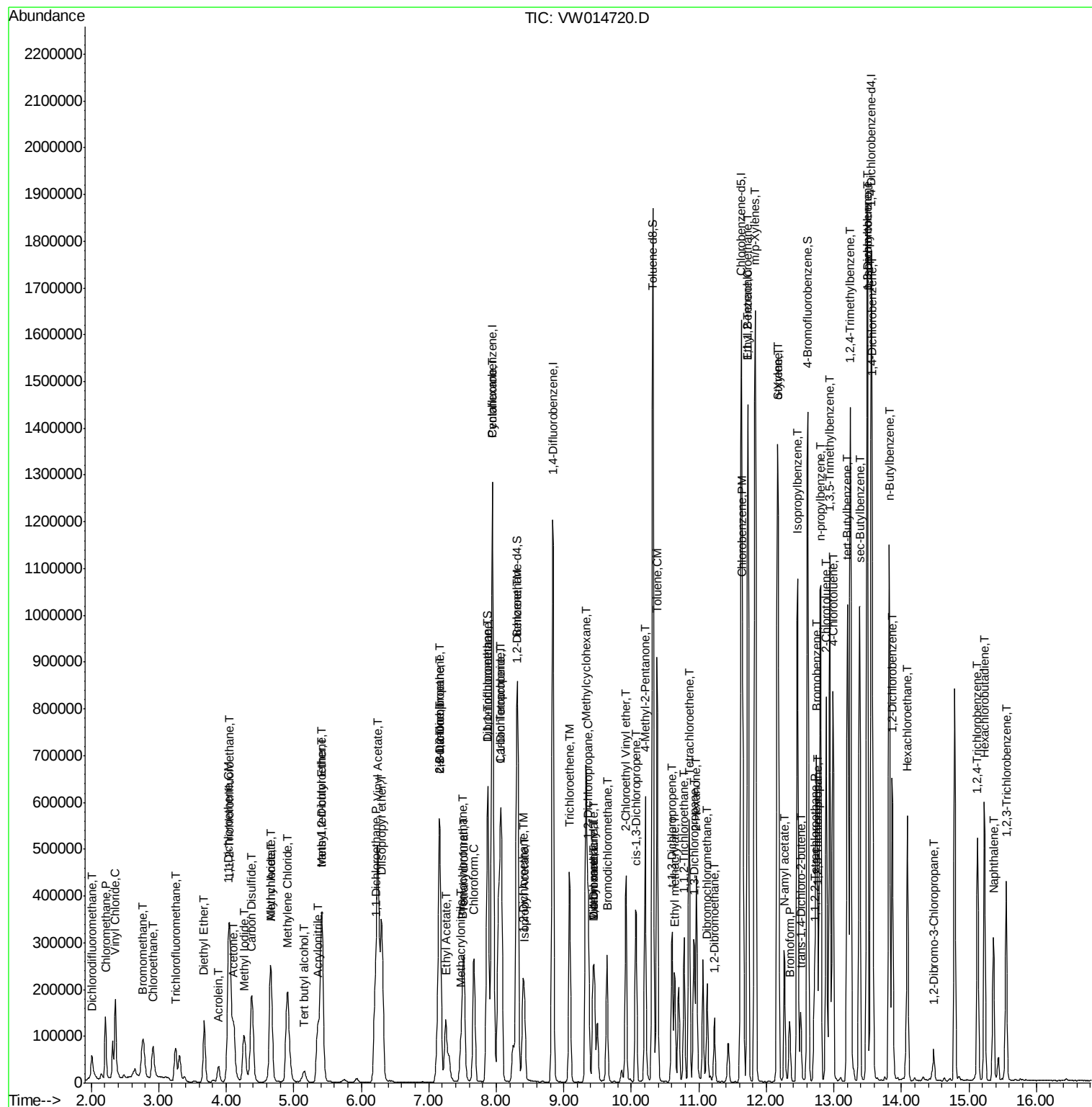
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 Data File : VW014720.D
 Acq On : 23 Jan 2020 12:44
 Operator : SY/VA
 Sample : VW0123SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

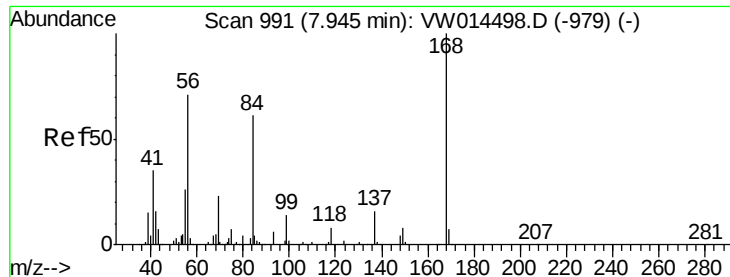
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion:168 Resp: 684929

Ion Ratio Lower Upper

168 100

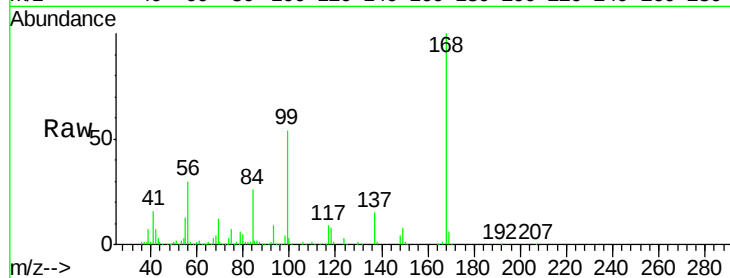
99 54.2 41.1 61.7

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

7.94

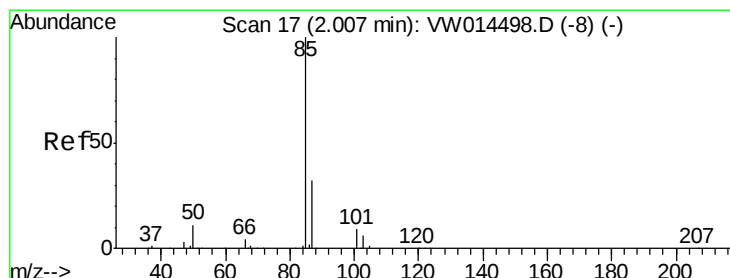
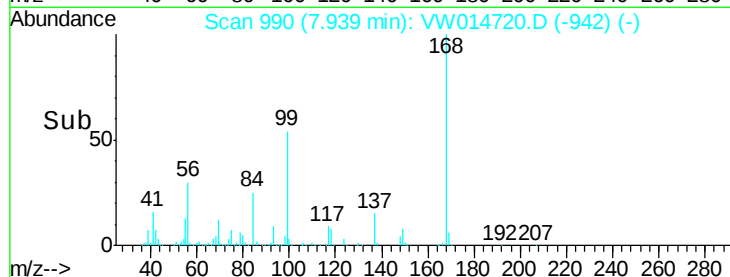
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.912 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014720.D

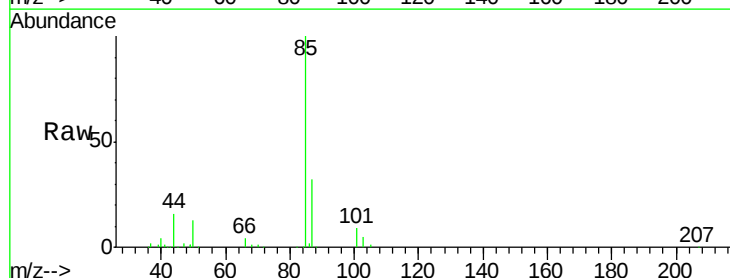
Acq: 23 Jan 2020 12:44

Tgt Ion: 85 Resp: 84741

Ion Ratio Lower Upper

85 100

87 32.1 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

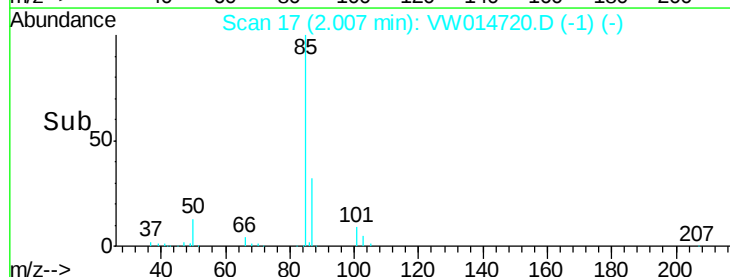
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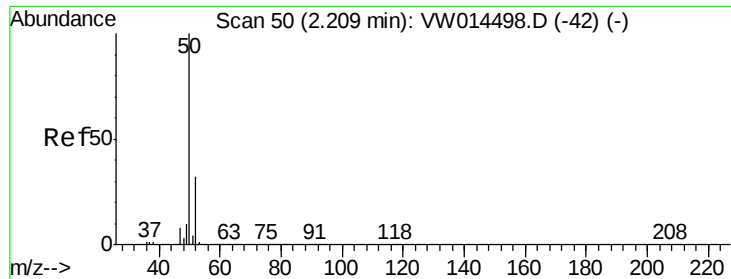
20000

10000

0

Time-->





#3

Chloromethane

Concen: 25.624 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion: 50 Resp: 121296

Ion Ratio Lower Upper

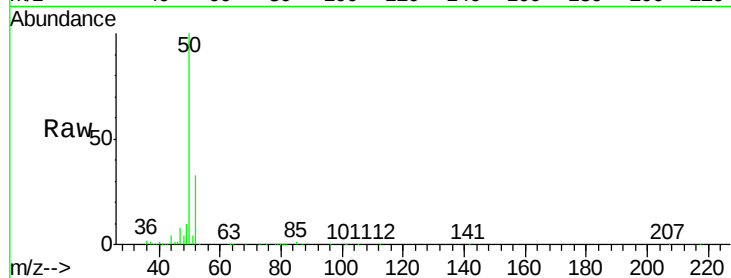
50 100

52 32.9 25.8 38.8

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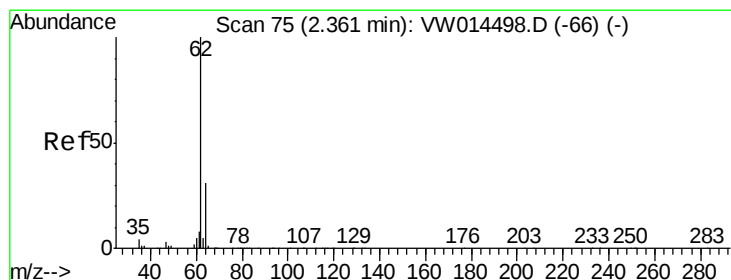
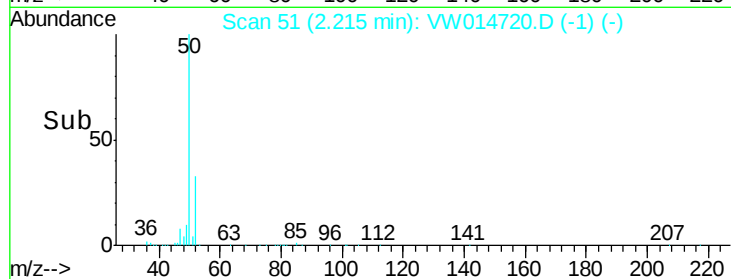
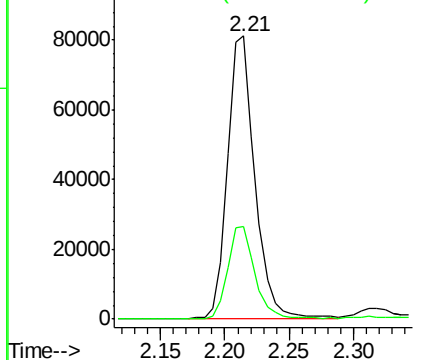
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 24.554 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014720.D

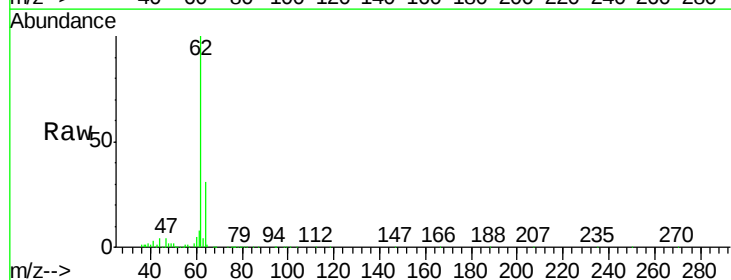
Acq: 23 Jan 2020 12:44

Tgt Ion: 62 Resp: 170954

Ion Ratio Lower Upper

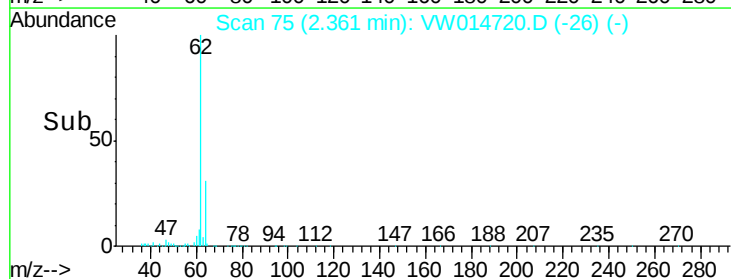
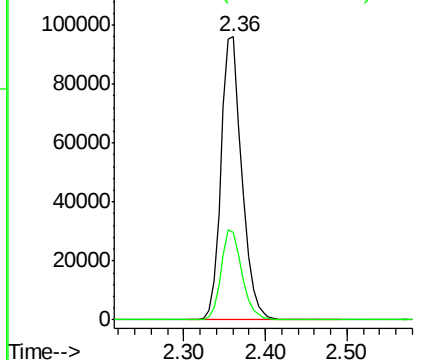
62 100

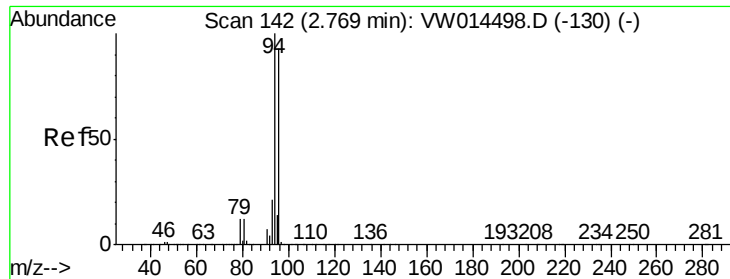
64 31.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.001 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion: 94 Resp: 98925

Ion Ratio Lower Upper

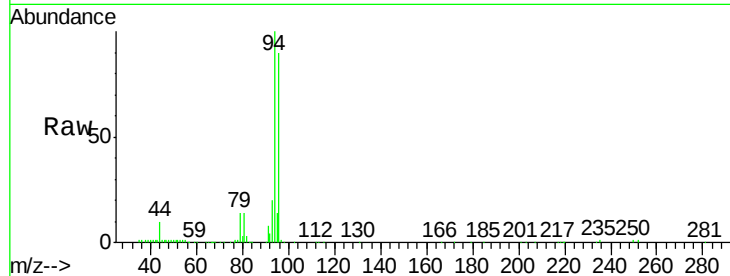
94 100

96 90.4 74.2 111.2

Manual Integrations
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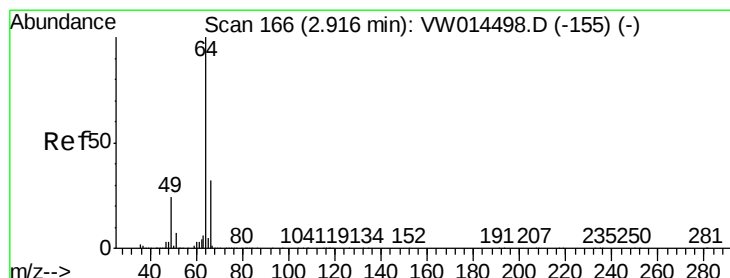
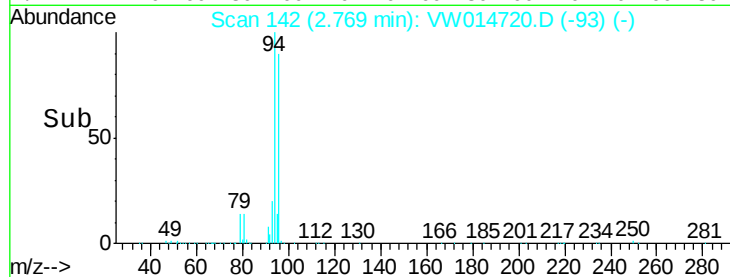
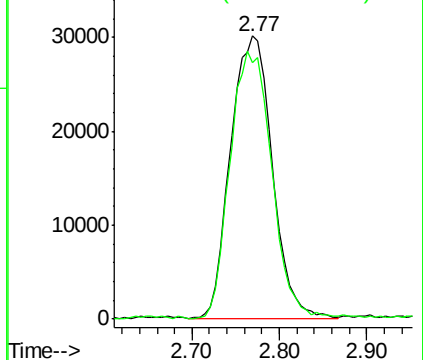
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 24.007 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014720.D

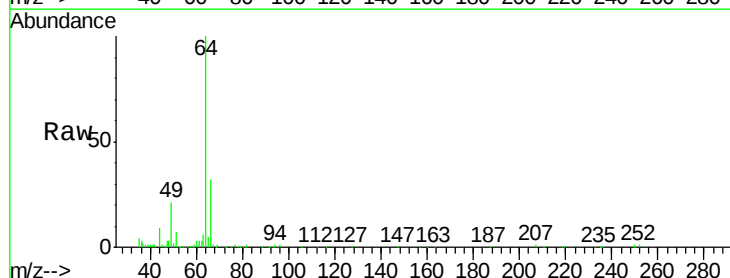
Acq: 23 Jan 2020 12:44

Tgt Ion: 64 Resp: 95278

Ion Ratio Lower Upper

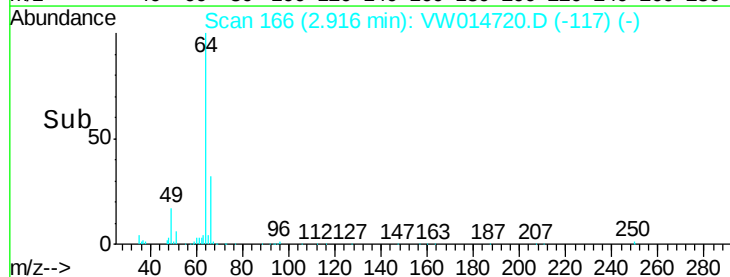
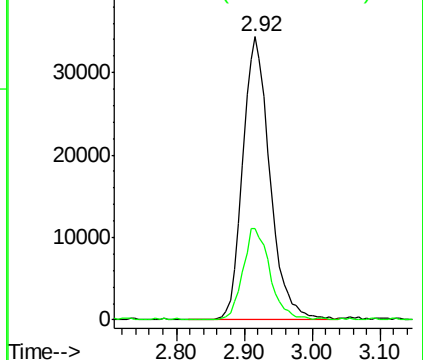
64 100

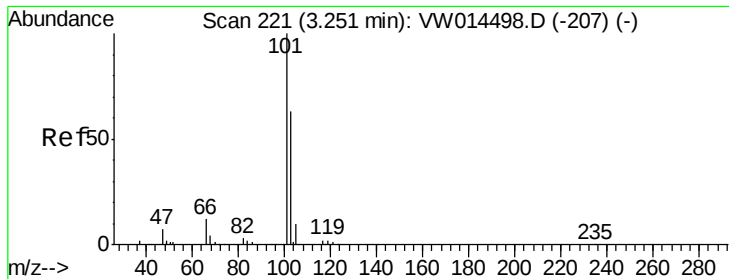
66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

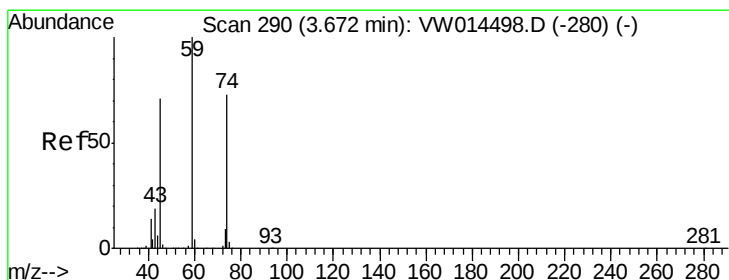
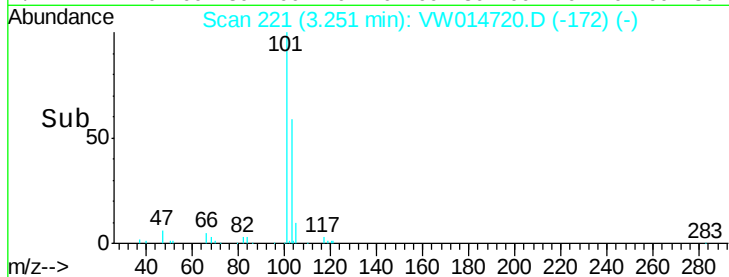
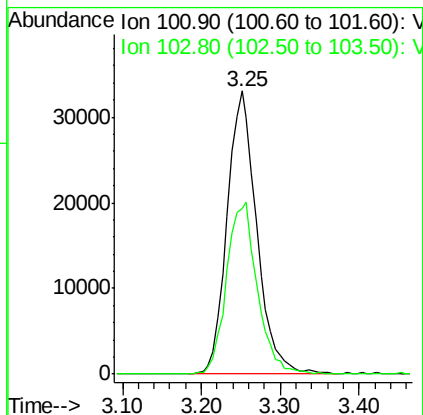
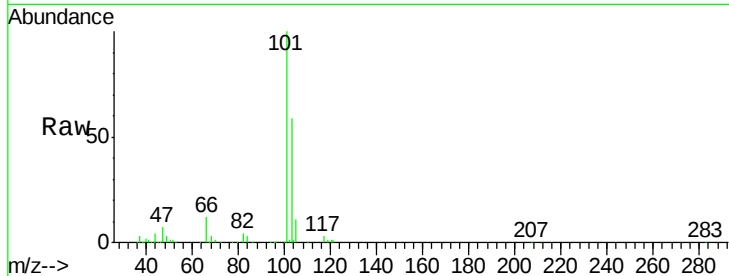
Trichlorofluoromethane
Concen: 24.770 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.6	50.1	75.1

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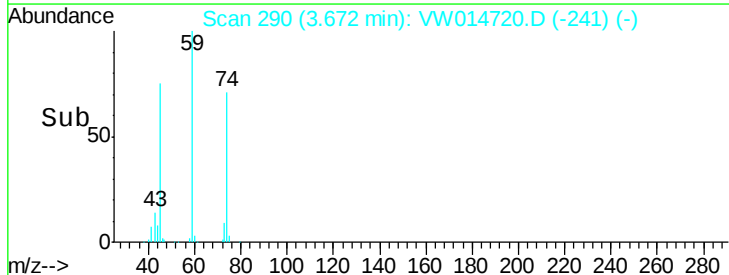
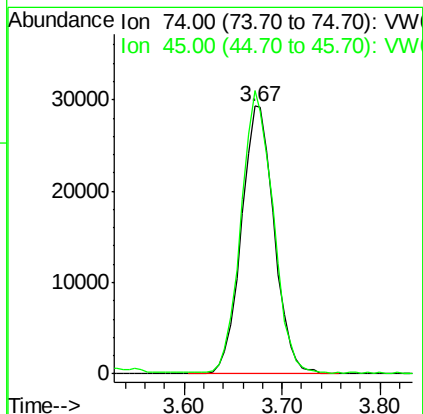
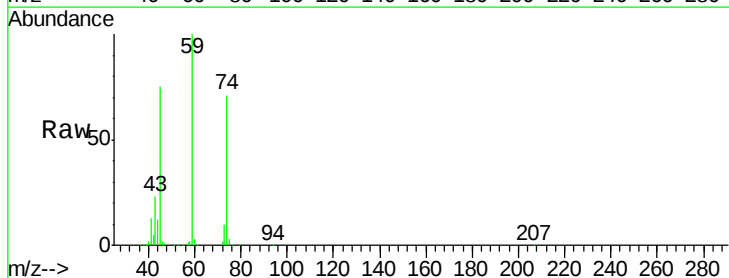
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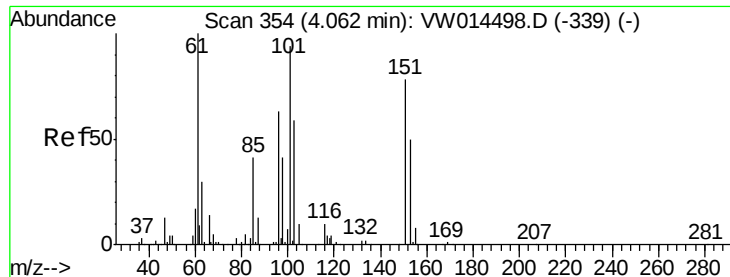


#8

Diethyl Ether
Concen: 19.588 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.694 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

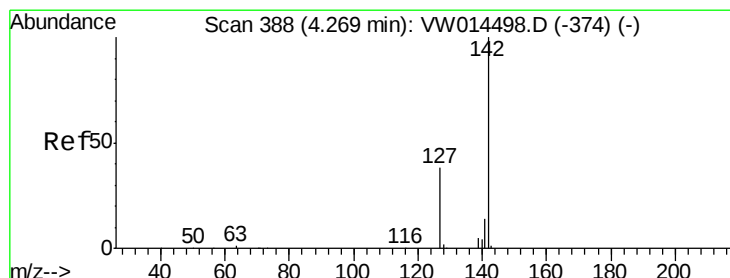
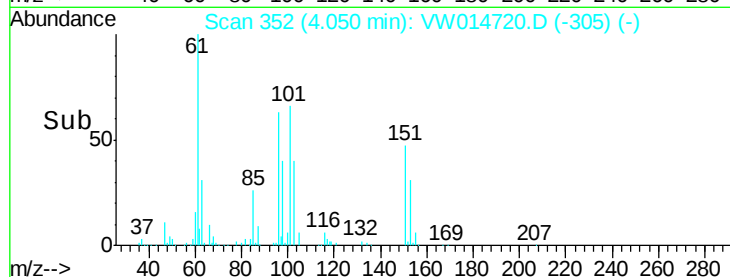
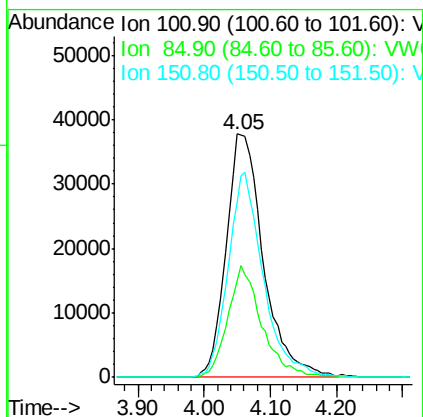
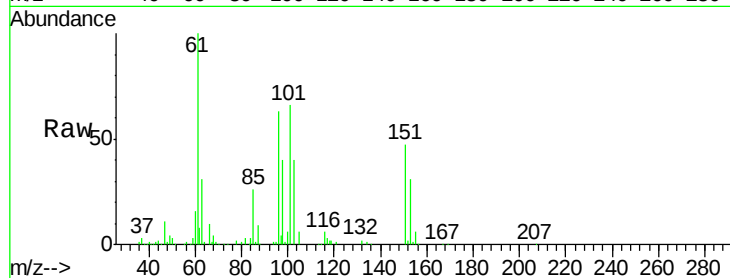
ClientSampleId :

VW0123SBS01

Tot Ion:	101	Resp:	147711
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.7	50.5
151	79.7	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.815 ug/l

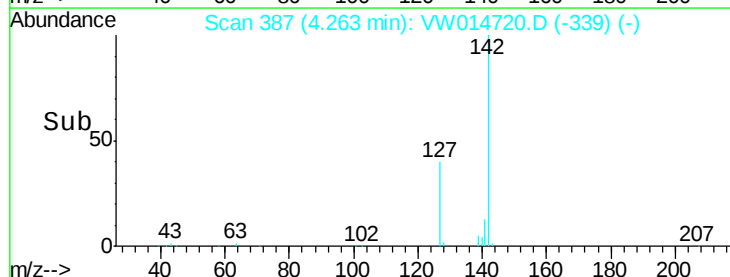
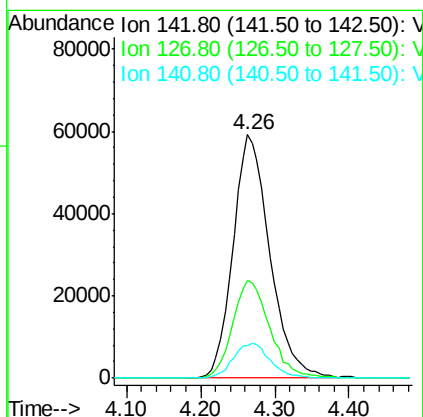
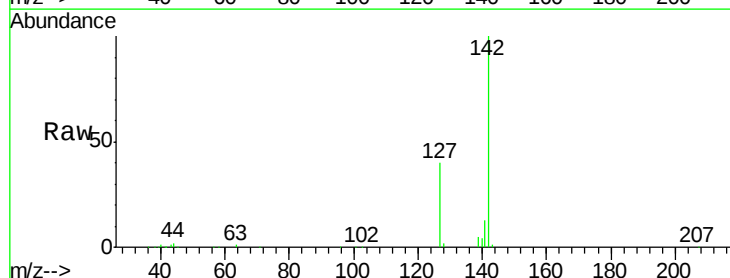
RT: 4.26 min Scan# 387

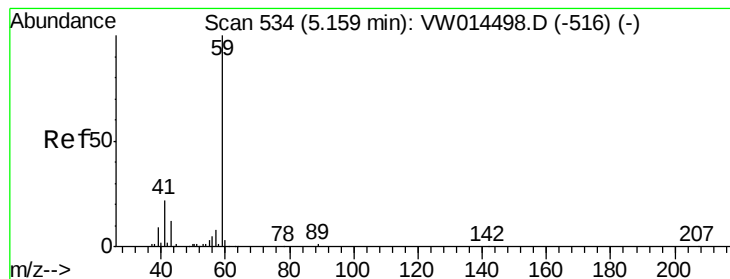
Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion:	142	Resp:	204413
Ion Ratio	Lower	Upper	
142	100		
127	40.6	30.2	45.4
141	14.4	11.4	17.2





#11

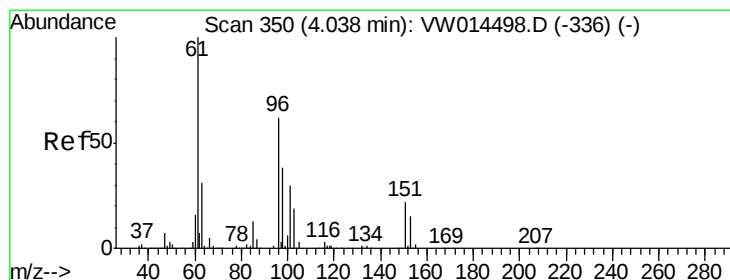
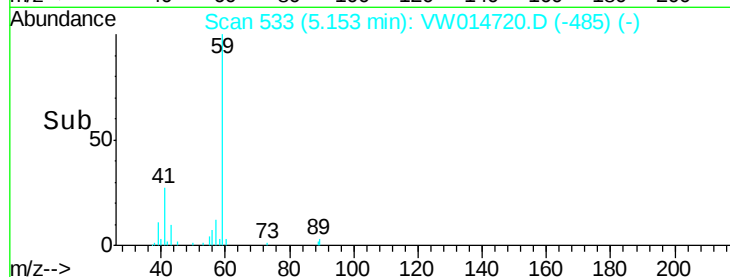
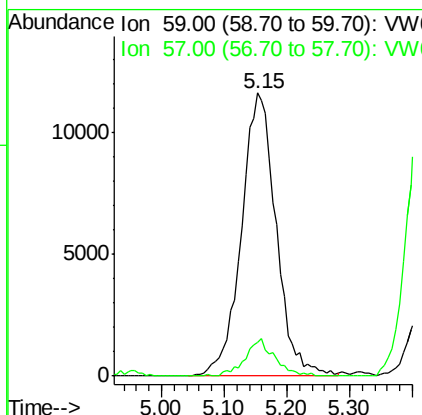
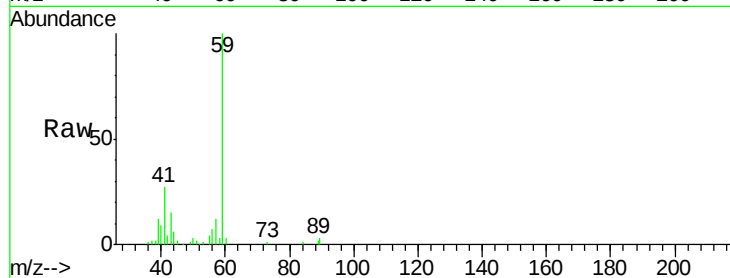
Tert butyl alcohol
Concen: 81.317 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.8	11.8

Manual Integrations
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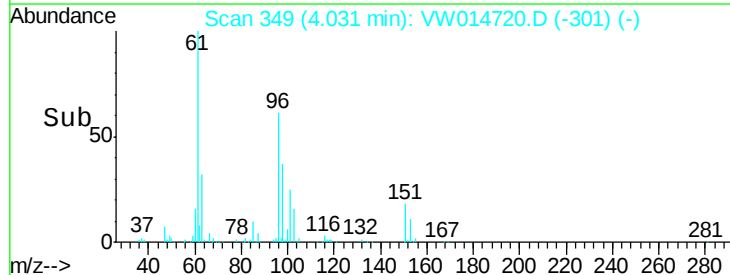
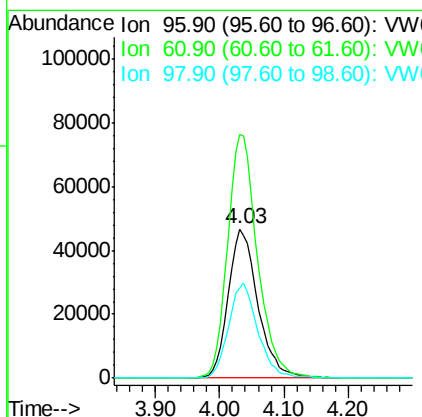
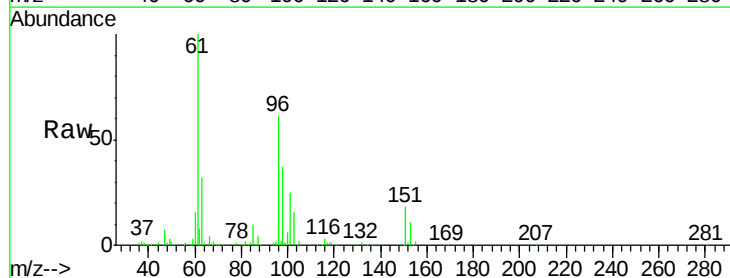
MMDadoda
1/24/2020 4:02:29 PM

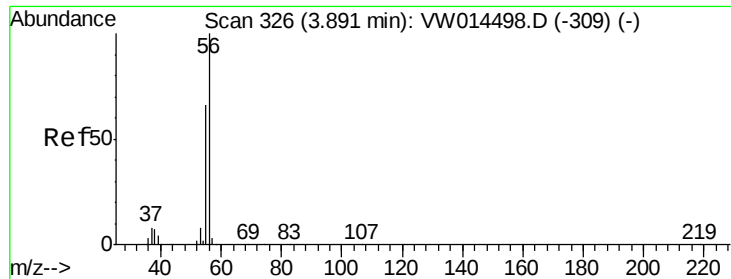


#12

1,1-Dichloroethene
Concen: 22.101 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	128.4	192.6
98	60.2	49.1	73.7





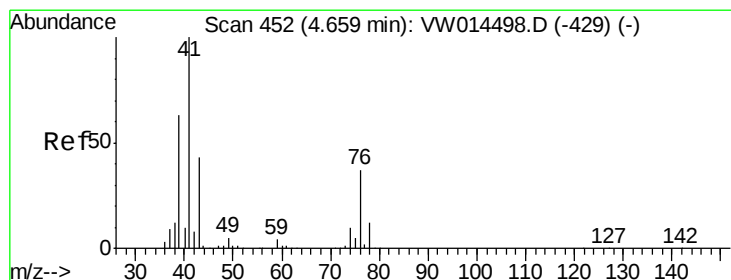
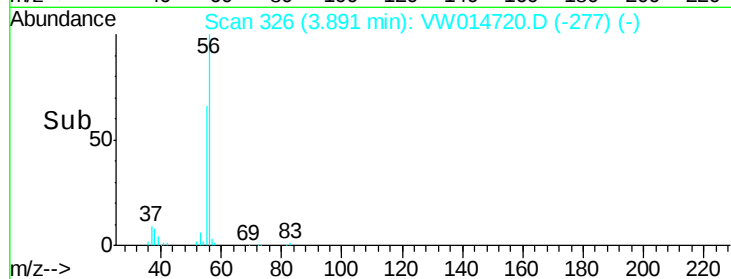
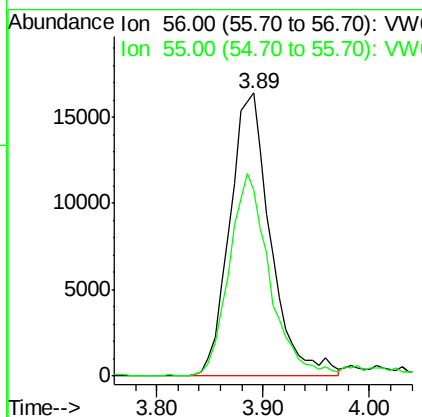
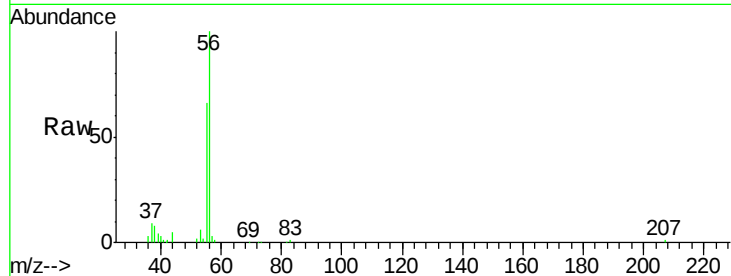
#13
Acrolein
Concen: 84.225 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.7	85.1

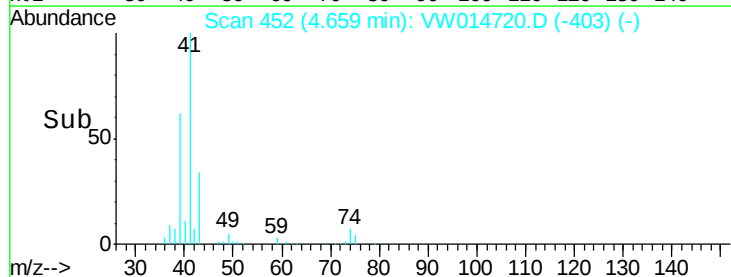
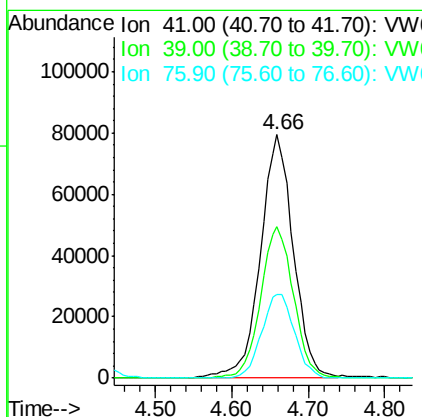
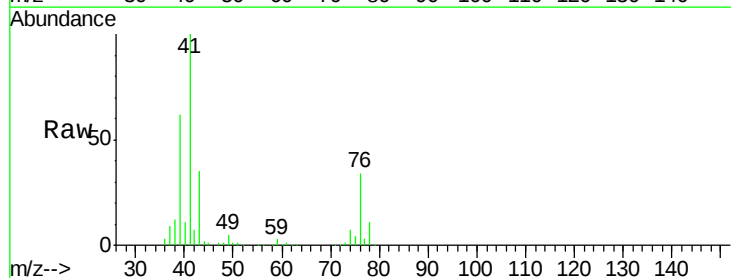
Manual Integrations
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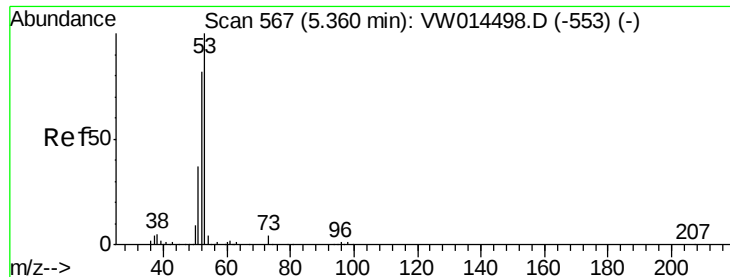
MMDadoda
1/24/2020 4:02:29 PM



#14
Allyl chloride
Concen: 22.871 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	48.5	72.7
76	34.3	28.1	42.1





#15

Acrylonitrile

Concen: 97.369 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

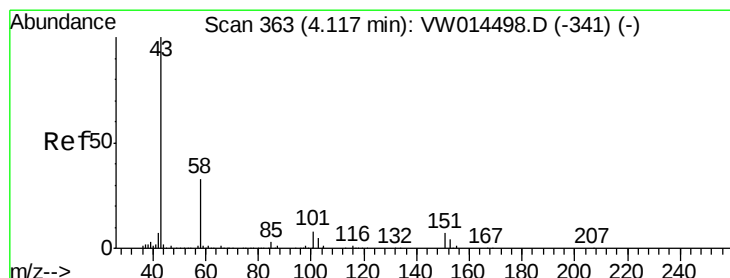
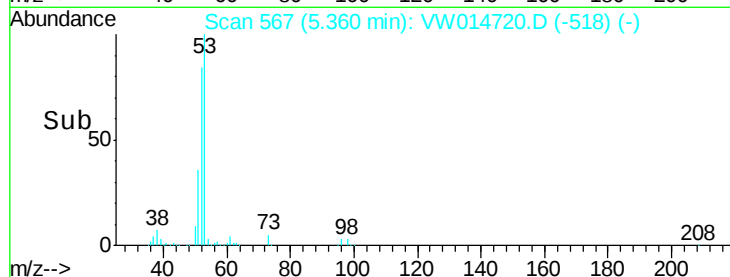
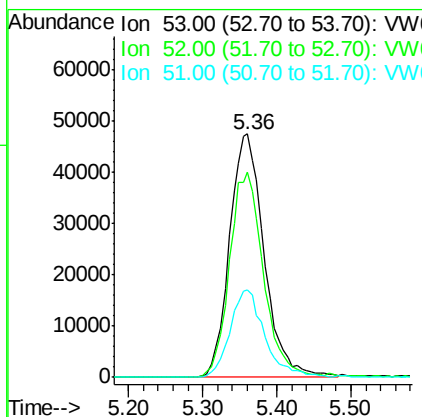
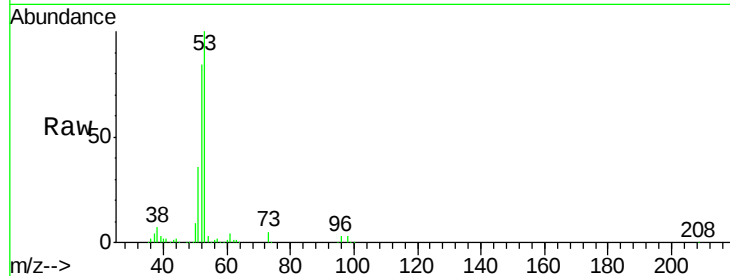
ClientSampleId :

VW0123SBS01

Tot Ion:	53	Resp:	154260
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 91.462 ug/l

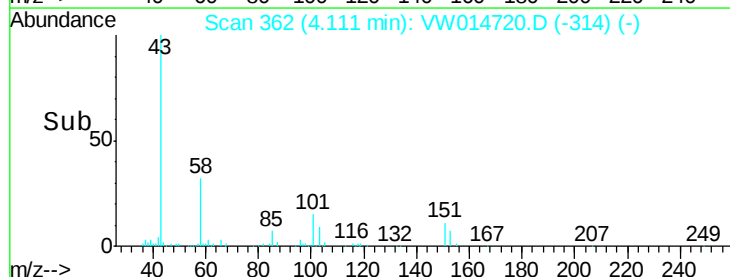
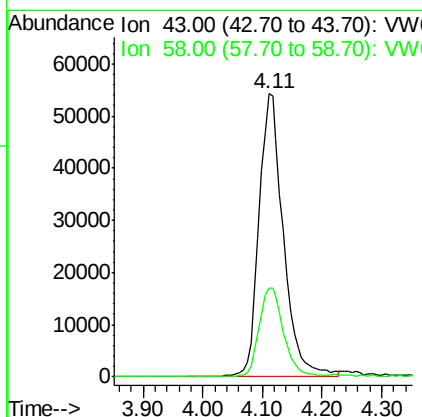
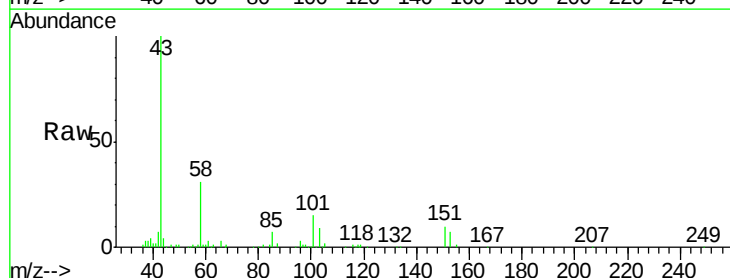
RT: 4.11 min Scan# 362

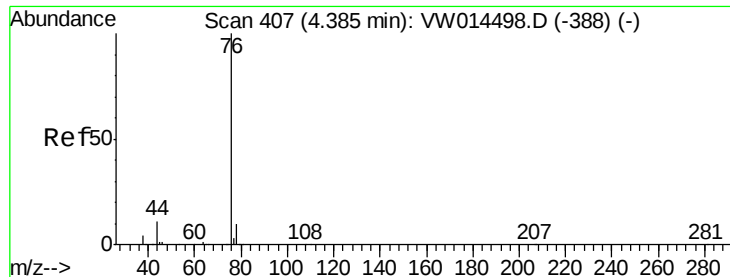
Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion:	43	Resp:	154656
Ion Ratio		Lower	Upper
43	100		
58	31.5	26.6	39.8





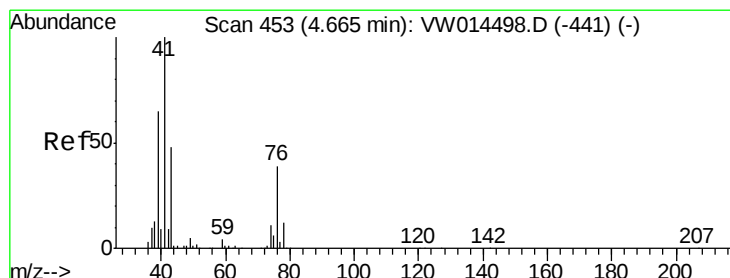
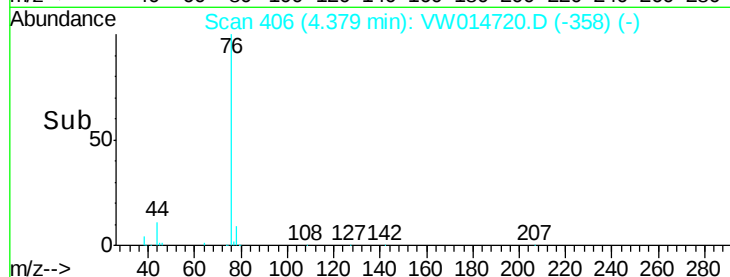
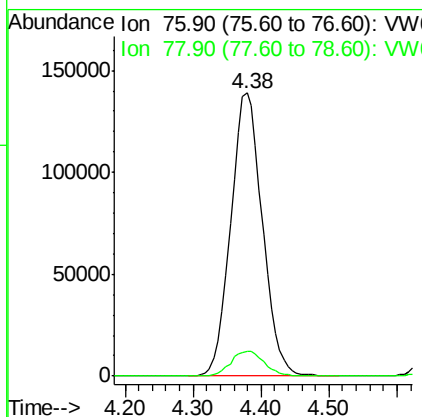
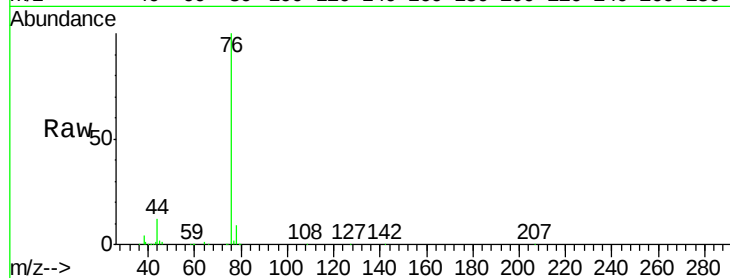
#17
Carbon Disulfide
Concen: 21.838 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.8	11.6

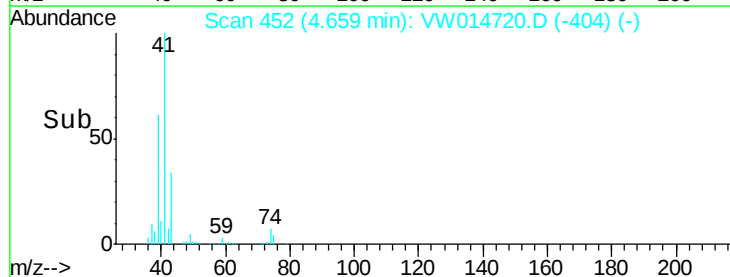
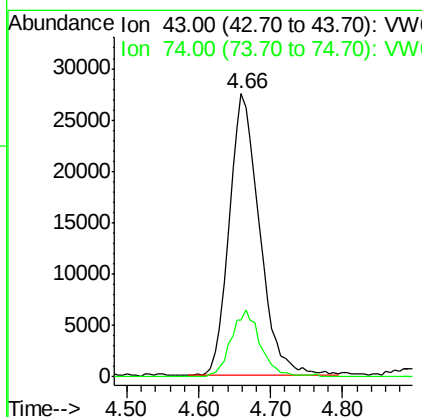
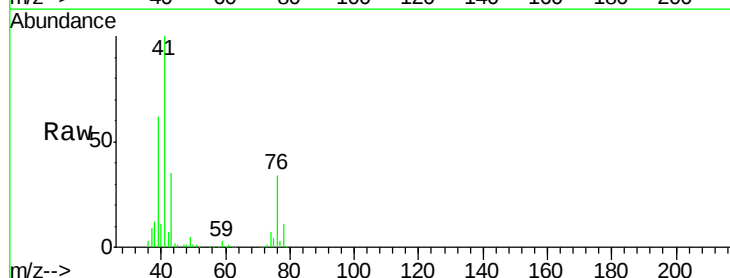
Manual Integrations
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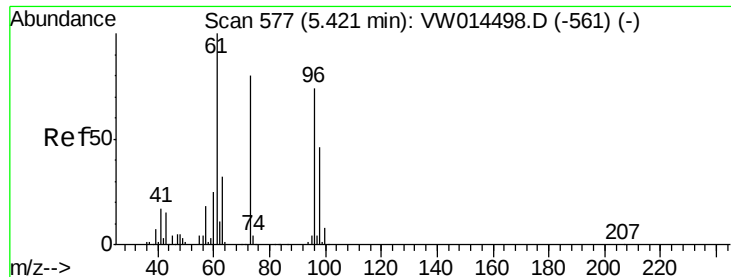
MMDadoda
1/24/2020 4:02:29 PM



#18
Methyl Acetate
Concen: 19.767 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.3	28.9





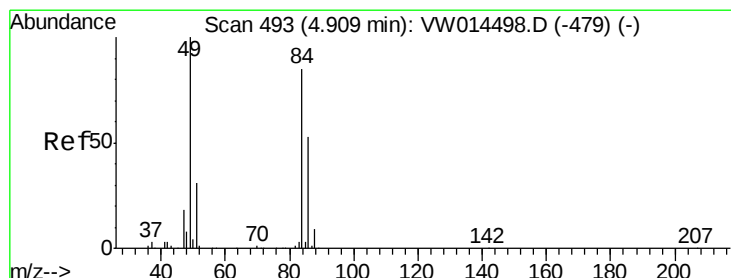
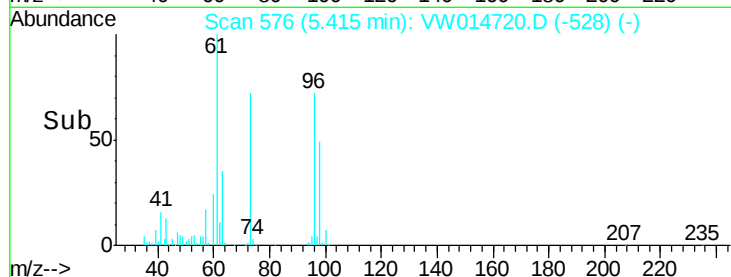
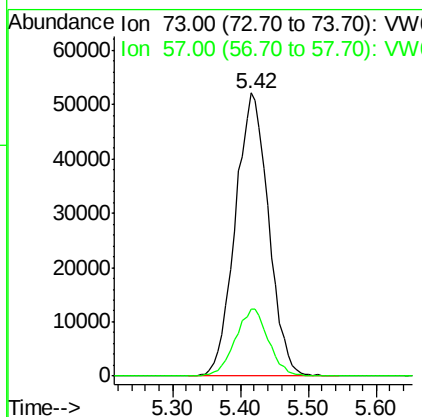
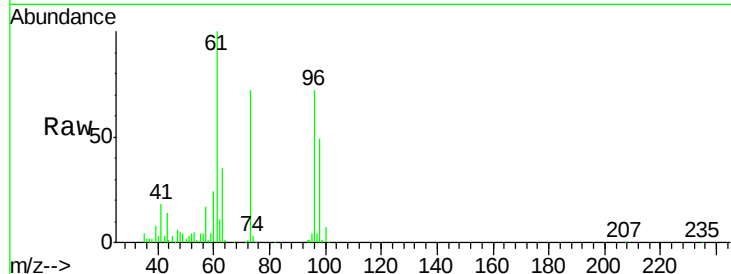
#19
Methvl tert-butvl Ether
Concen: 20.971 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.1	27.1

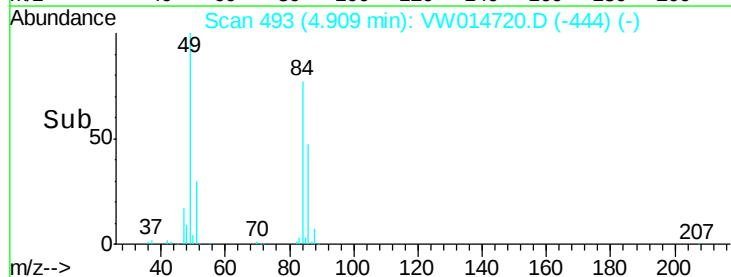
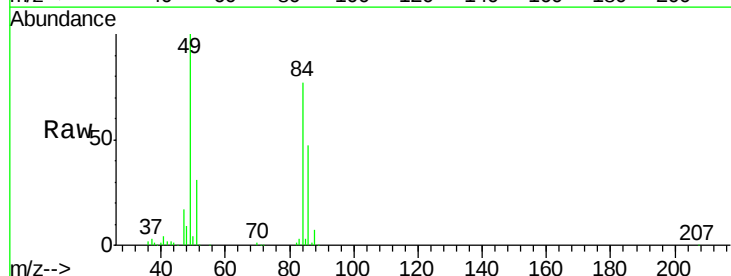
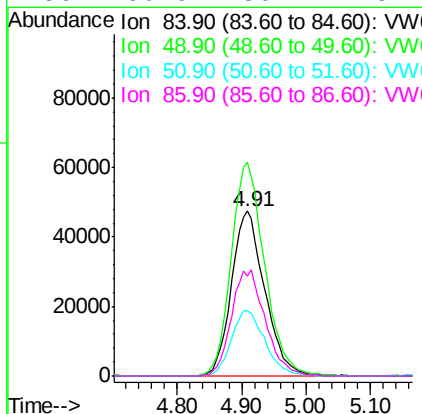
Manual Integrations
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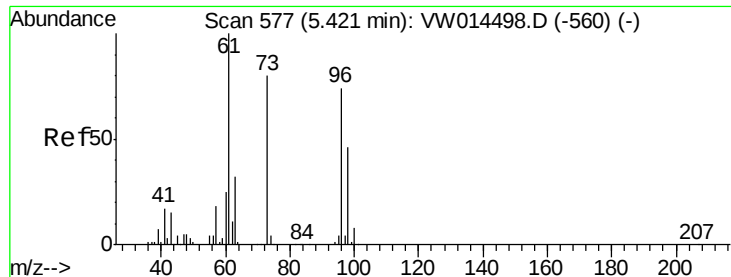
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#20
Methylene Chloride
Concen: 22.519 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	94.4	141.6
51	39.7	29.5	44.3
86	60.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 21.874 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

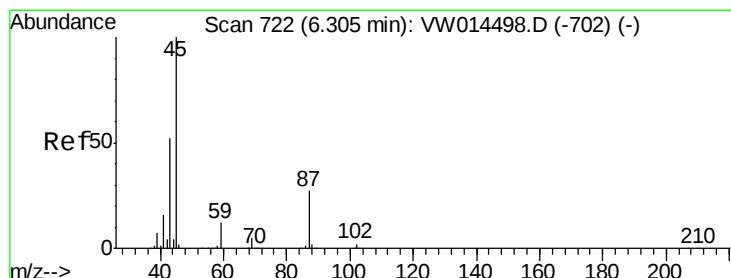
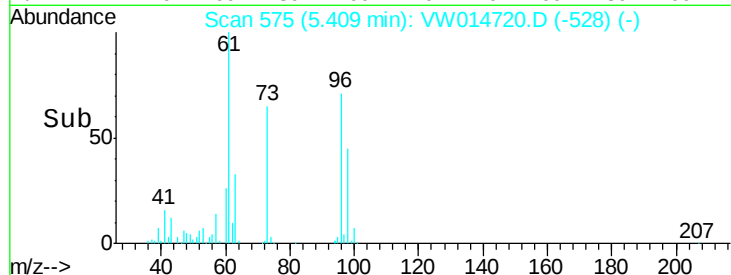
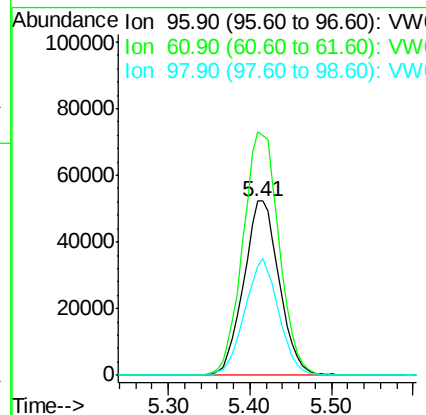
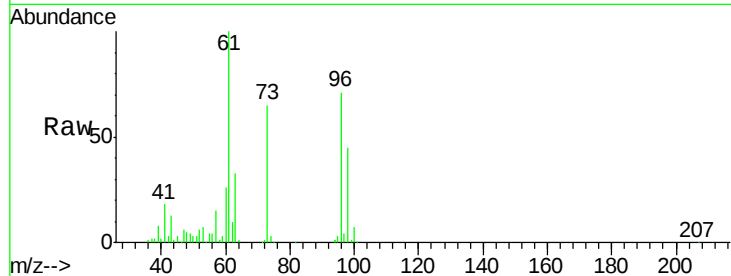
ClientSampleId :

VW0123SBS01

Tot Ion:	96	Resp:	158310
Ion	Ratio	Lower	Upper
96	100		
61	139.9	107.8	161.6
98	63.1	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.240 ug/l

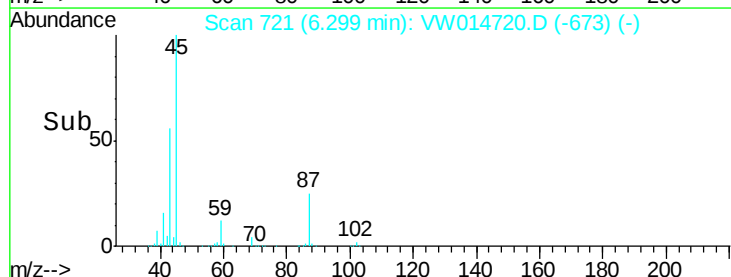
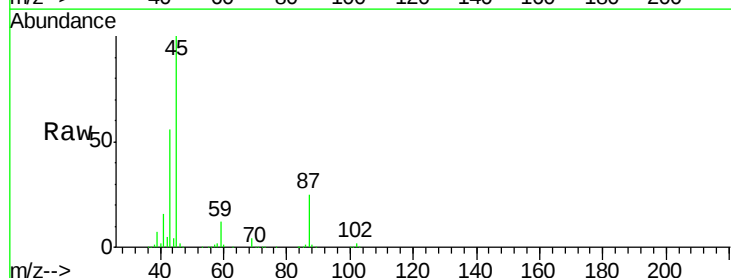
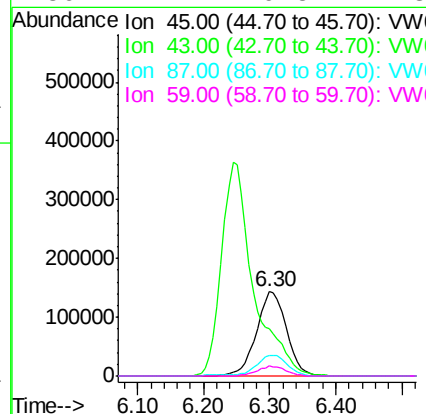
RT: 6.30 min Scan# 721

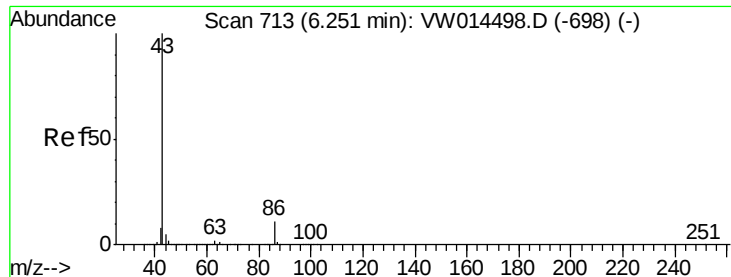
Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion:	45	Resp:	453092
Ion	Ratio	Lower	Upper
45	100		
43	55.7	41.4	62.0
87	24.9	22.2	33.2
59	11.7	9.5	14.3





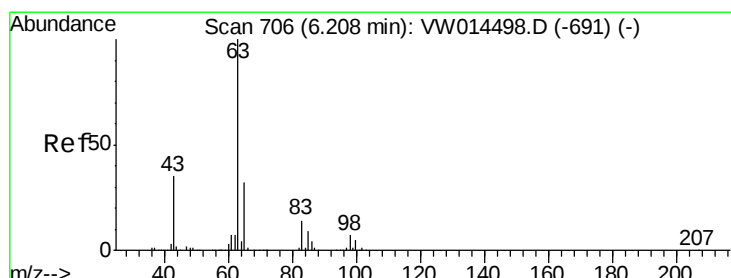
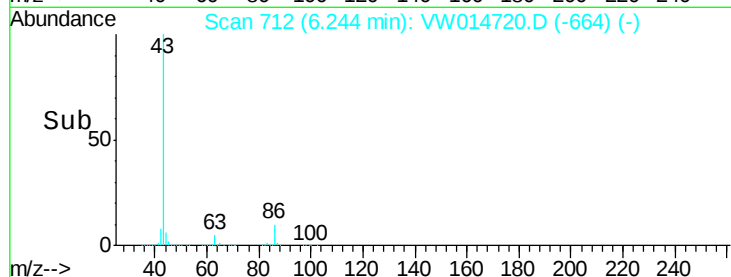
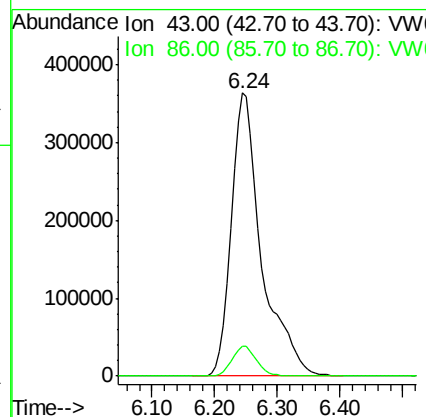
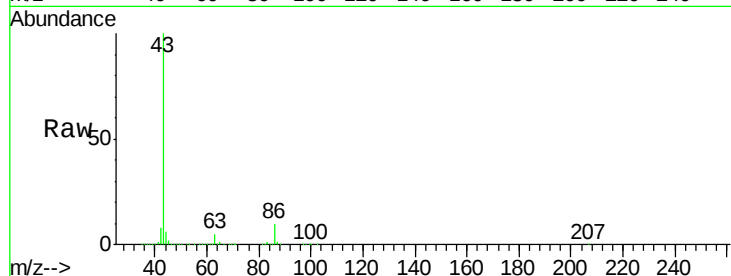
#23
 Vinyl Acetate
 Concen: 102.984 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion: 43 Resp: 1212420
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.8 13.2

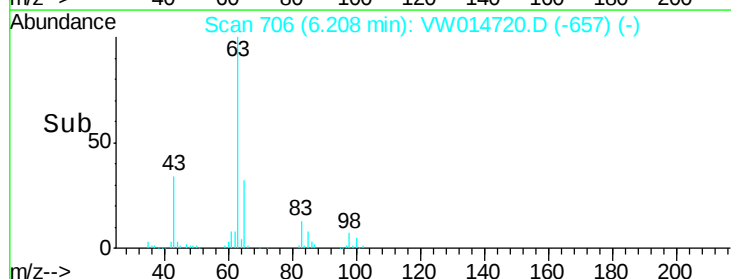
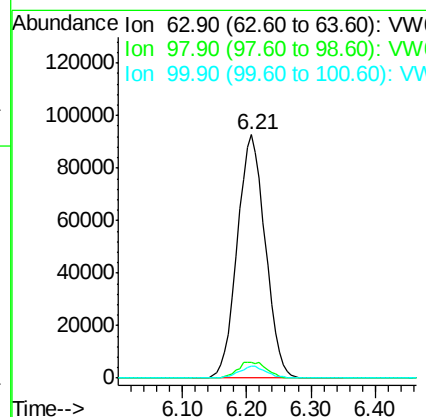
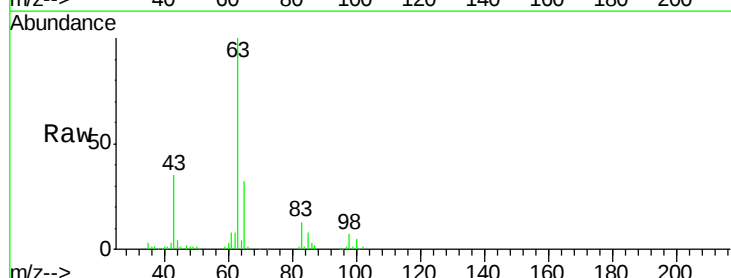
Manual Integrations
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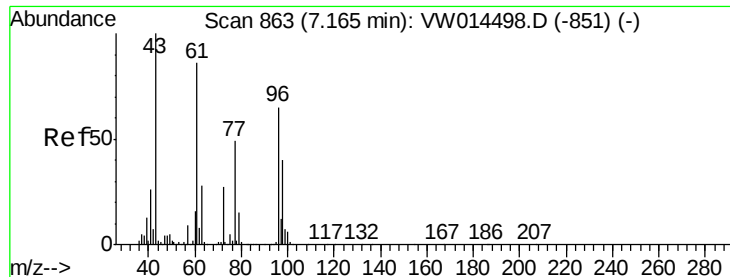
MMDadoda
 1/24/2020 4:02:29 PM



#24
 1,1-Dichloroethane
 Concen: 22.735 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion: 63 Resp: 279592
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 4.9 2.5 7.4





#25

2-Butanone

Concen: 92.727 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion: 43 Resp: 201220

Ion Ratio Lower Upper

43 100

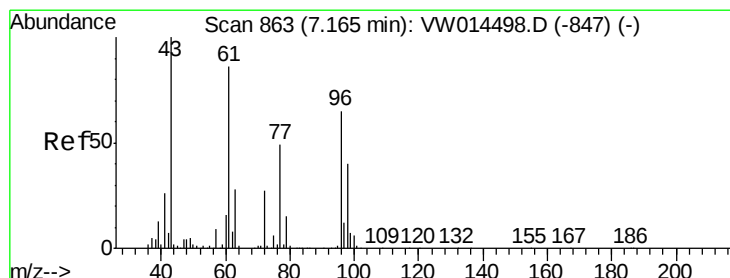
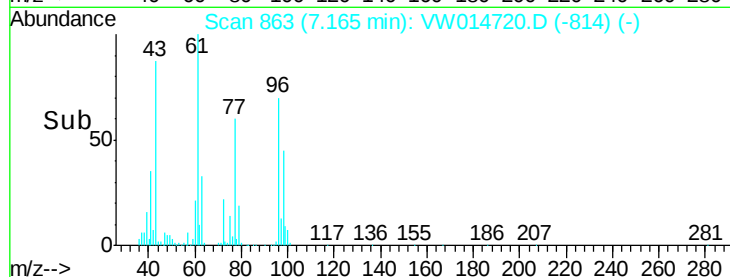
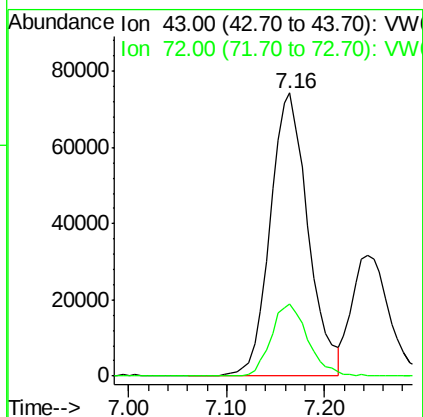
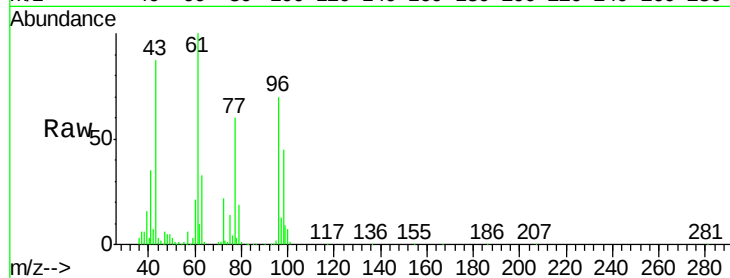
72 25.4 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.049 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014720.D

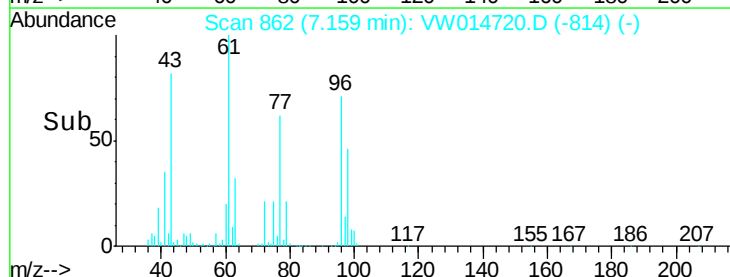
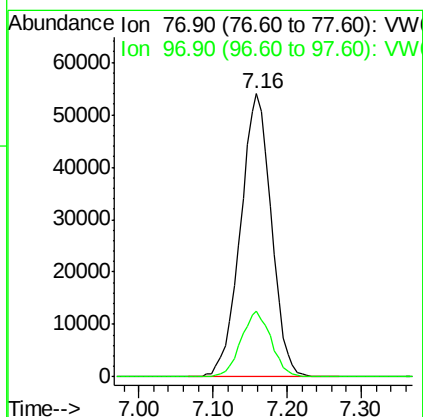
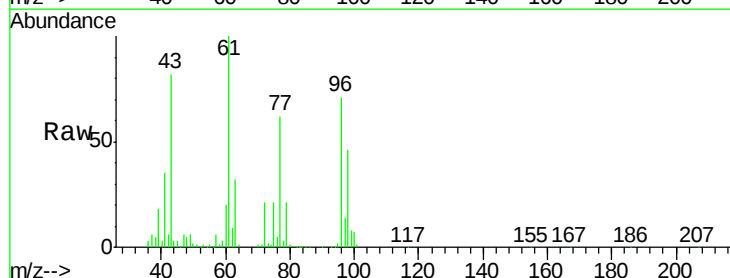
Acq: 23 Jan 2020 12:44

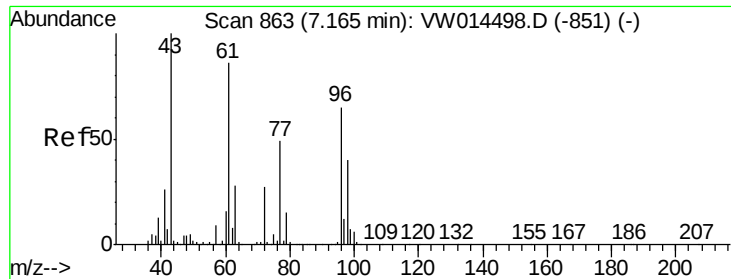
Tgt Ion: 77 Resp: 156933

Ion Ratio Lower Upper

77 100

97 22.6 12.5 37.5





#27

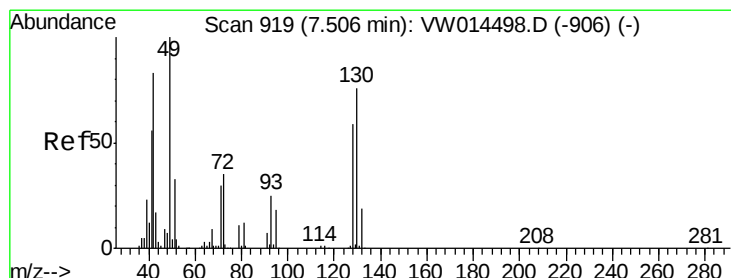
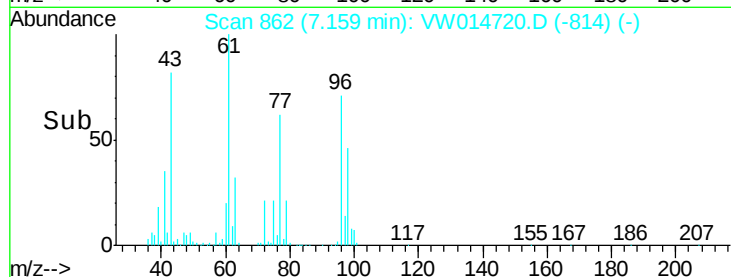
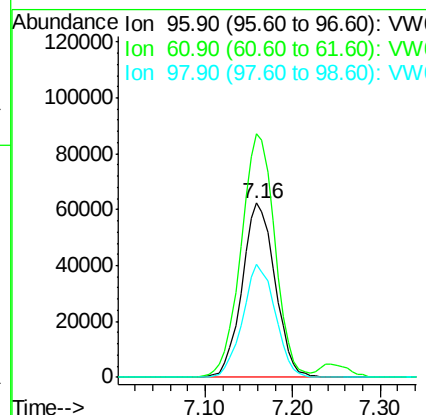
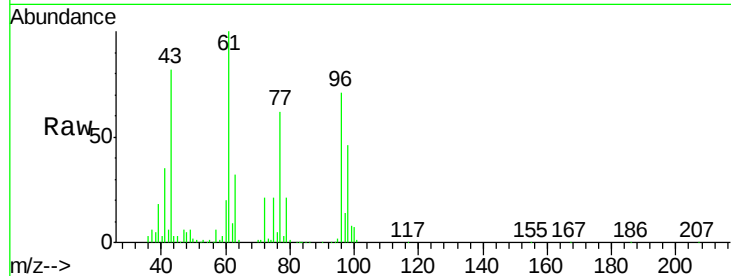
cis-1,2-Dichloroethene
Concen: 21.428 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162957		
61	143.8	0.0	274.8	
98	64.5	0.0	128.6	

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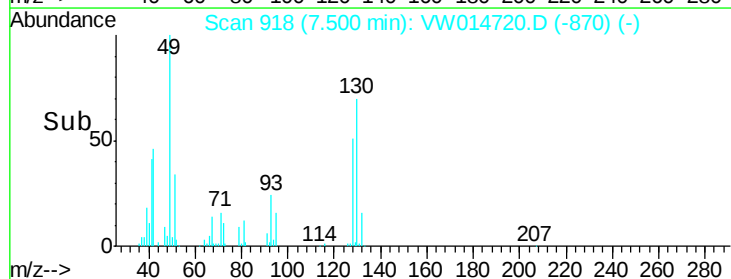
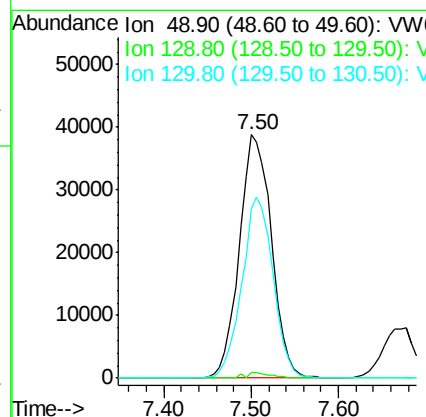
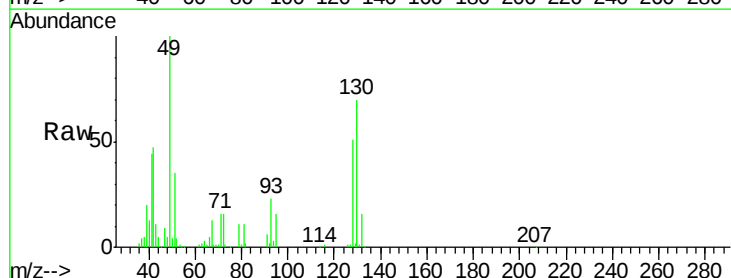
MMDadoda
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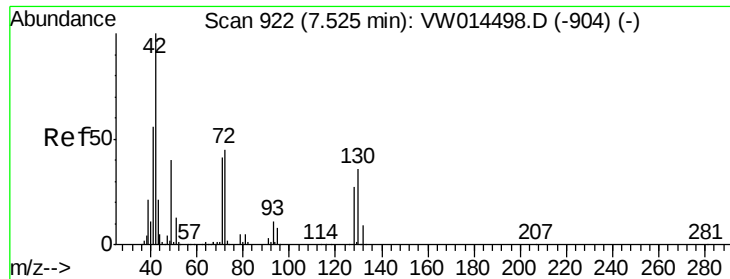


#28

Bromochloromethane
Concen: 20.570 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99178		
129	1.7	0.0	2.0	
130	72.0	62.5	93.7	





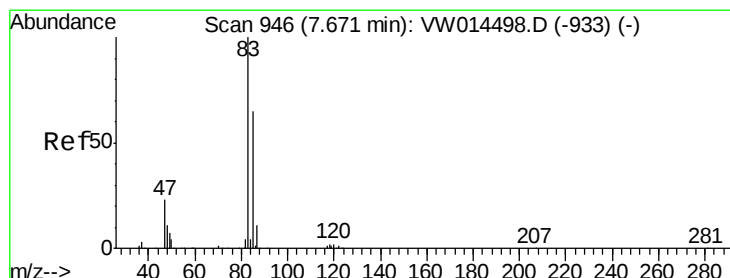
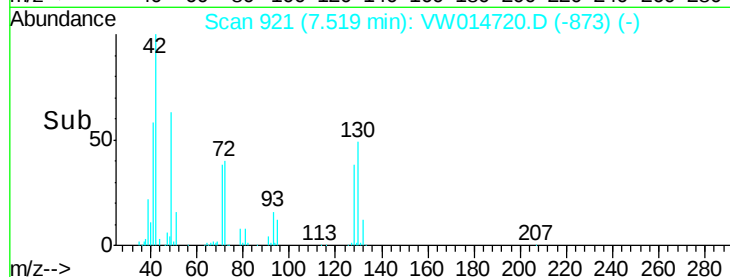
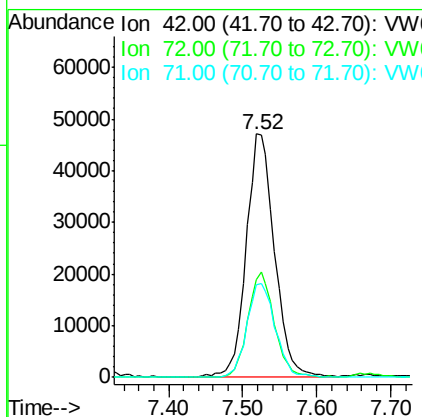
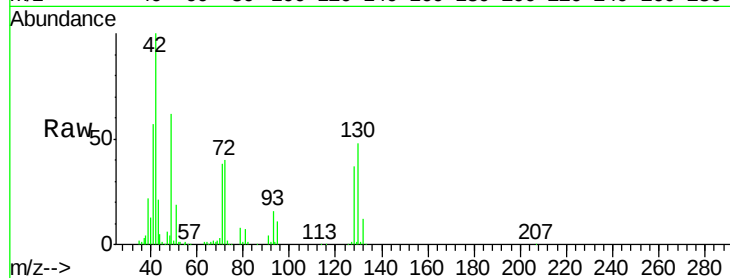
#29
Tetrahydrofuran
Concen: 93.131 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	34.5	51.7
71	38.8	32.0	48.0

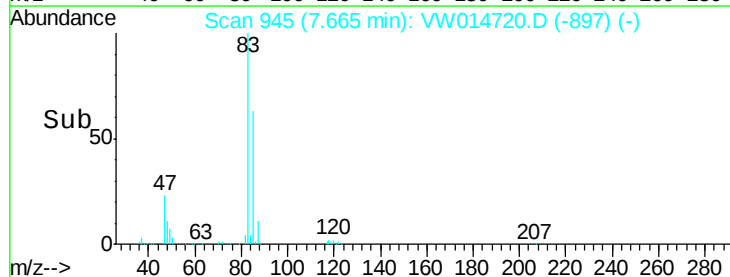
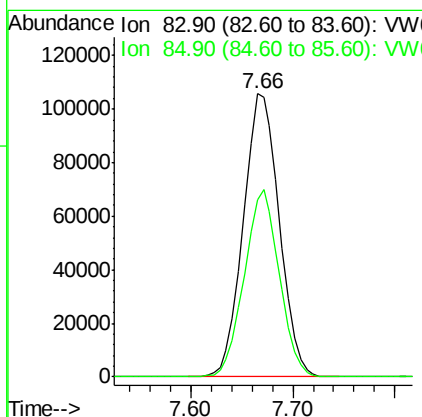
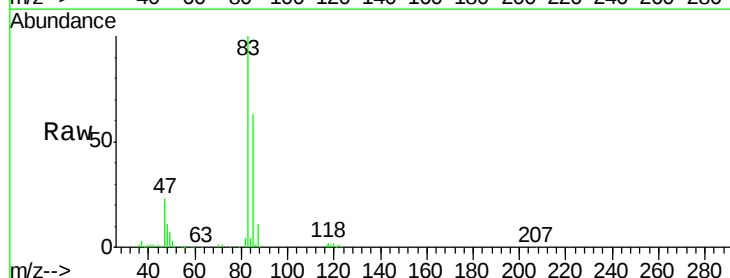
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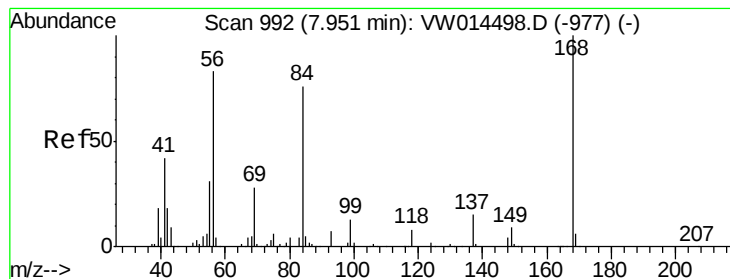
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#30
Chloroform
Concen: 22.525 ug/l
RT: 7.66 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.2





#31

Cyclohexane

Concen: 22.205 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

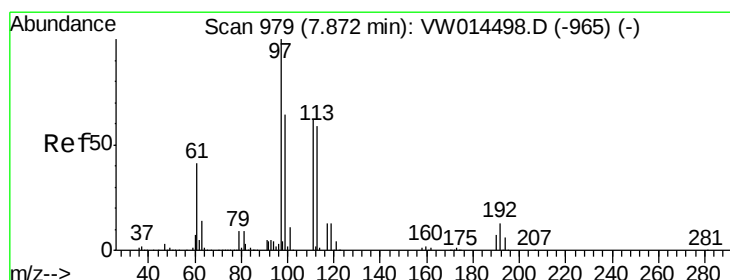
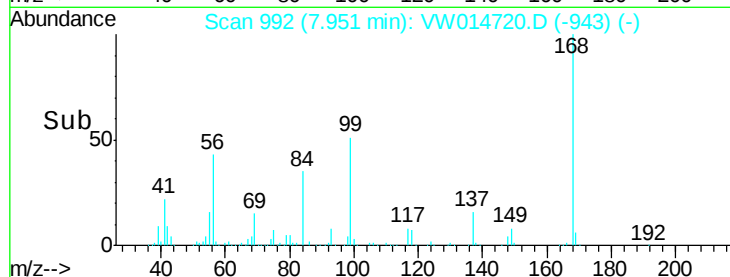
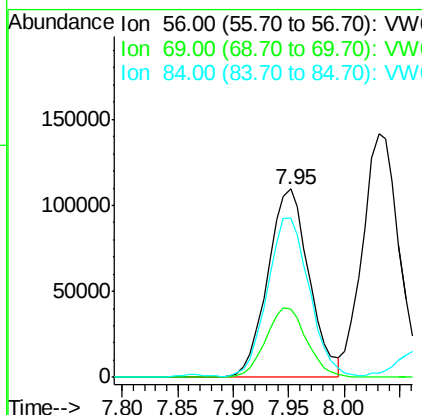
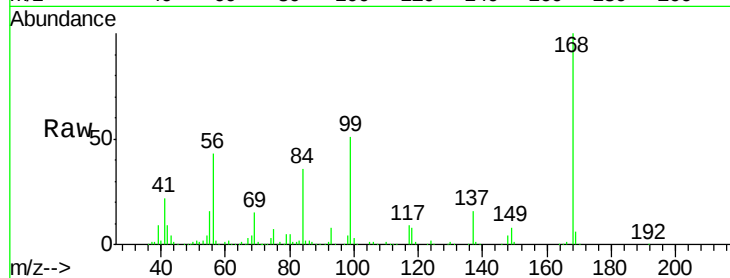
ClientSampleId :

VW0123SBS01

Tot Ion:	56	Resp:	283788
Ion Ratio	Lower	Upper	
56	100		
69	35.9	26.8	40.2
84	83.0	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 23.428 ug/l

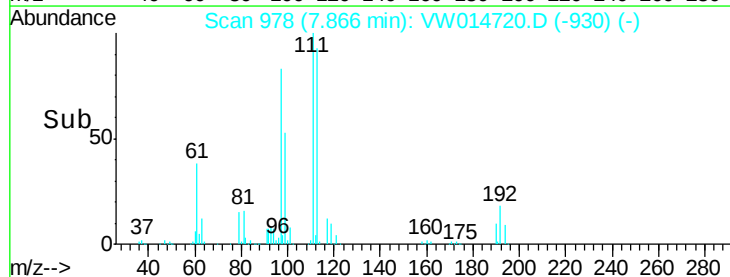
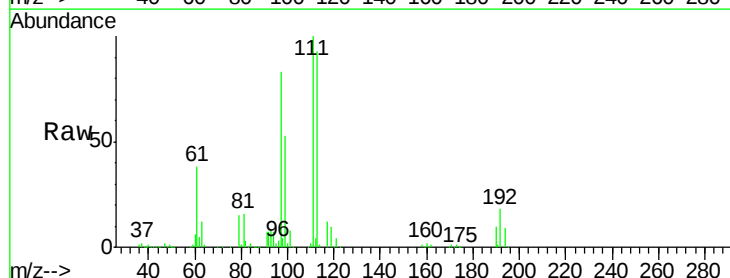
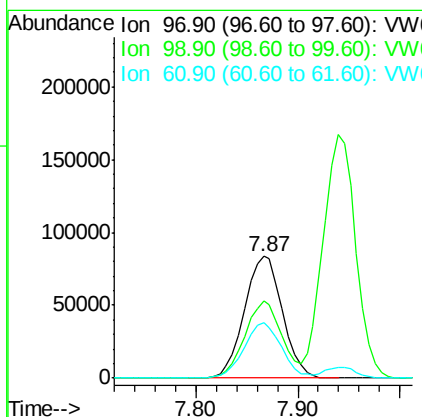
RT: 7.87 min Scan# 978

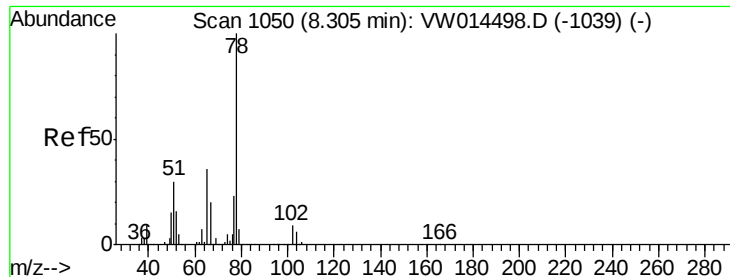
Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion:	97	Resp:	216687
Ion Ratio	Lower	Upper	
97	100		
99	62.2	51.8	77.6
61	44.9	33.8	50.8





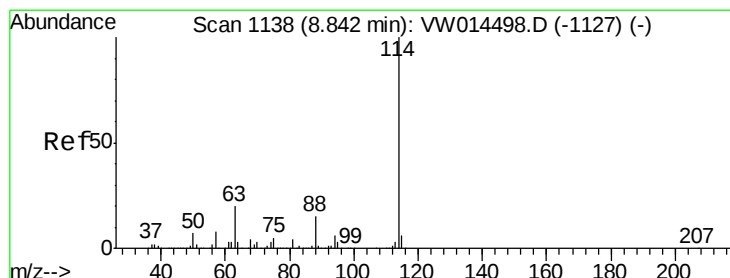
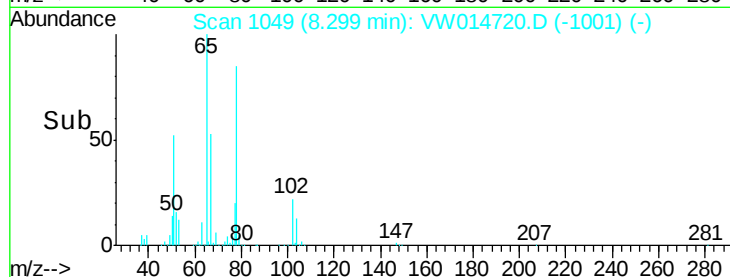
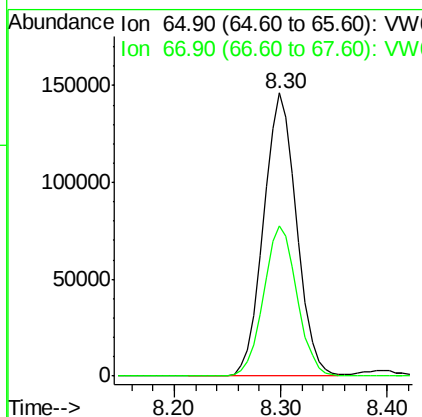
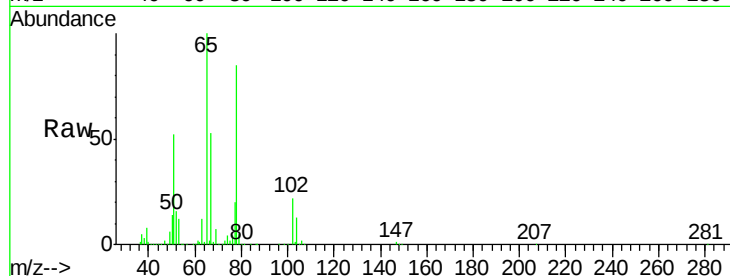
#33
 1,2-Dichloroethane-d4
 Concen: 52.649 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.4	

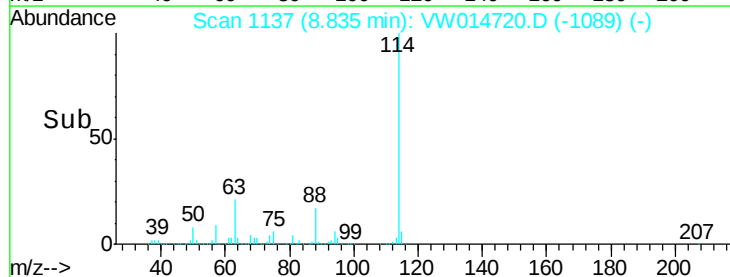
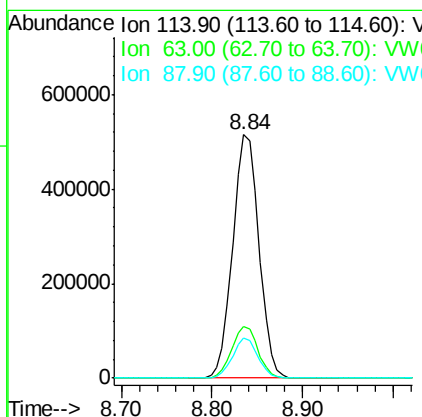
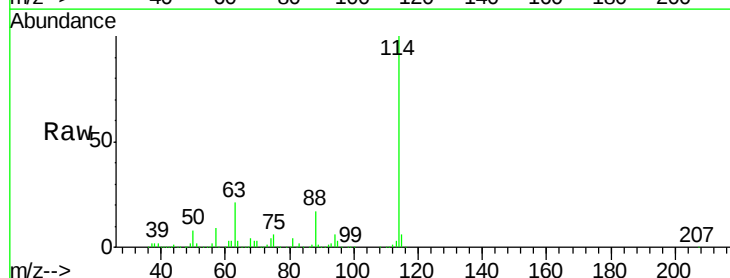
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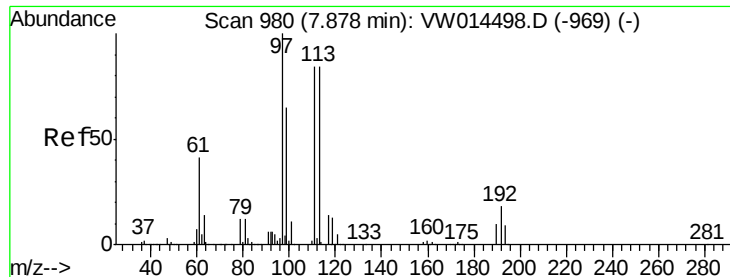
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	40.4	
88	16.6	0.0	30.6	





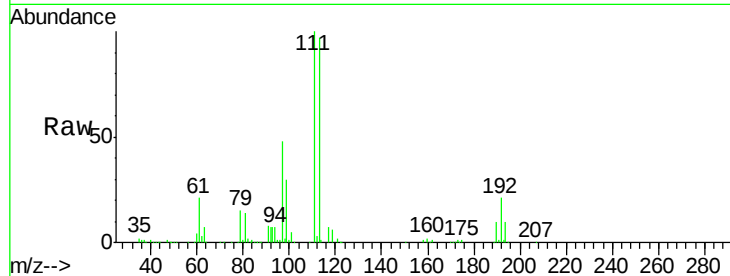
#35
 Dibromofluoromethane
 Concen: 51.726 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

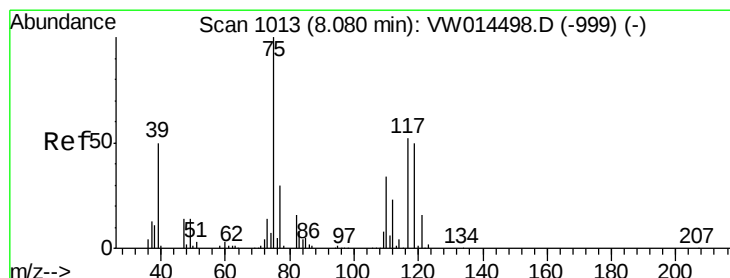
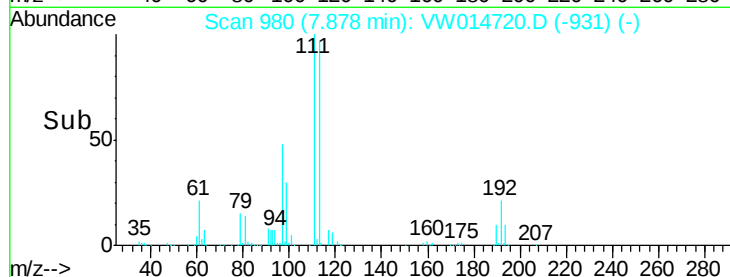
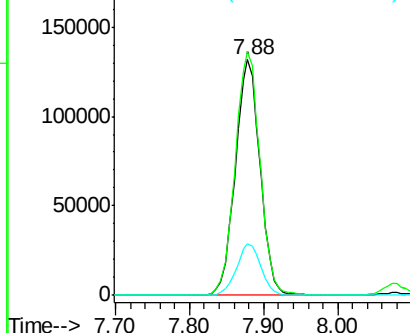
Tot Ion	Ratio	Resp	Lower	Upper
113	100	306407		
111	104.0		81.4	122.2
192	21.6		17.8	26.8

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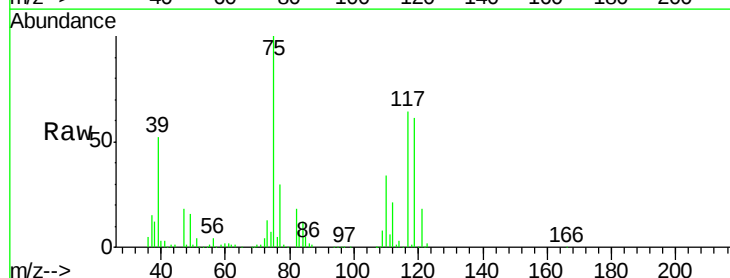


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

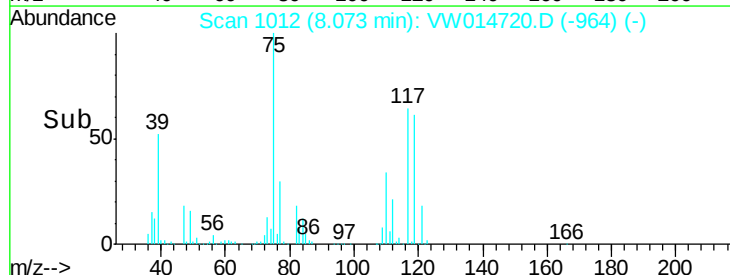
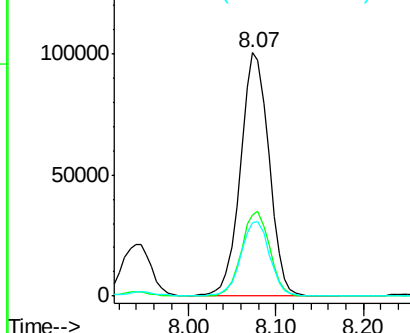


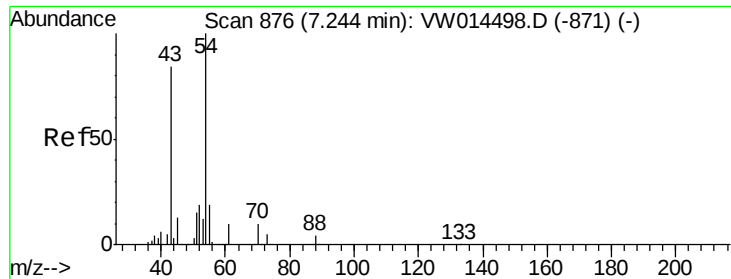
#36
 1,1-Dichloropropene
 Concen: 22.814 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227958		
110	34.2		17.8	53.5
77	30.9		24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





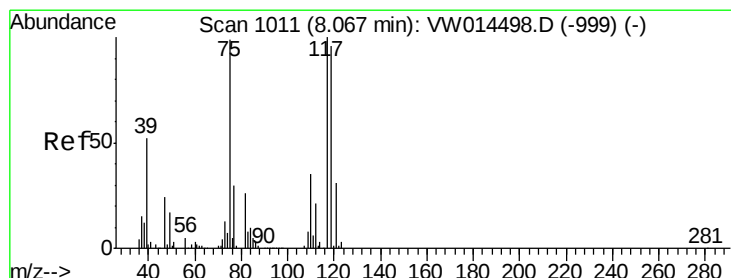
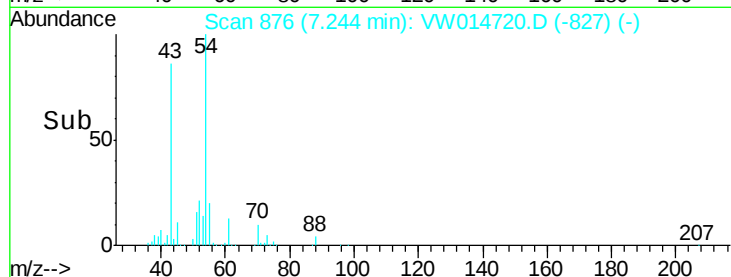
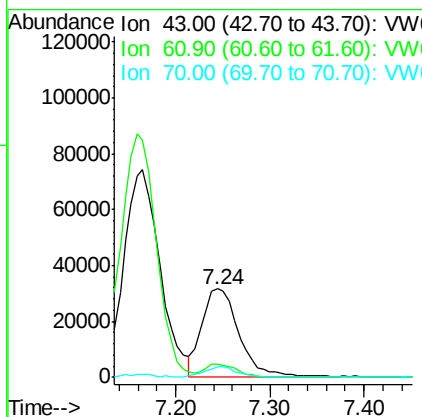
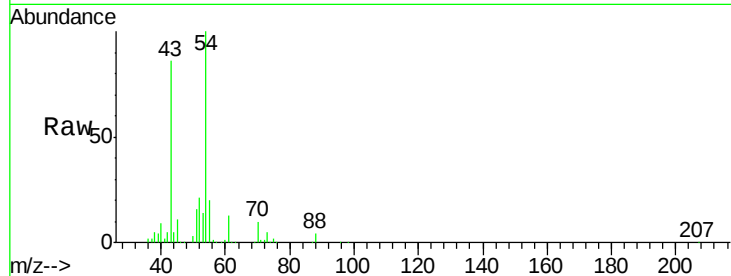
#37
Ethyl Acetate
Concen: 18.843 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	10.8	9.0	13.6

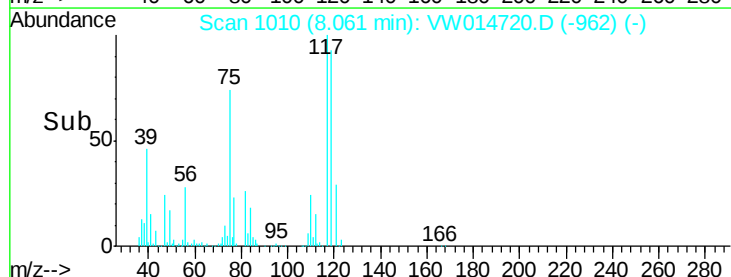
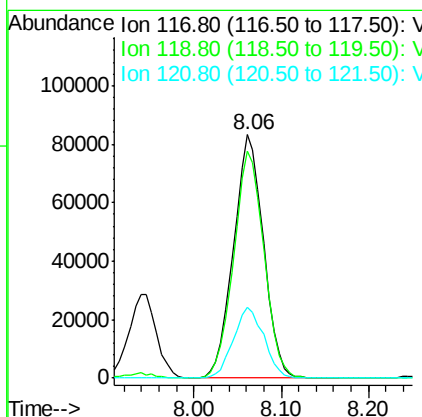
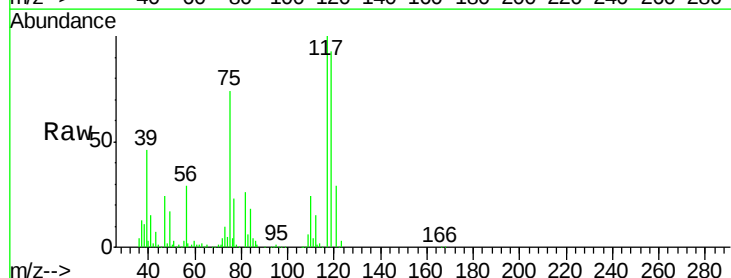
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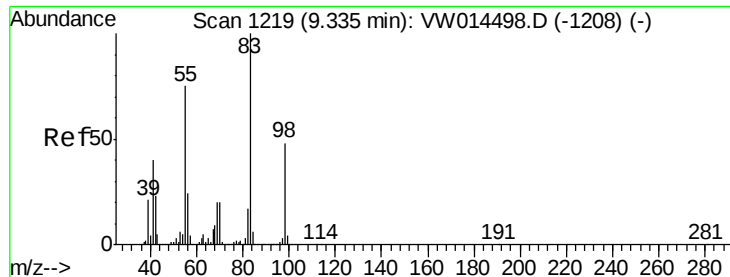
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#38
Carbon Tetrachloride
Concen: 22.853 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.6
121	29.3	24.6	36.8





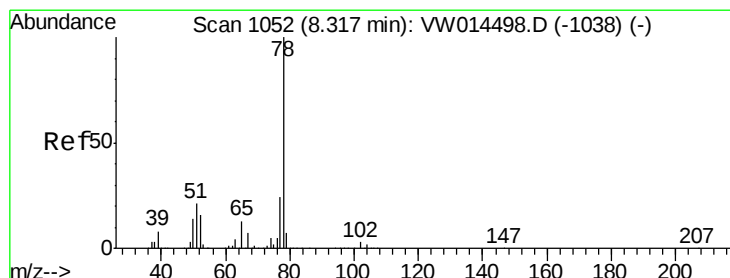
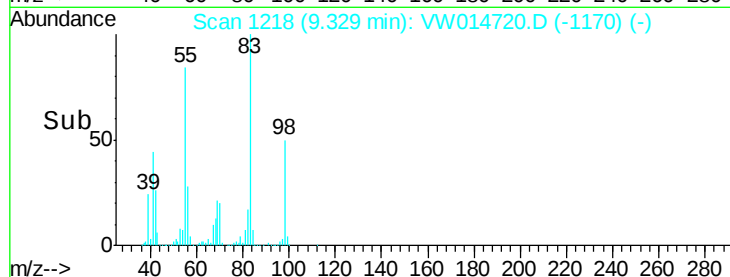
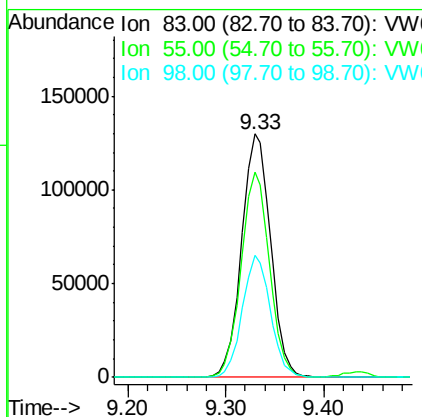
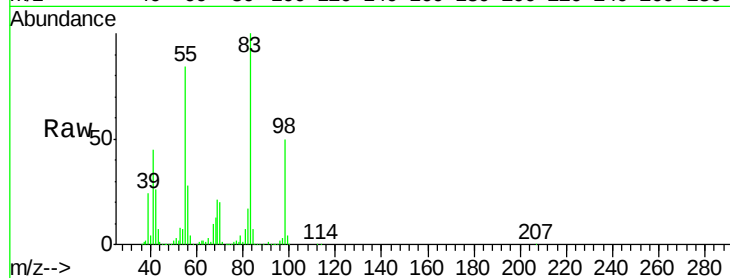
#39
Methvlcvclohexane
Concen: 20.847 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	60.1	90.1
98	50.2	38.8	58.2

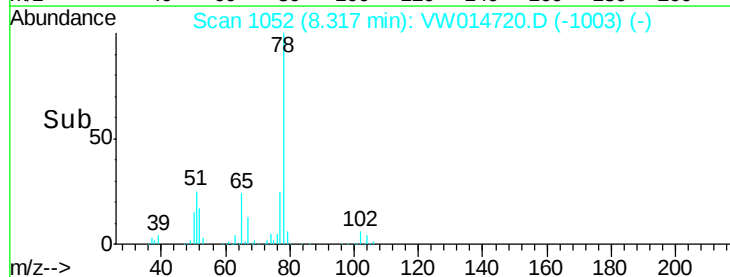
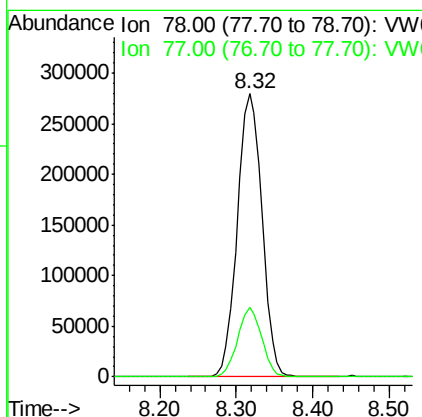
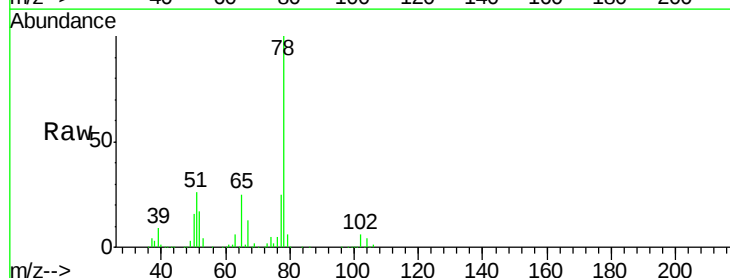
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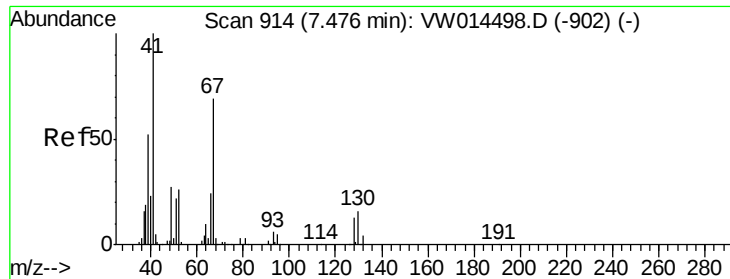
MMDadoda
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#40
Benzene
Concen: 22.248 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9





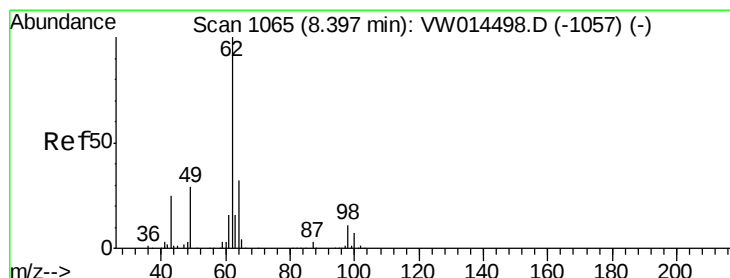
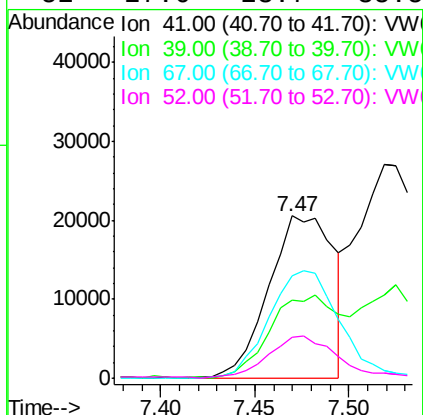
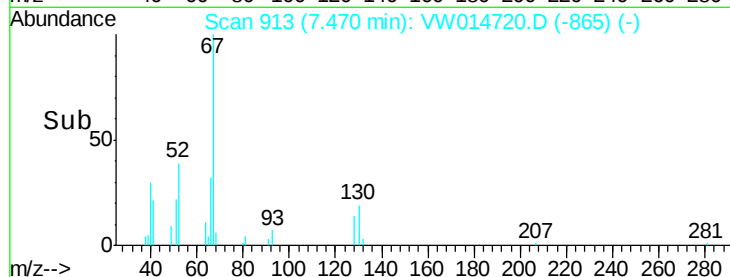
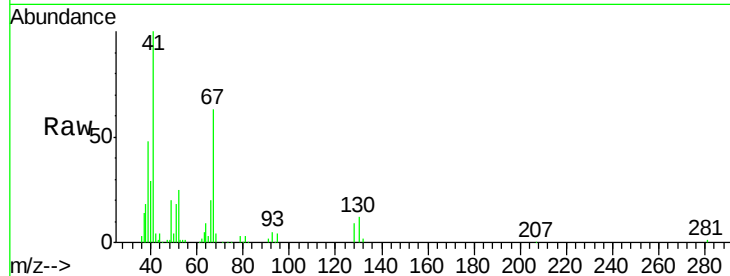
#41
Methacrylonitrile
Concen: 19.428 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	49079		
39	39	57.2		46.0	69.0
67	67	73.4		60.8	91.2
52	52	27.6		23.7	35.5

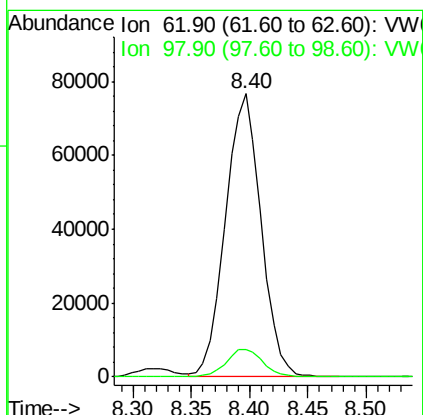
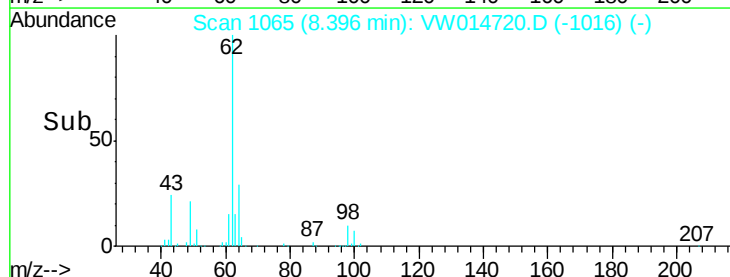
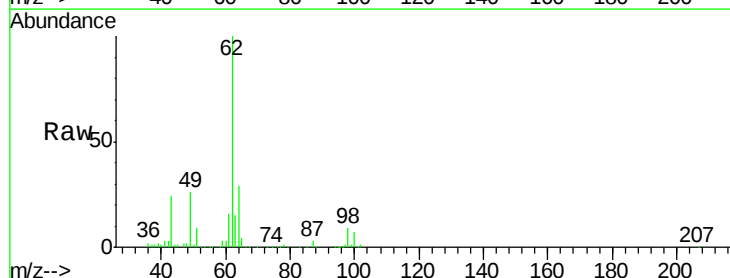
Manual Integrations
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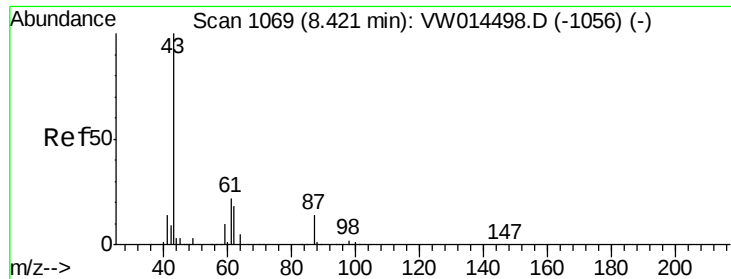
MMDadoda
1/24/2020 4:02:29 PM



#42
1,2-Dichloroethane
Concen: 22.160 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	162577		
98	98	9.9		0.0	22.0





#43

Isopropyl Acetate

Concen: 19.037 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

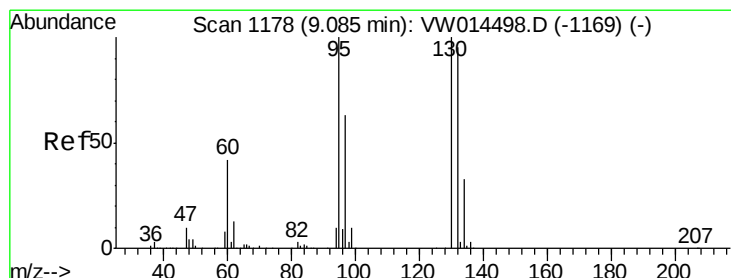
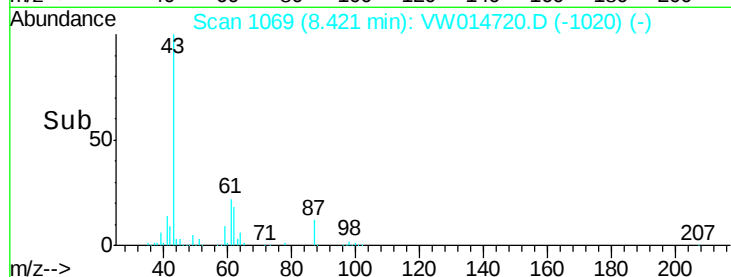
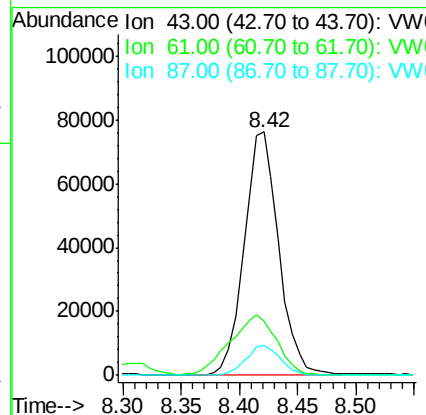
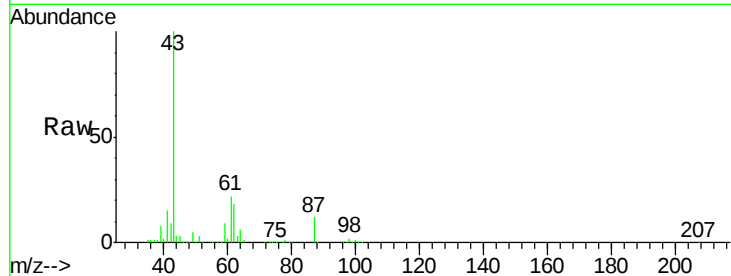
ClientSampleId :

VW0123SBS01

Tot Ion:	43	Resp:	156658
Ion	Ratio	Lower	Upper
43	100		
61	33.0	24.7	37.1
87	12.4	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 21.061 ug/l

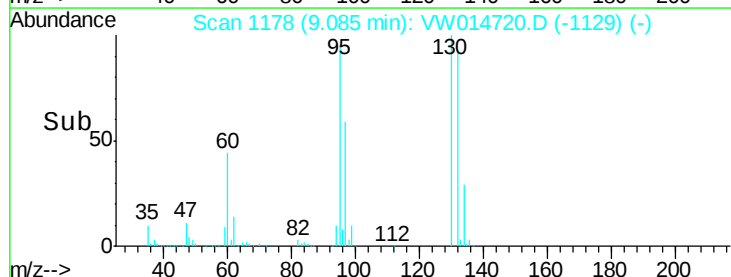
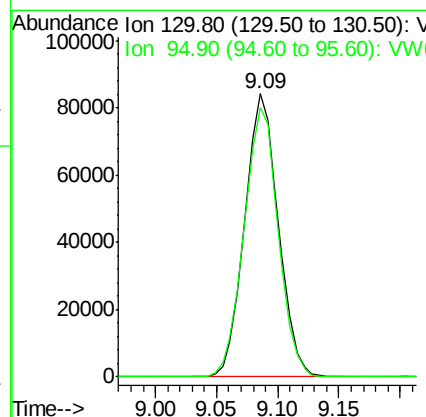
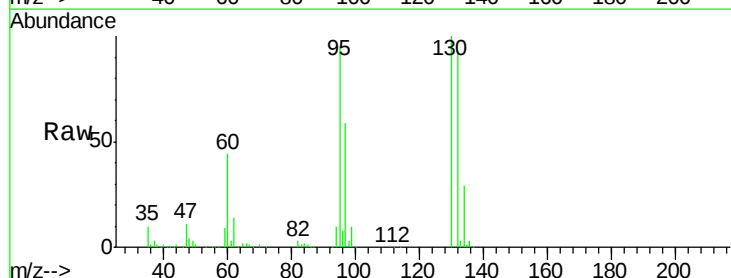
RT: 9.09 min Scan# 1178

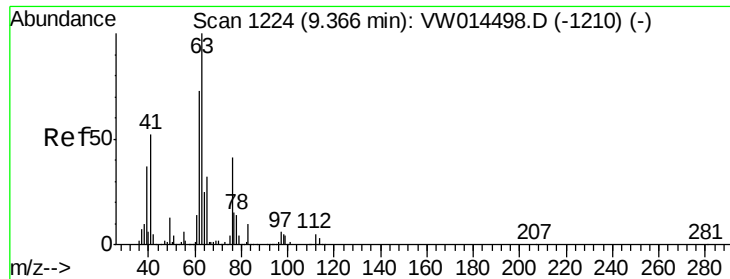
Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion:	130	Resp:	161118
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	199.4





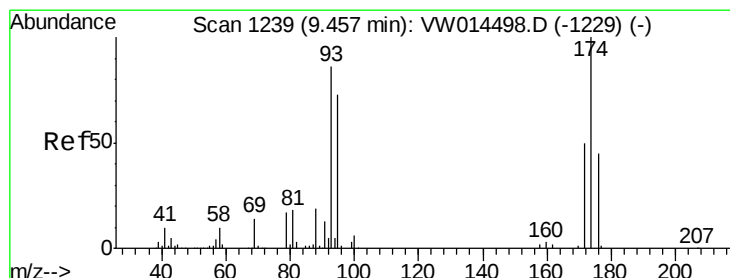
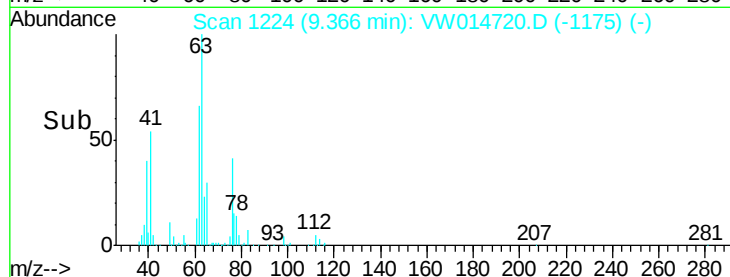
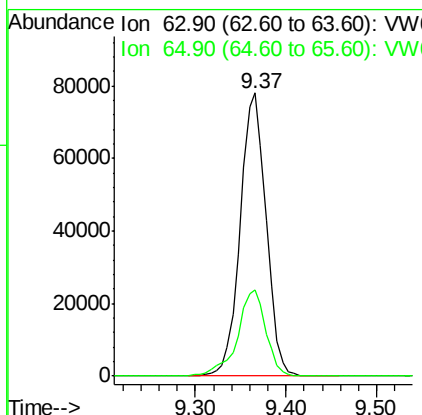
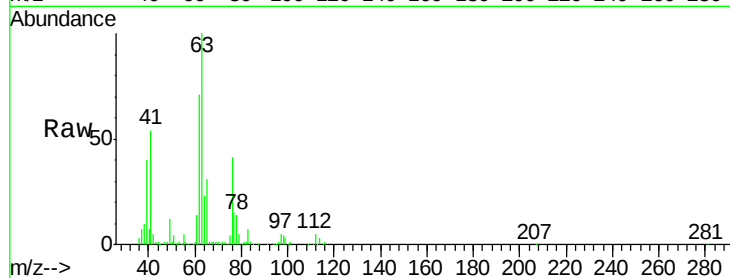
#45
 1,2-Dichloropropane
 Concen: 22.254 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.6	38.4

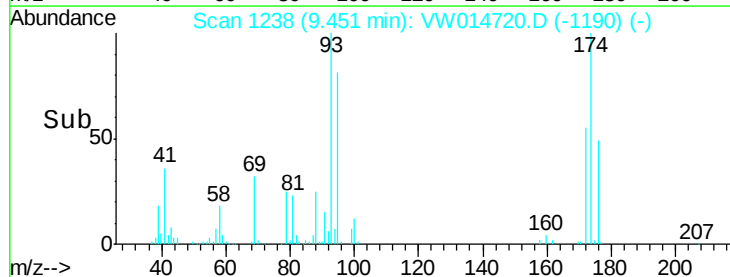
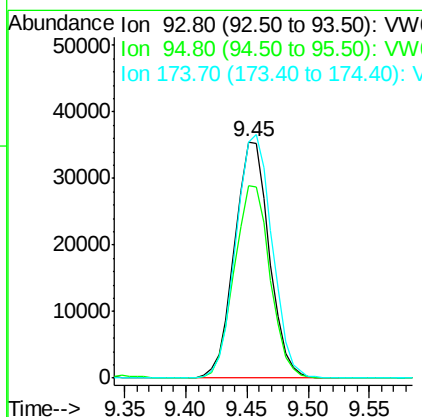
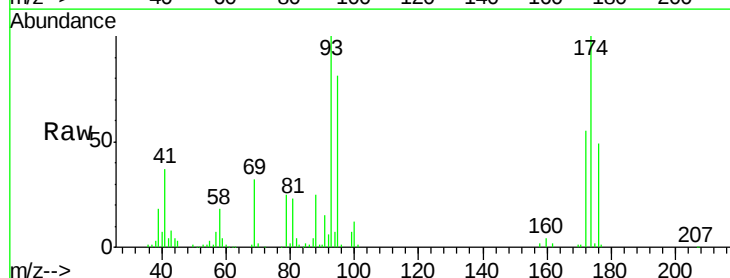
Manual Integrations
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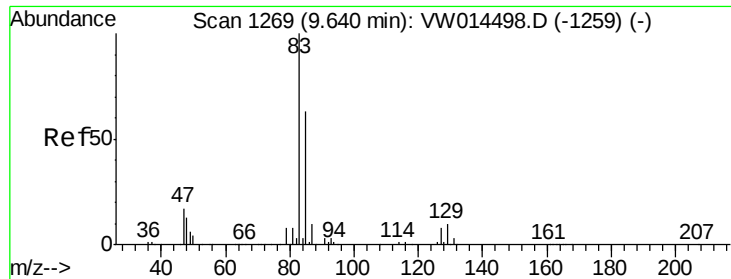
MMDadoda
 1/24/2020 4:02:29 PM



#46
 Dibromomethane
 Concen: 20.414 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.4	99.6
174	107.6	89.1	133.7





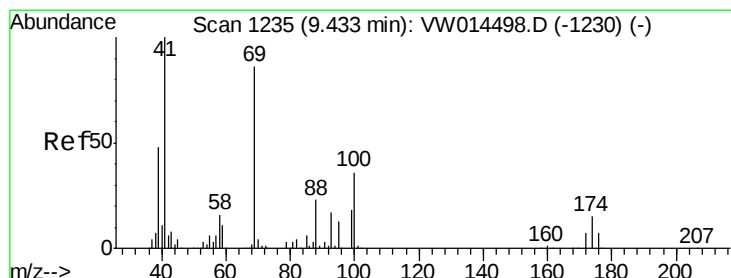
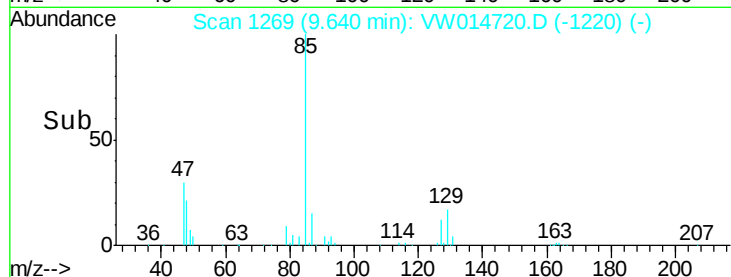
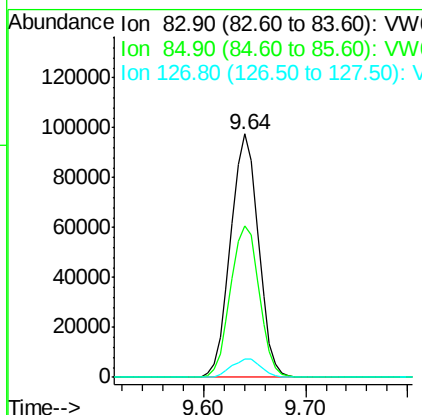
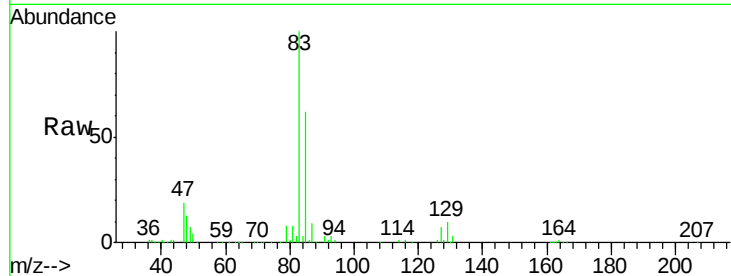
#47
Bromodichloromethane
Concen: 21.791 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	83	Resp	184250
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	50.6	76.0
127	7.5	6.6	9.8

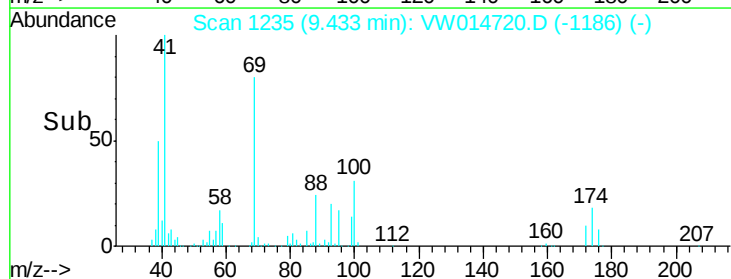
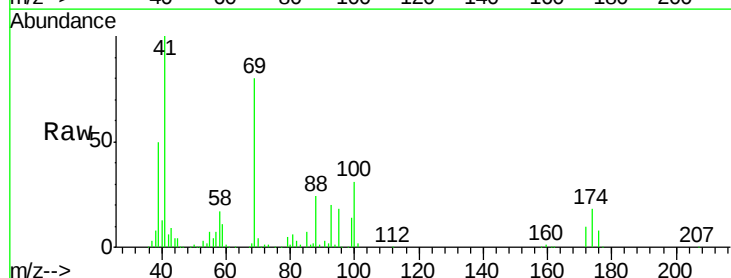
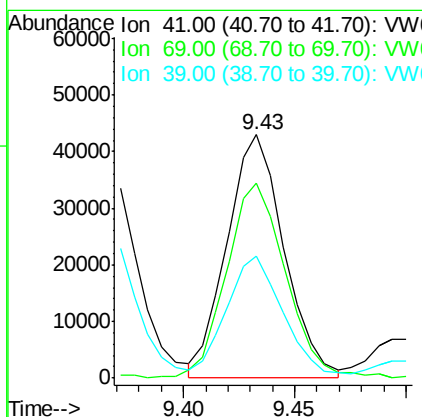
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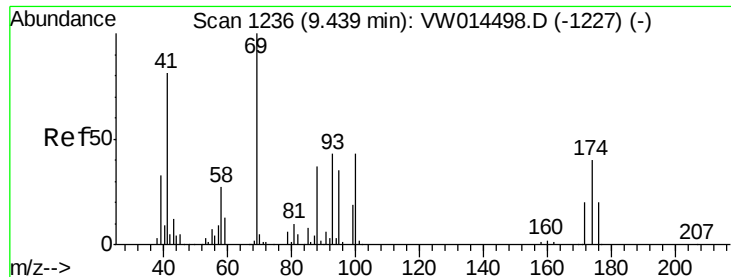
MMDadoda
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#48
Methyl methacrylate
Concen: 19.000 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	41	Resp	76337
Ion Ratio	100	Lower	Upper
41	100		
69	82.8	68.3	102.5
39	46.3	36.8	55.2





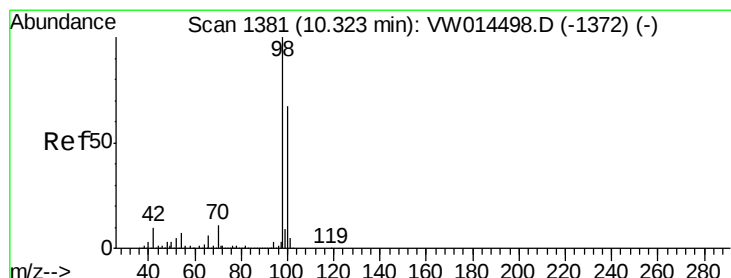
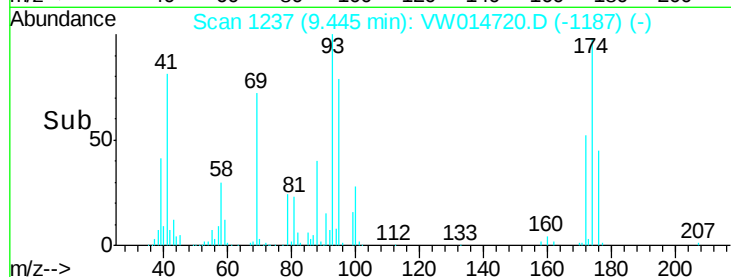
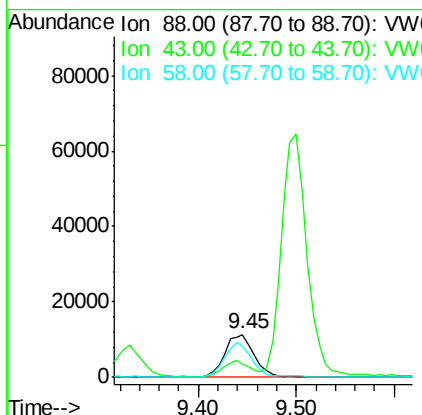
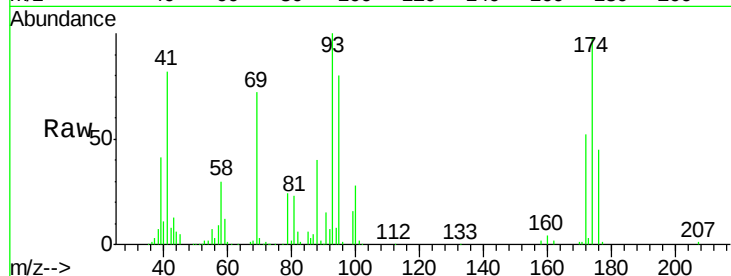
#49
1,4-Dioxane
Concen: 373.611 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	88	Resp	23932
Ion	Ratio	Lower	Upper
88	100		
43	34.1	24.9	37.3
58	77.8	56.9	85.3

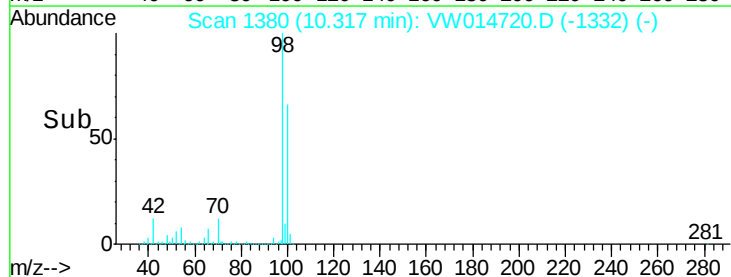
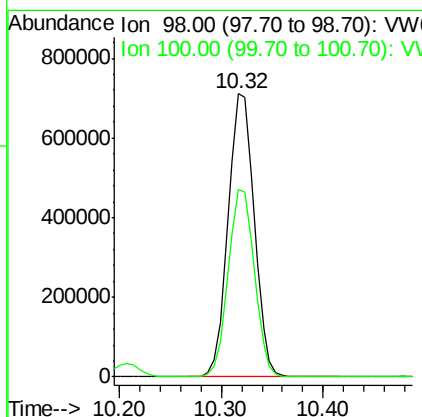
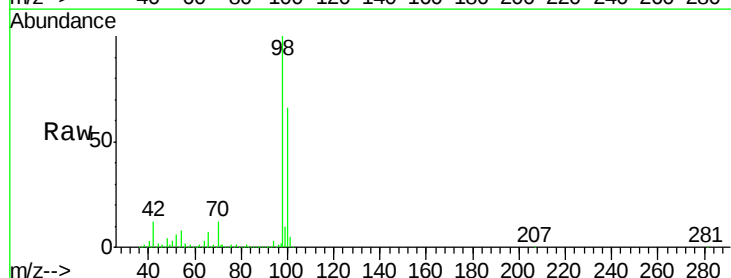
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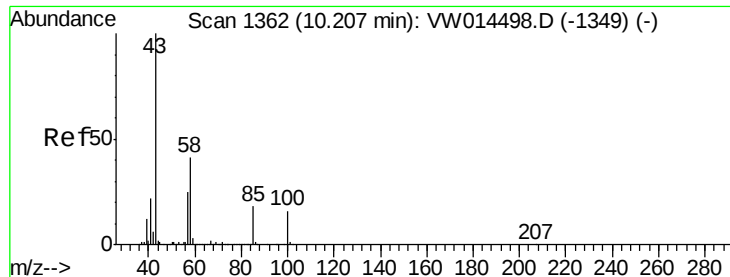
MMDadoda
1/24/2020 4:02:29 PM



#50
Toluene-d8
Concen: 50.837 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	98	Resp	1256732
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.8	80.6





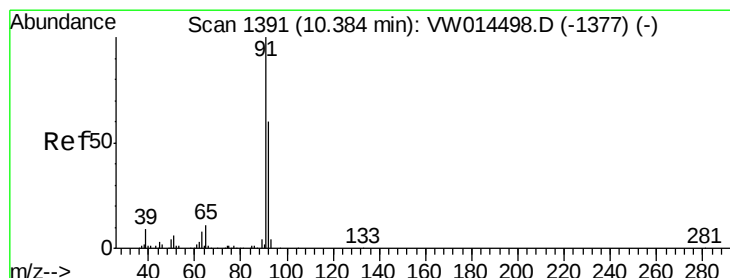
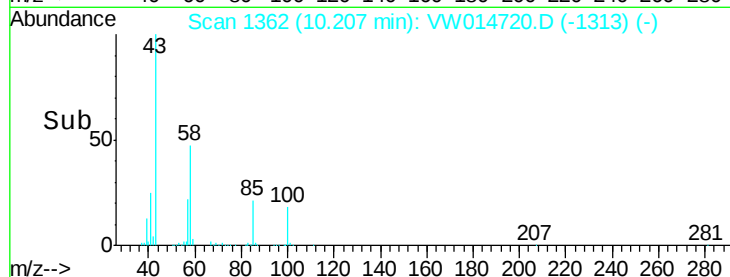
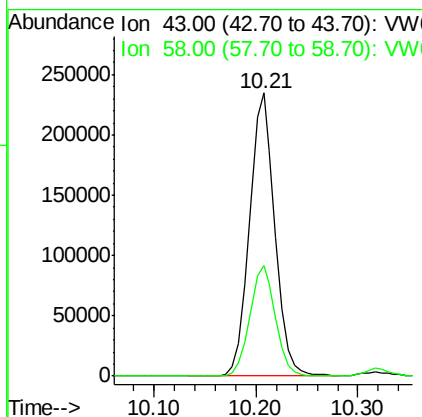
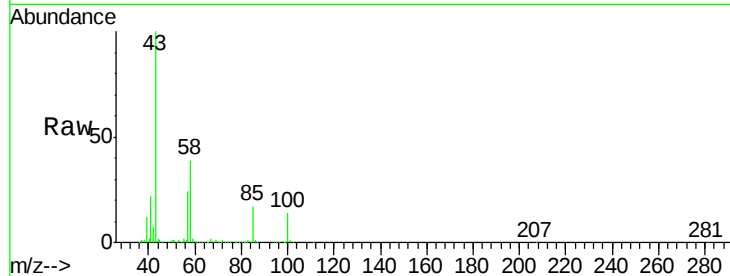
#51
4-Methyl-2-Pentanone
Concen: 94.746 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	43	Resp	404887
Ion Ratio	100	Lower	Upper
43	100		
58	39.5	32.7	49.1

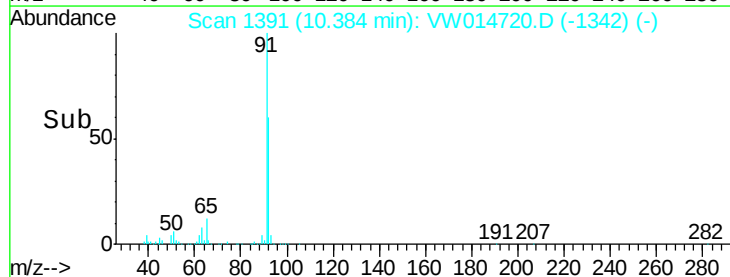
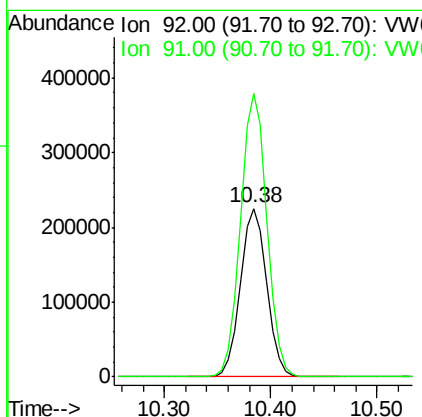
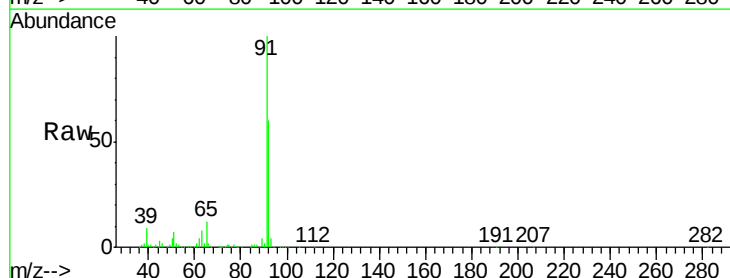
Manual Integrations
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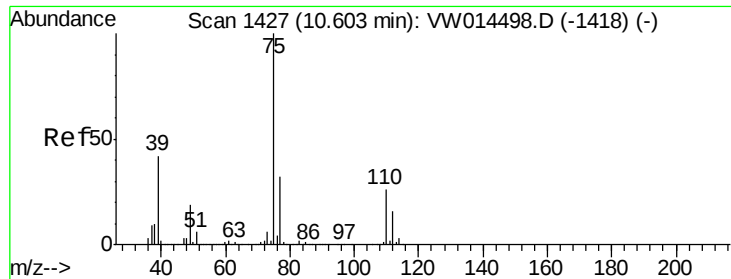
MMDadoda
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#52
Toluene
Concen: 21.932 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	92	Resp	390076
Ion Ratio	100	Lower	Upper
92	100		
91	169.0	134.1	201.1





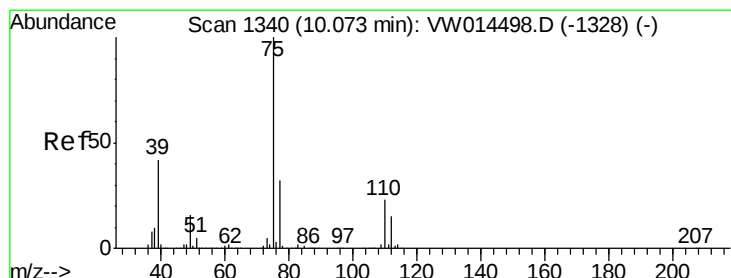
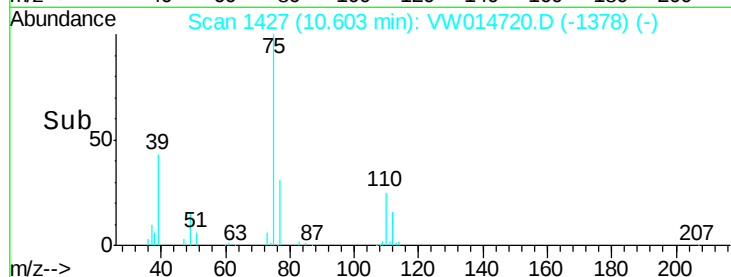
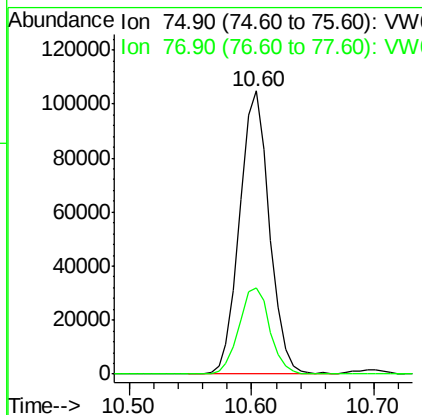
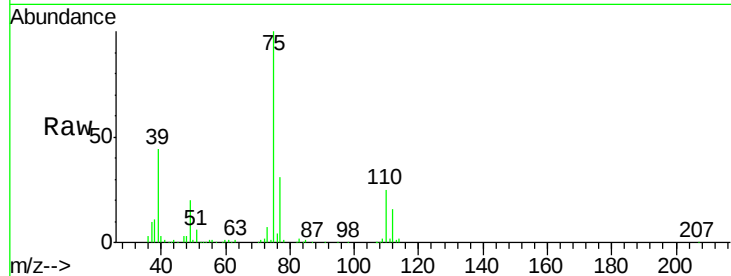
#53
t-1,3-Dichloropropene
Concen: 20.235 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion: 75 Resp: 177148
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.2

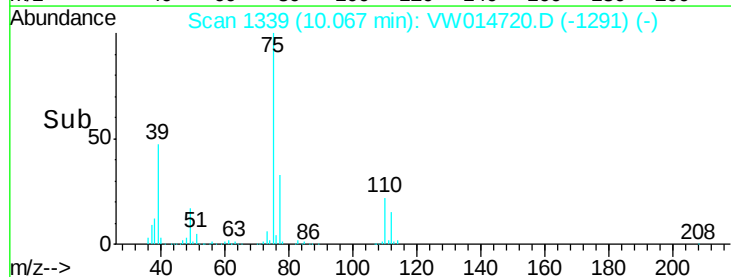
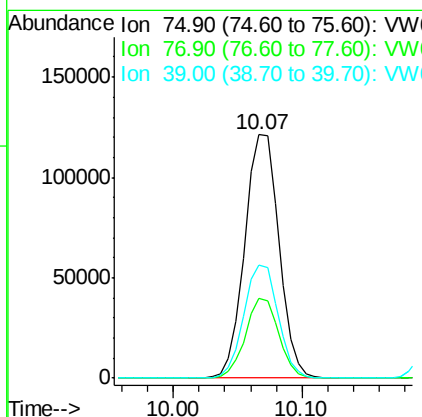
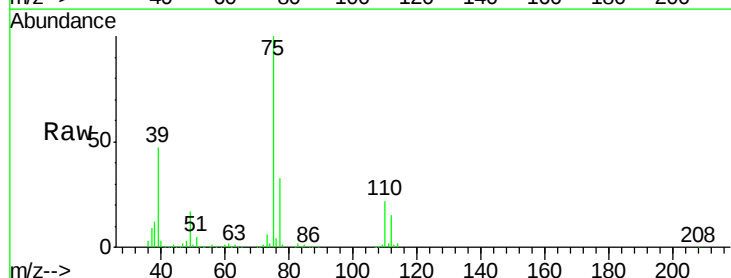
Manual Integrations
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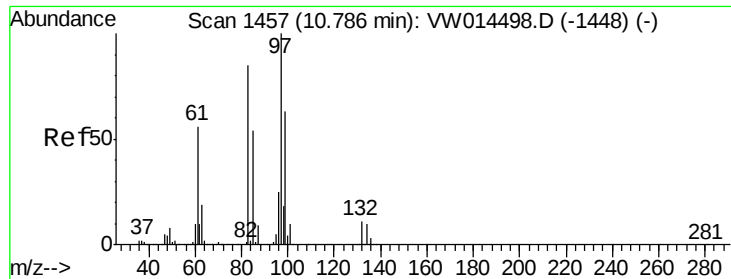
MMDadoda
1/24/2020 4:02:29 PM



#54
cis-1,3-Dichloropropene
Concen: 20.842 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion: 75 Resp: 223002
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 46.5 33.4 50.2





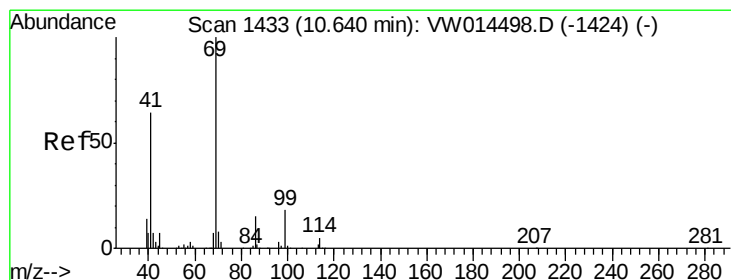
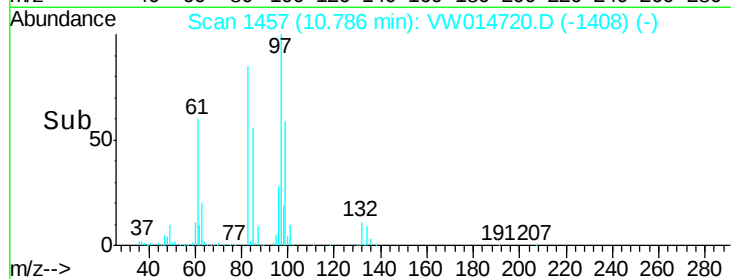
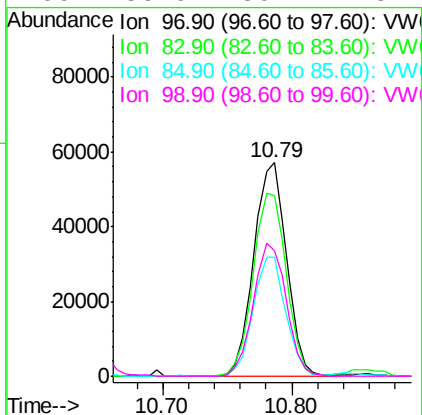
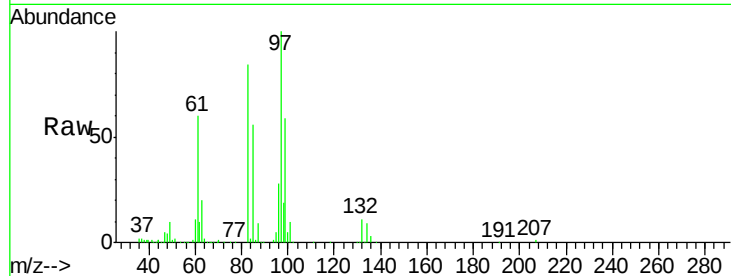
#55
 1,1,2-Trichloroethane
 Concen: 20.081 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100443		
83	84.3	68.2	102.4		
85	55.7	43.0	64.4		
99	58.9	50.1	75.1		

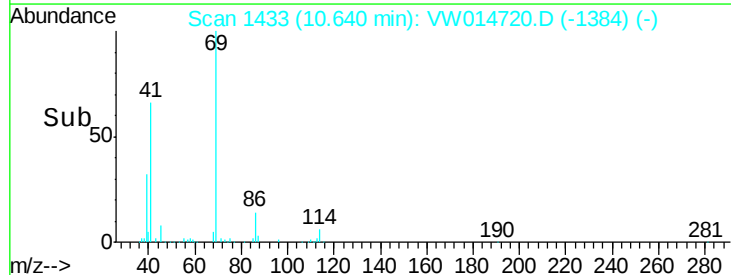
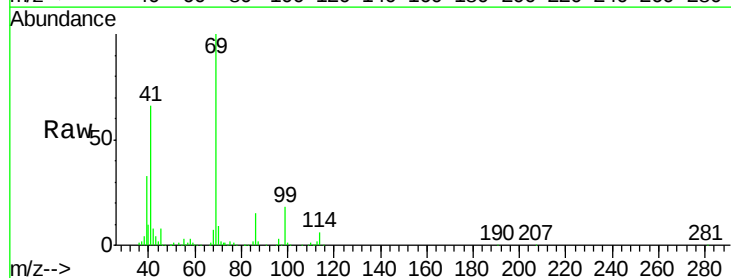
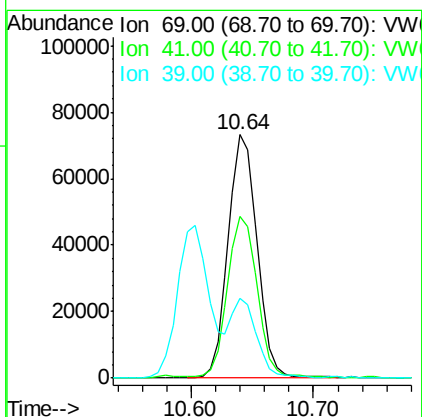
Manual Integrations
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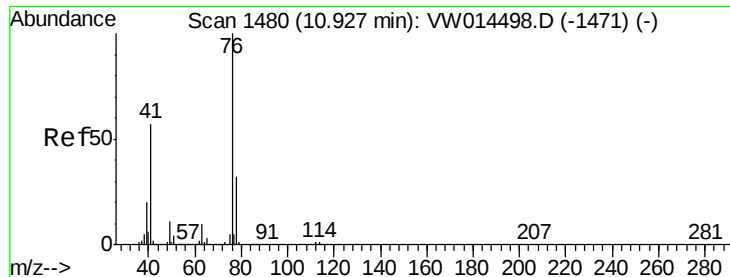
MMDadoda
 1/24/2020 4:02:29 PM



#56
 Ethyl methacrylate
 Concen: 18.522 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		120403		
41	66.4	51.3	76.9		
39	27.6	21.0	31.6		





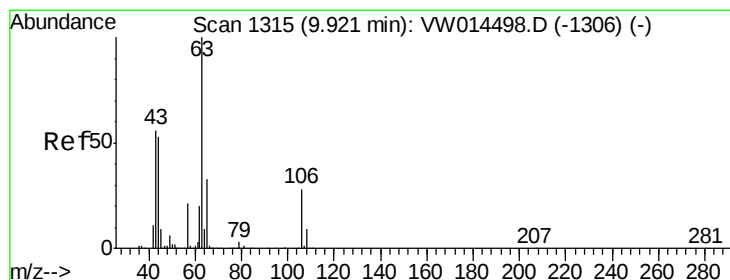
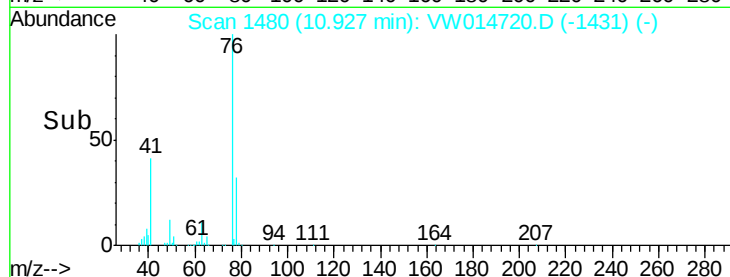
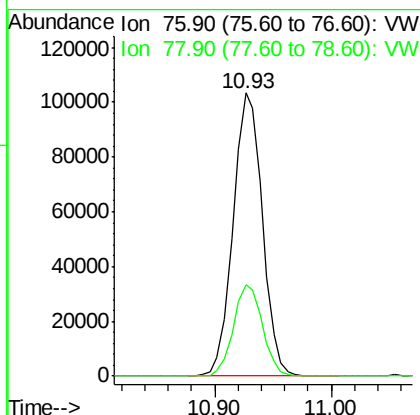
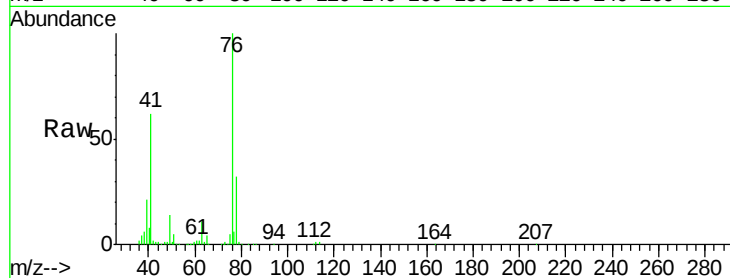
#57
 1,3-Dichloropropane
 Concen: 20.572 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

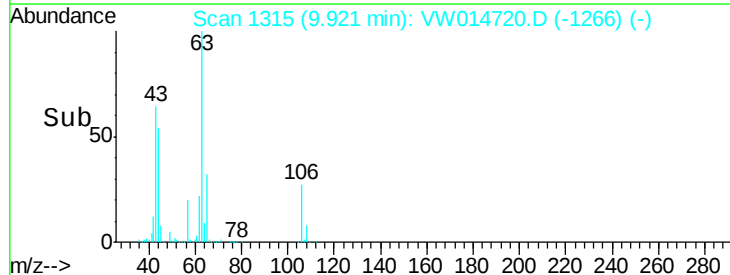
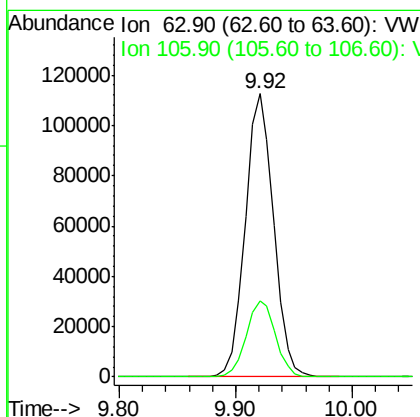
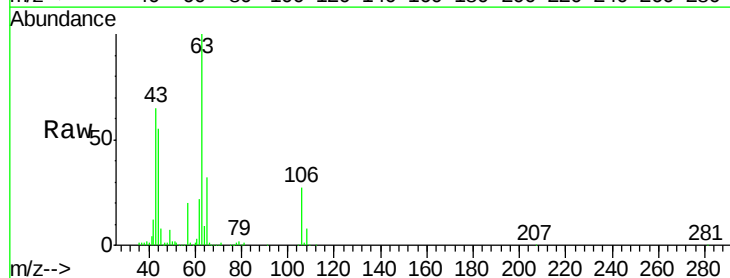
Manual Integrations
 APPROVED

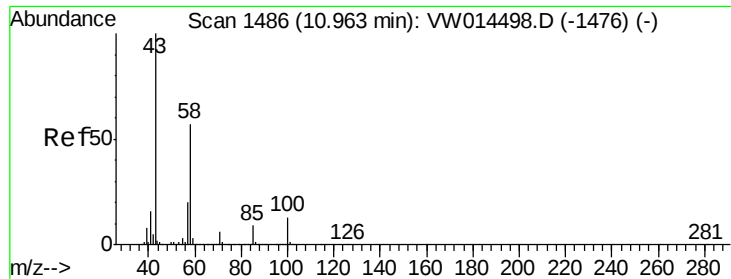
MMDadoda
 1/24/2020 4:02:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.780 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	23.0	34.6





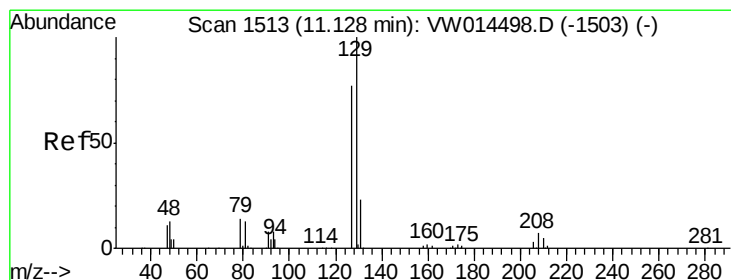
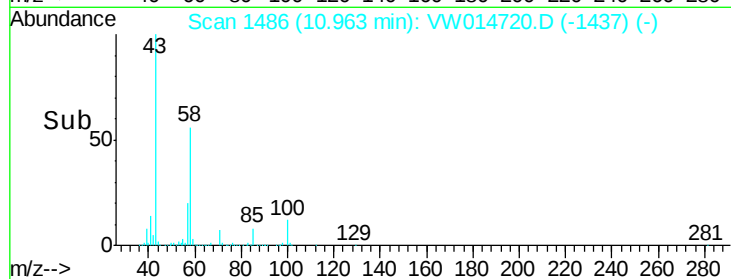
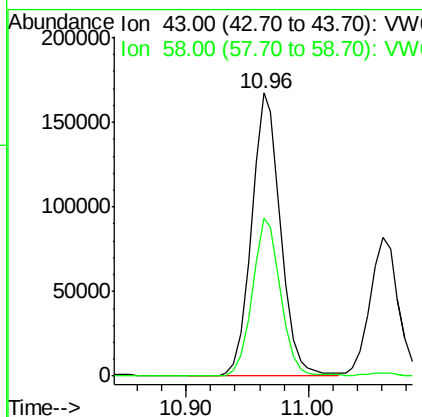
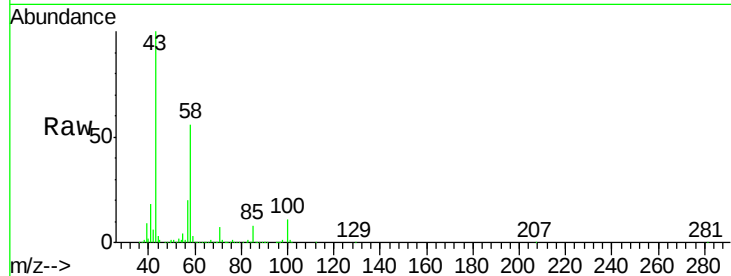
#59
2-Hexanone
Concen: 93.411 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion: 43 Resp: 275074
Ion Ratio Lower Upper
43 100
58 54.6 28.7 86.3

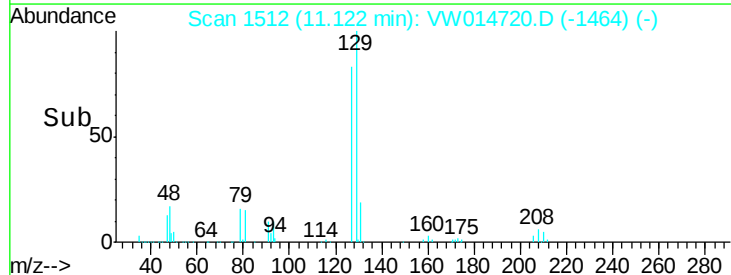
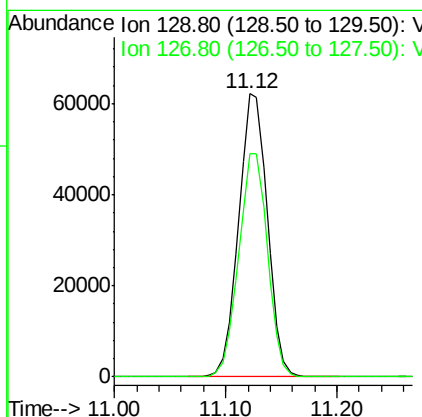
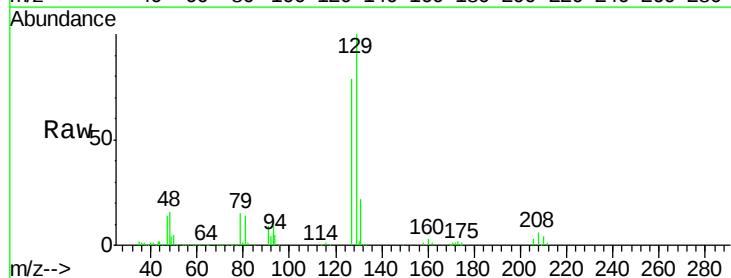
Manual Integrations
APPROVED

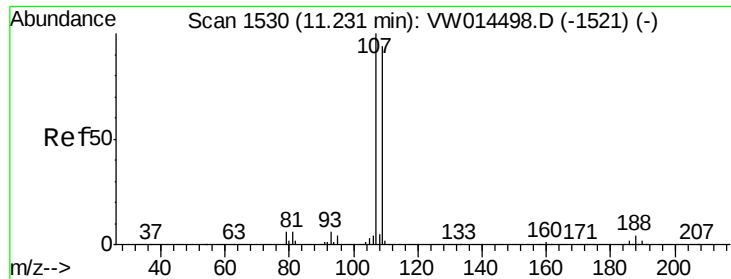
MMDadoda
1/24/2020 4:02:29 PM



#60
Dibromochloromethane
Concen: 19.733 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion: 129 Resp: 111365
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.501 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion: 107 Resp: 92591

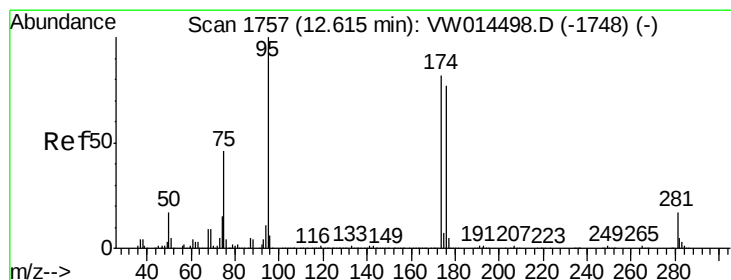
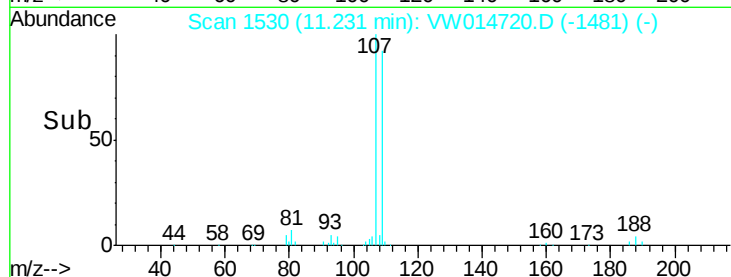
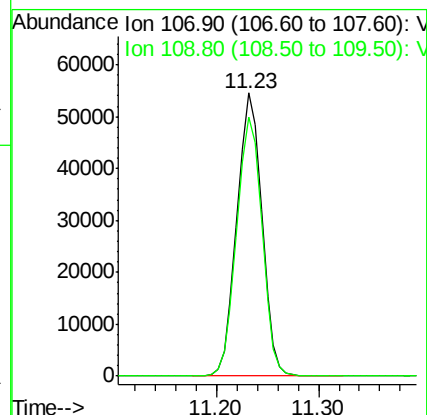
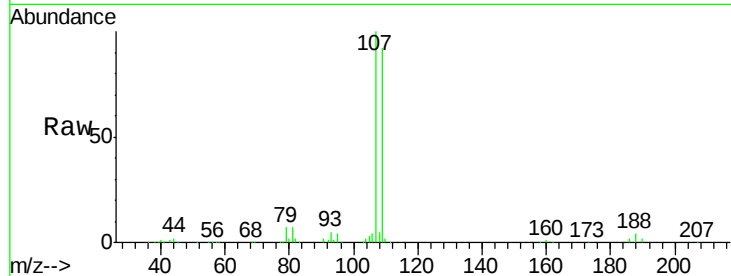
Ion Ratio Lower Upper

107 100

109 92.8 75.1 112.7

Manual Integrations
APPROVED

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1/24/2020 4:02:29 PM



#62

4-Bromofluorobenzene

Concen: 50.480 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

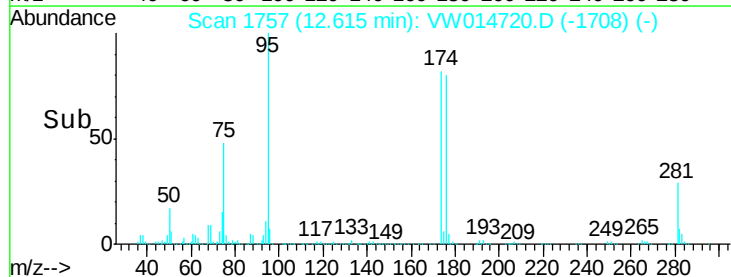
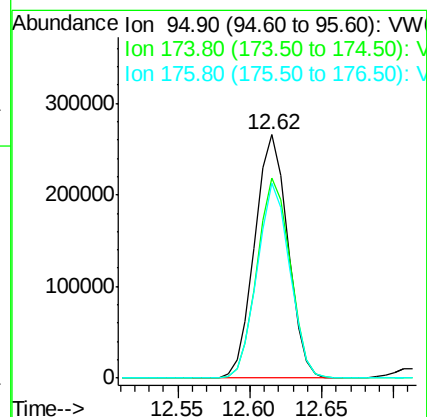
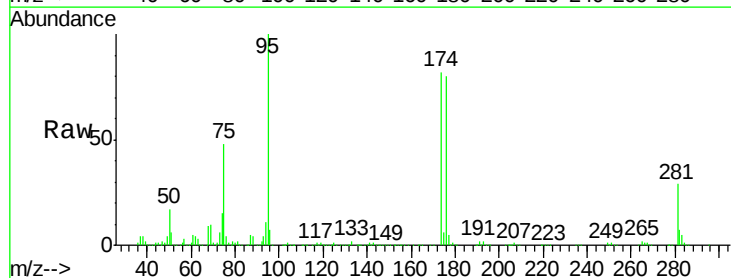
Tgt Ion: 95 Resp: 423275

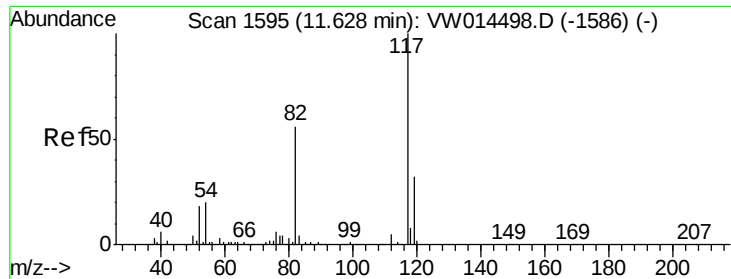
Ion Ratio Lower Upper

95 100

174 82.0 0.0 168.6

176 78.8 0.0 162.0





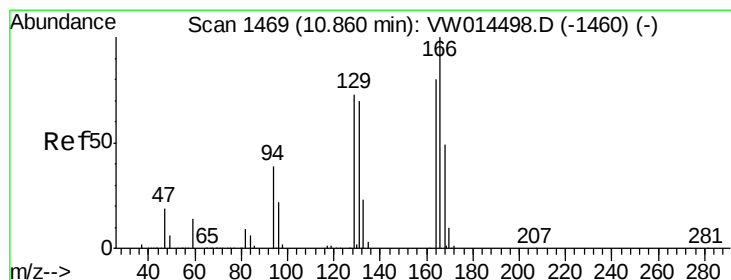
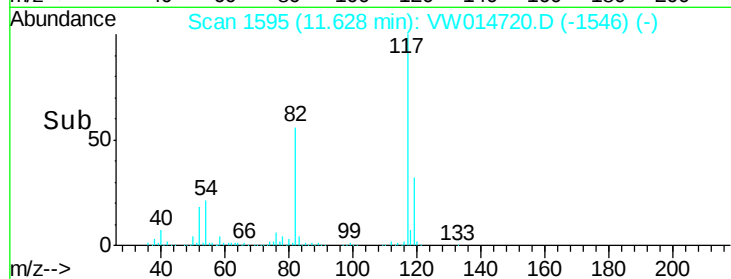
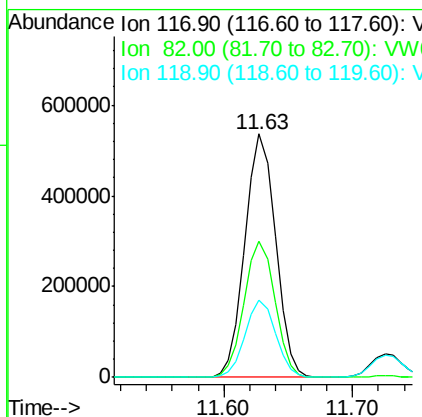
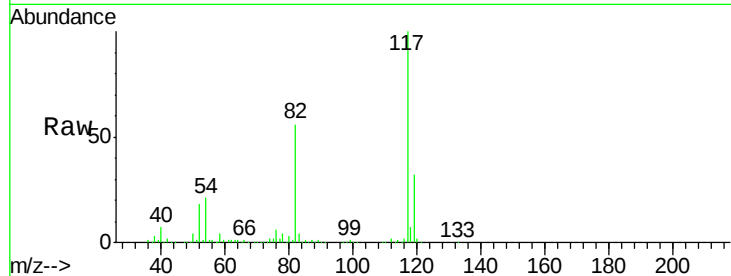
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	885199		
82	56.1		44.6	67.0
119	31.8		25.7	38.5

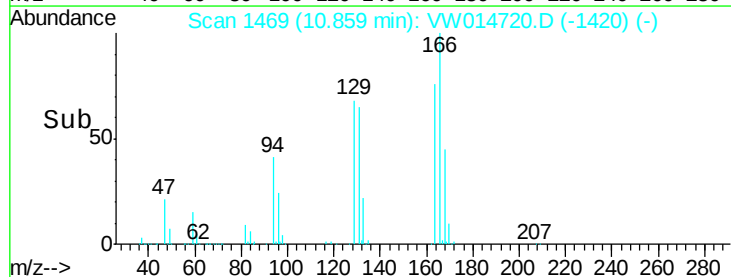
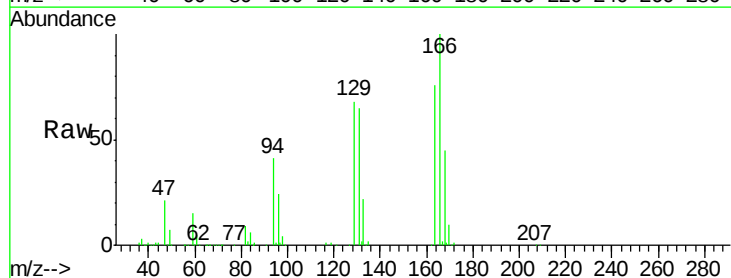
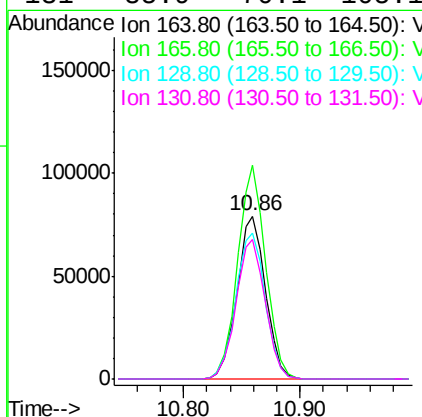
Manual Integrations
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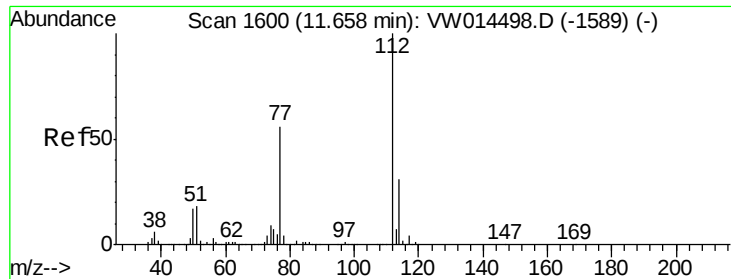
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#64
Tetrachloroethene
Concen: 21.056 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134937		
166	131.3		99.8	149.6
129	89.5		72.4	108.6
131	85.9		70.1	105.1





#65

Chlorobenzene

Concen: 21.409 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion:112 Resp: 388247

Ion Ratio Lower Upper

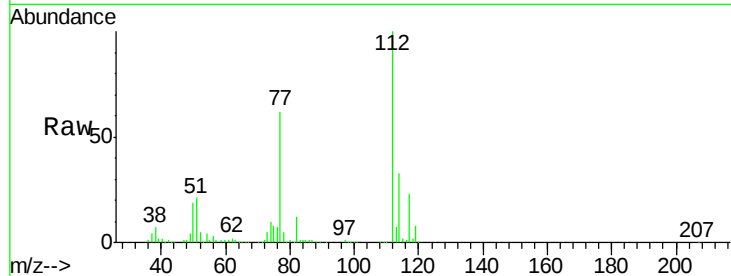
112 100

114 32.6 24.6 37.0

Manual Integrations
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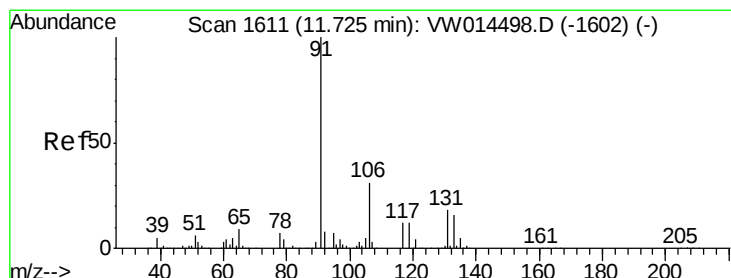
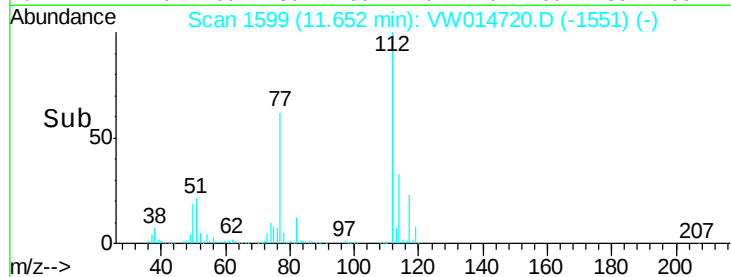
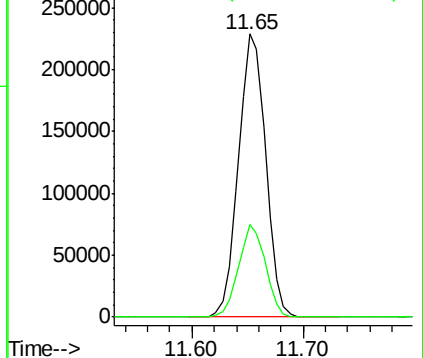
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.071 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

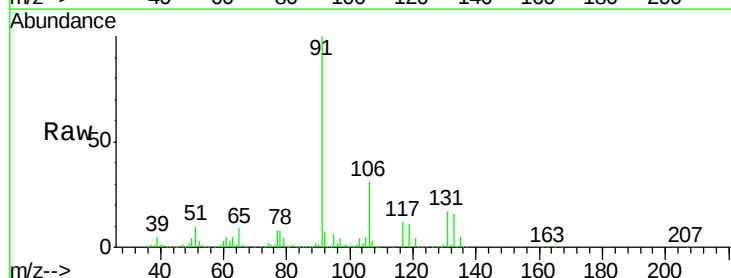
Tgt Ion:131 Resp: 128661

Ion Ratio Lower Upper

131 100

133 97.0 47.3 142.0

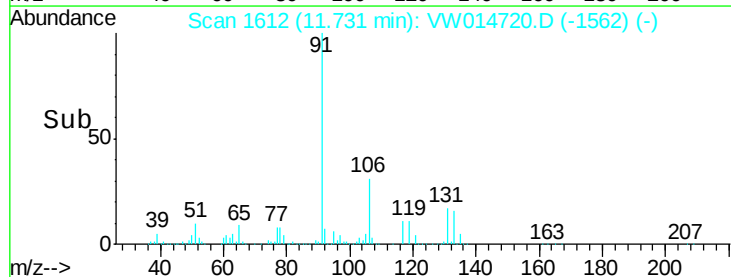
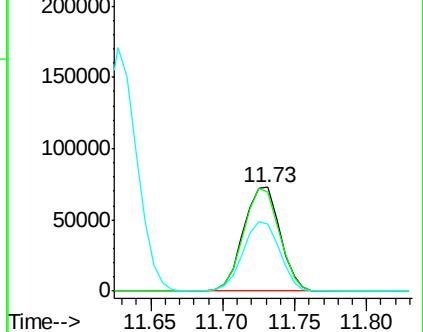
119 66.9 33.1 99.3

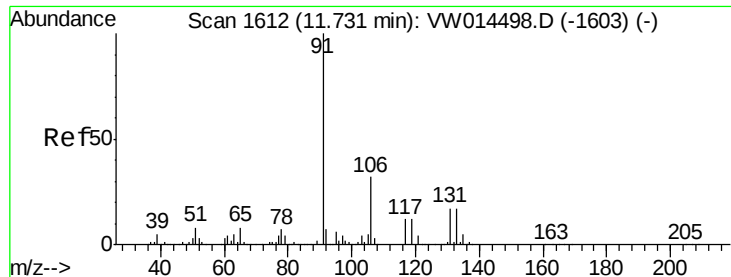


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





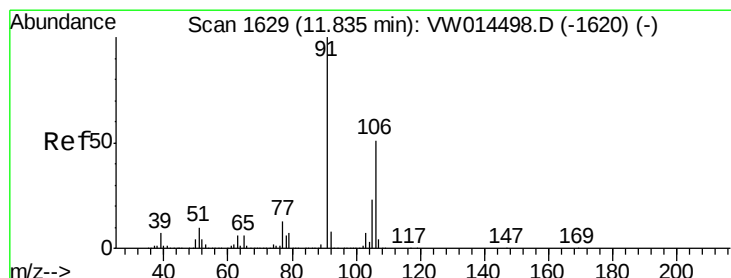
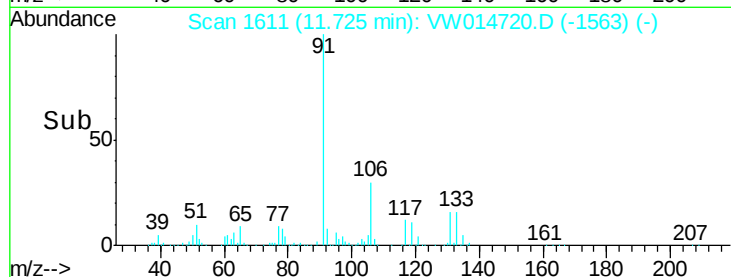
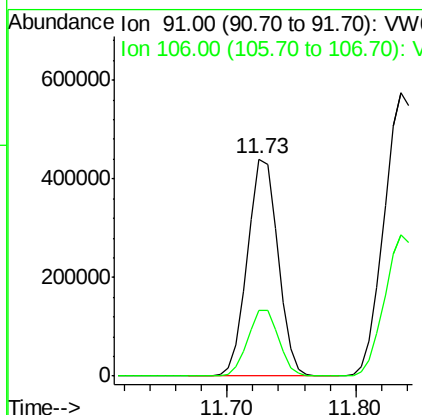
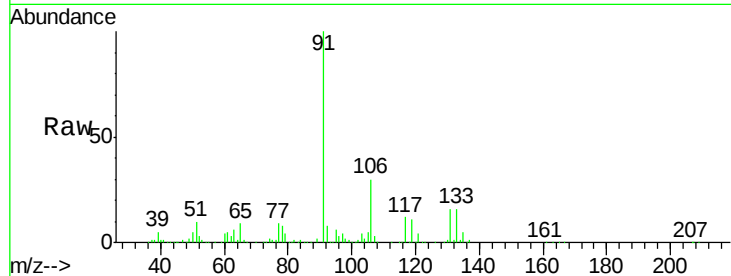
#67
Ethyl Benzene
Concen: 22.076 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion: 91 Resp: 721496
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3

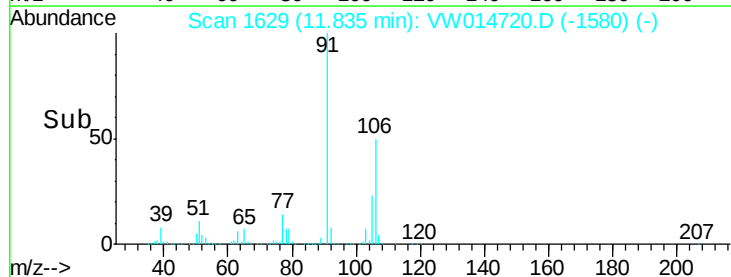
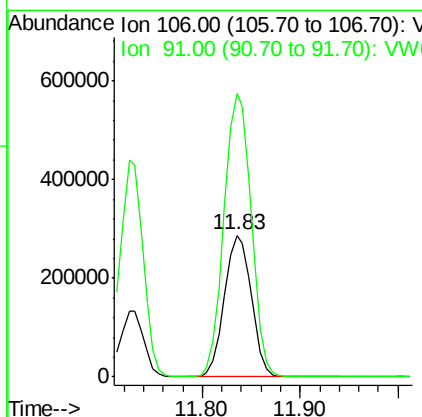
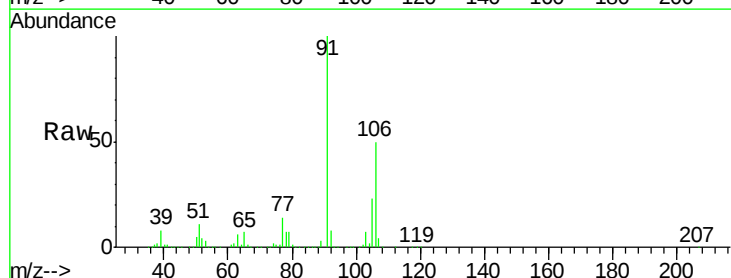
Manual Integrations
APPROVED

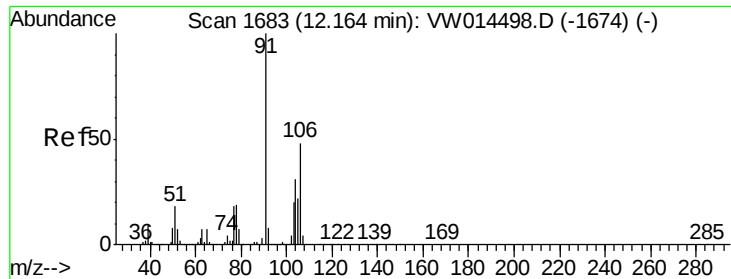
MMDadoda
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#68
m/p-Xylenes
Concen: 43.657 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion: 106 Resp: 546076
Ion Ratio Lower Upper
106 100
91 202.1 159.0 238.6





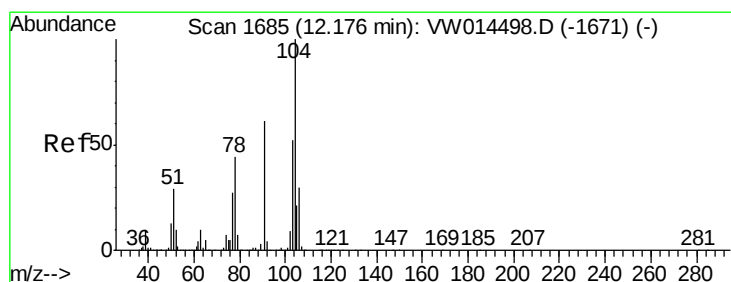
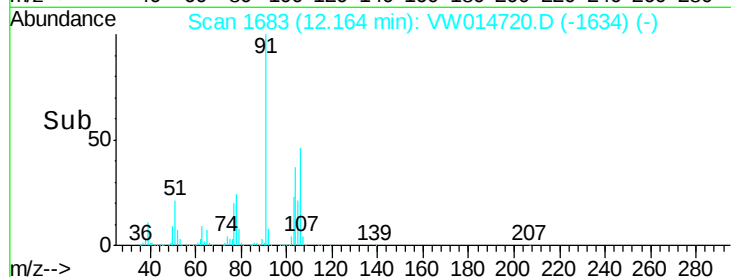
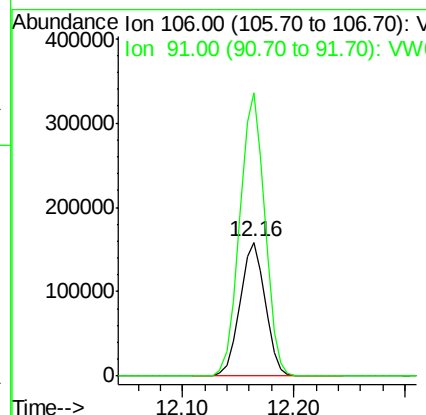
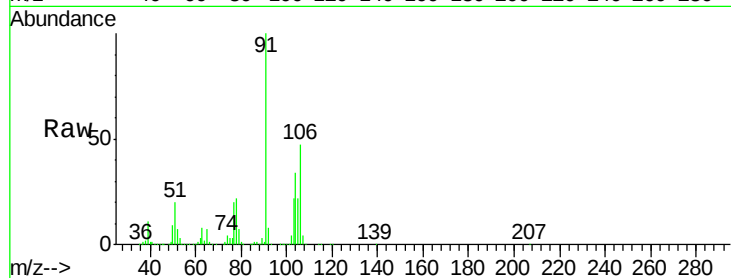
#69
o-Xylene
Concen: 21.444 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.3	105.2	315.6	

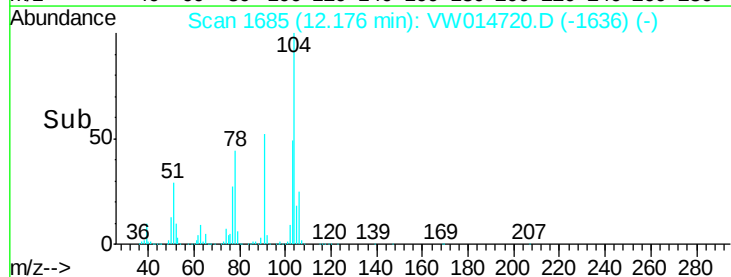
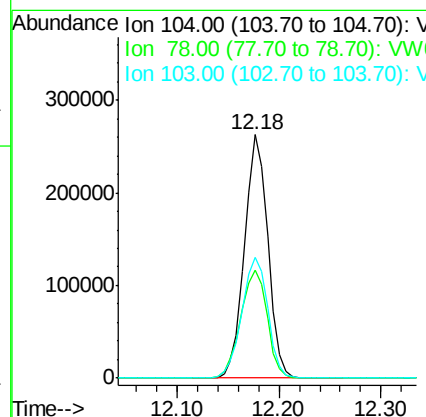
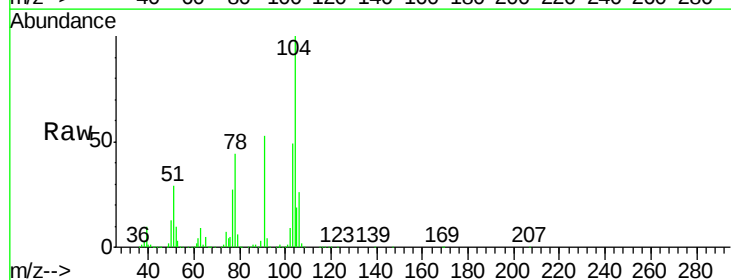
Manual Integrations
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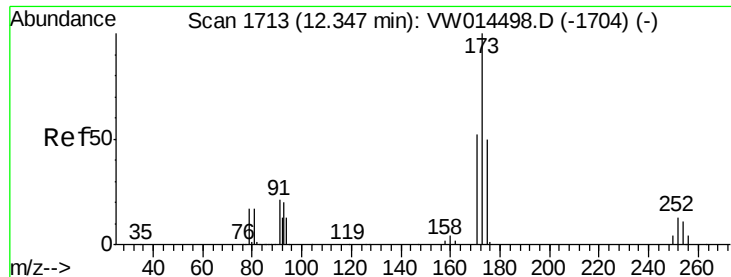
MMDadoda
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#70
Styrene
Concen: 21.314 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	38.4	57.6	
103	55.0	43.7	65.5	





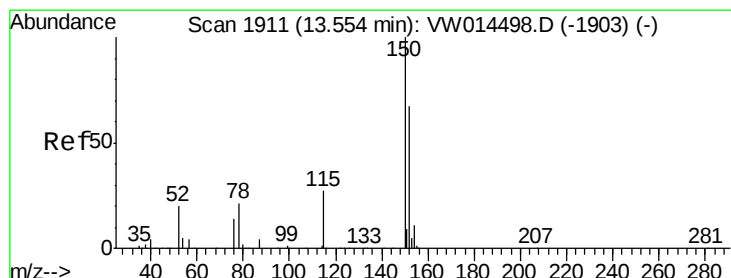
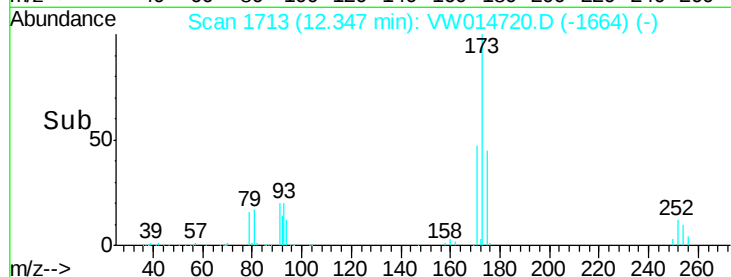
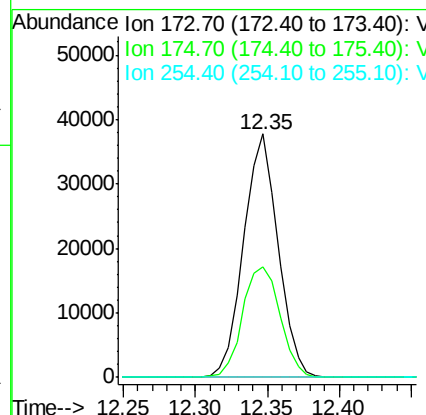
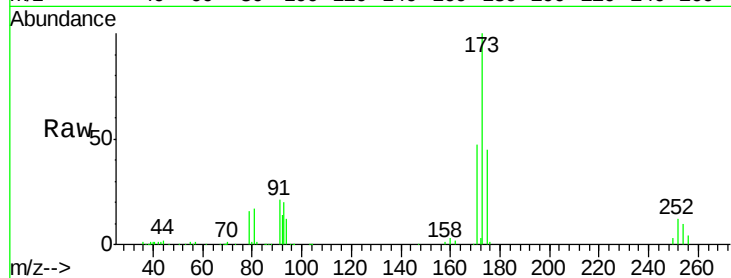
#71
Bromoform
Concen: 18.750 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.5	73.5
254	0.1	0.0	0.0#

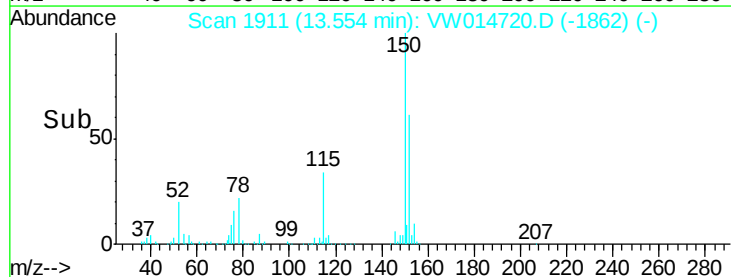
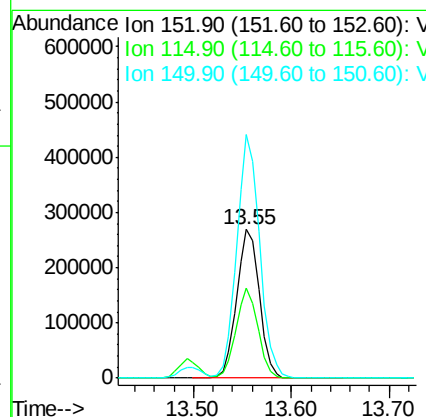
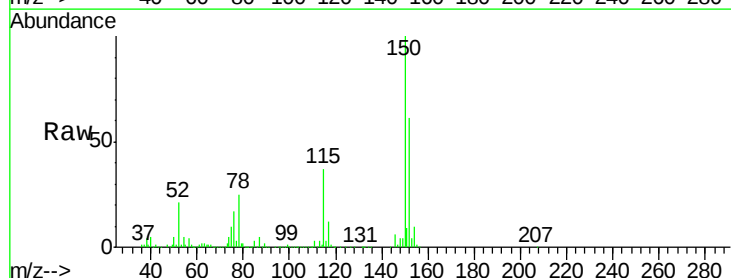
Manual Integrations
APPROVED

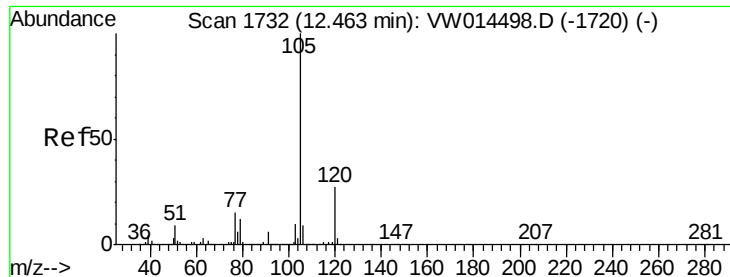
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.7	83.1
150	165.7	0.0	343.4





#73

Isopropylbenzene

Concen: 21.755 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion:105 Resp: 689392

Ion Ratio Lower Upper

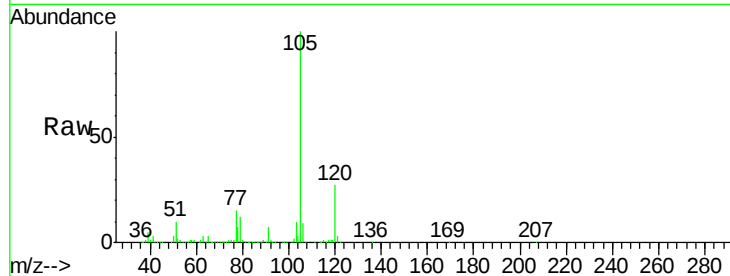
105 100

120 26.3 13.4 40.1

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

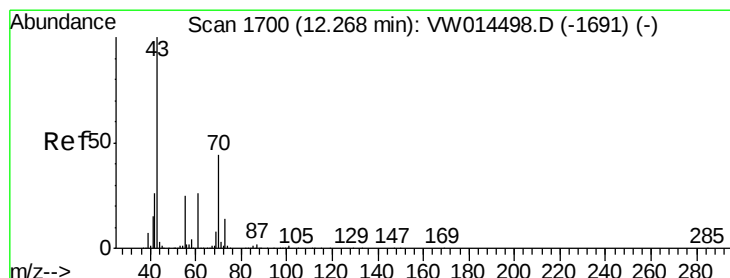
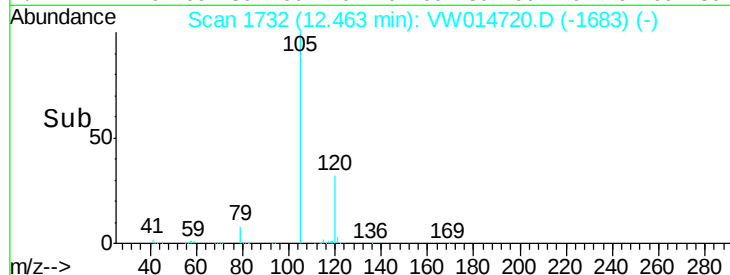
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.603 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion: 43 Resp: 139284

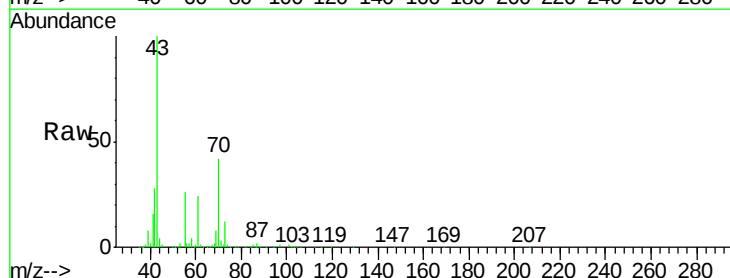
Ion Ratio Lower Upper

43 100

70 43.2 36.5 54.7

55 26.9 20.9 31.3

61 24.3 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

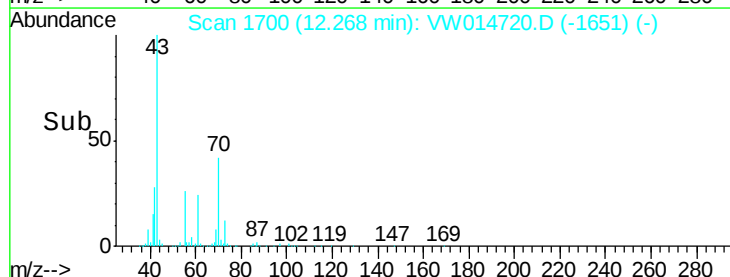
12.27

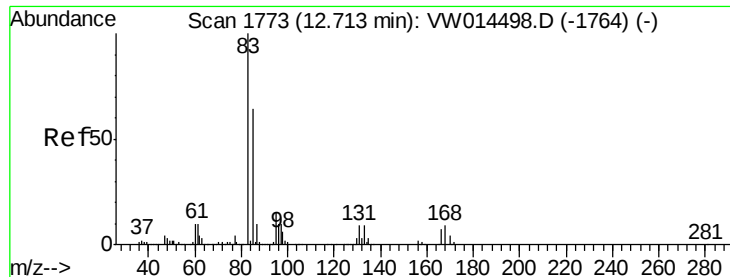
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.449 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

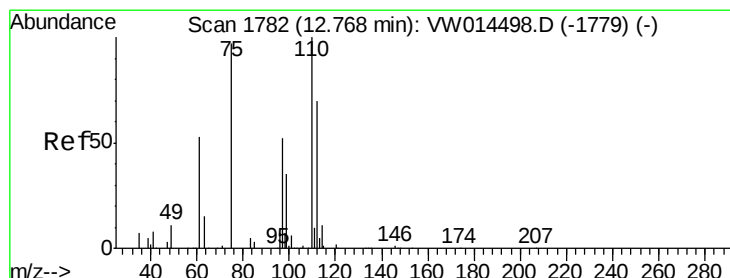
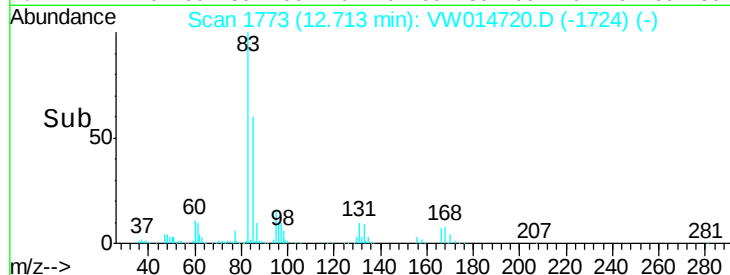
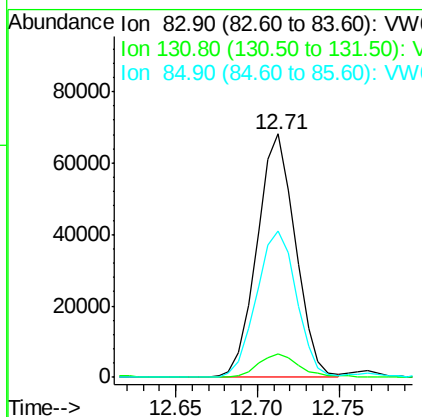
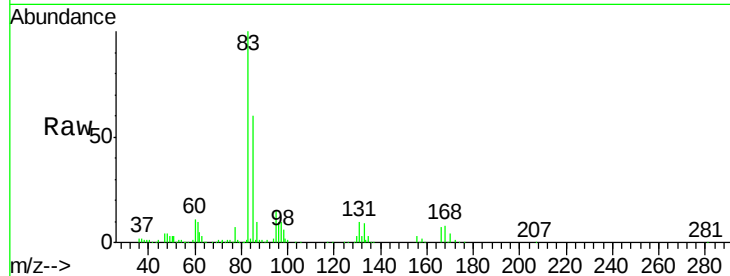
ClientSampleId :

VW0123SBS01

Tot Ion:	83	Resp:	111245
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	62.6	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.251 ug/l m

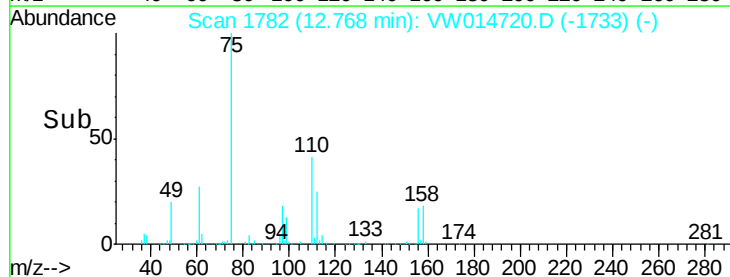
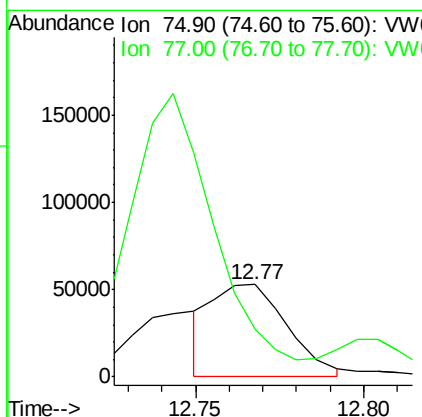
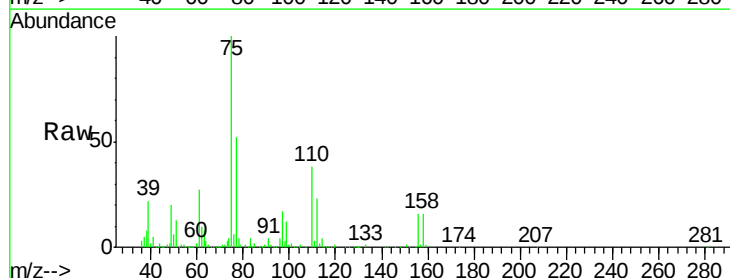
RT: 12.77 min Scan# 1782

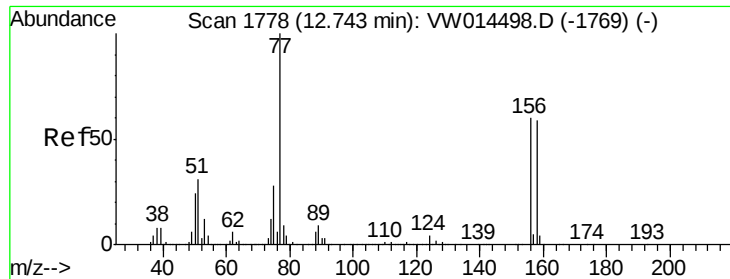
Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion:	75	Resp:	82691
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.868 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0123SBS01

Tot Ion:156 Resp: 153593

Ion Ratio Lower Upper

156 100

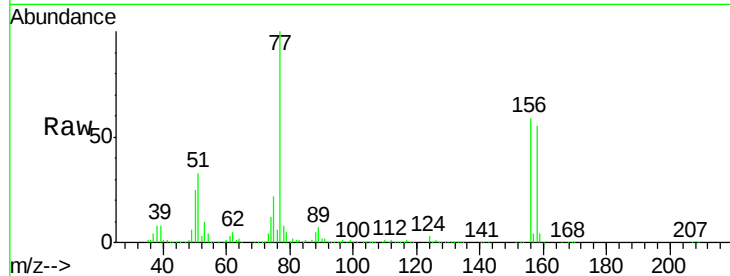
77 188.7 92.3 277.1

158 97.8 48.6 145.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

200000

150000

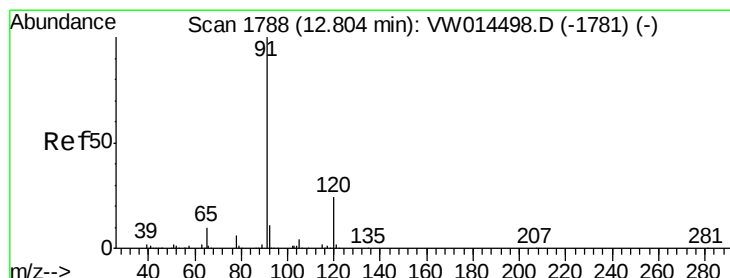
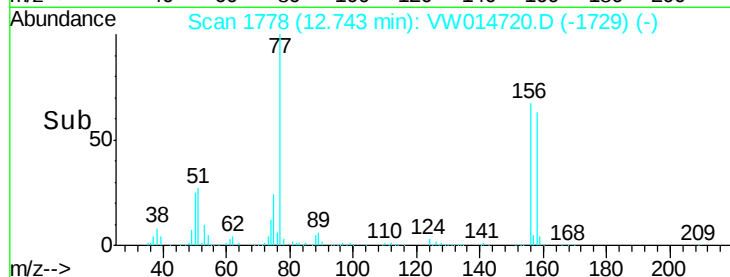
100000

50000

0

12.70 12.80

Time-->



#78

n-propylbenzene

Concen: 22.586 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014720.D

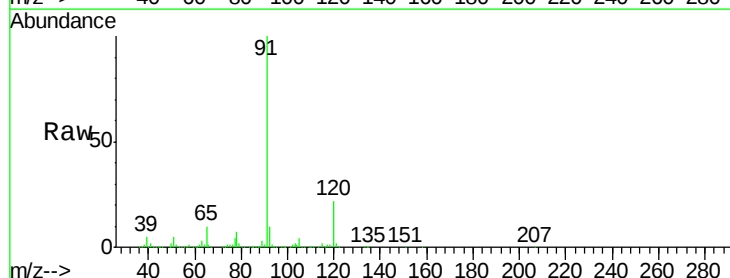
Acq: 23 Jan 2020 12:44

Tgt Ion: 91 Resp: 841628

Ion Ratio Lower Upper

91 100

120 22.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

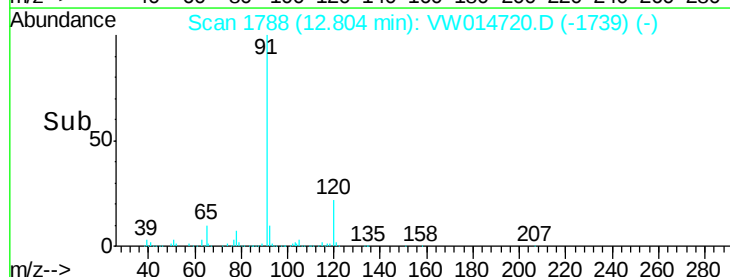
200000

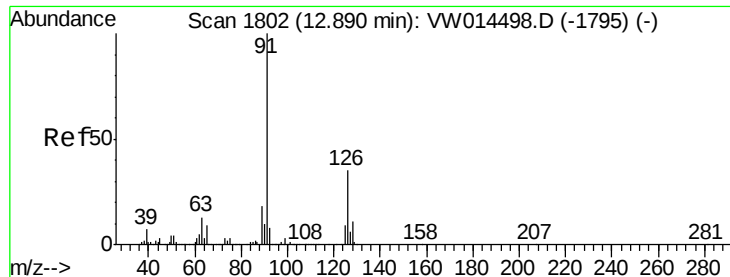
100000

0

12.75 12.80 12.85

Time-->





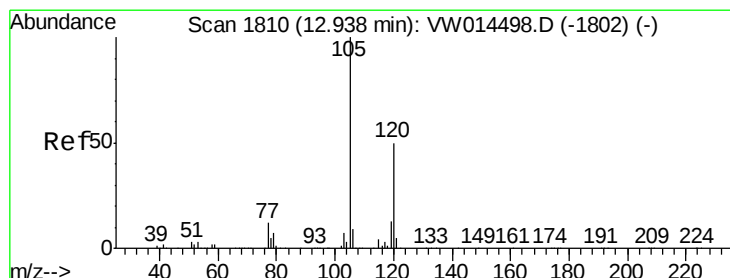
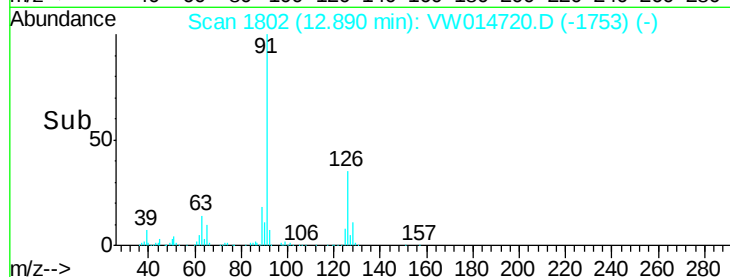
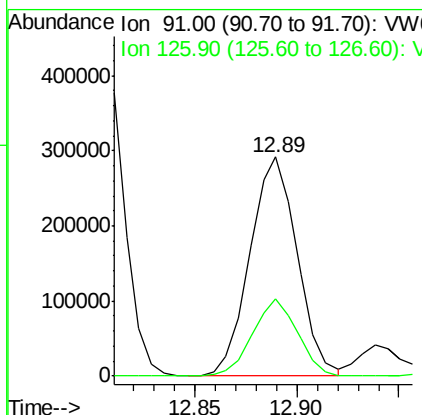
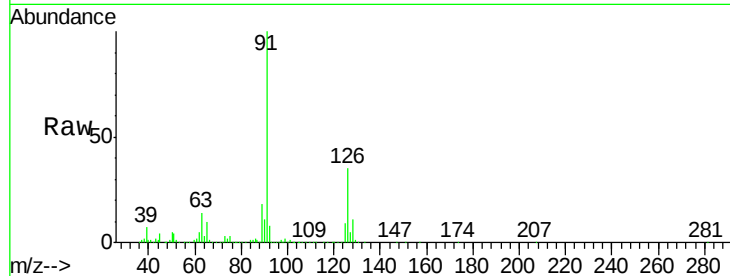
#79
2-Chlorotoluene
Concen: 22.154 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.2

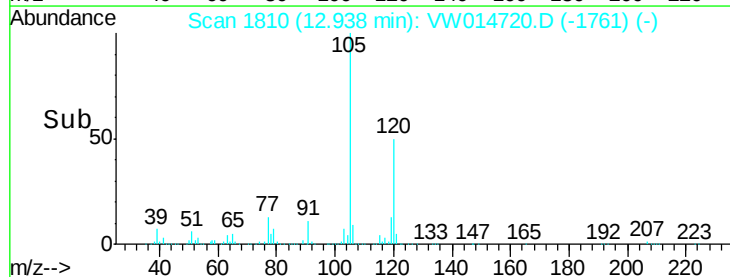
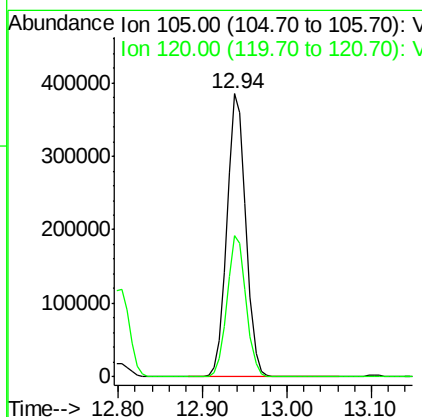
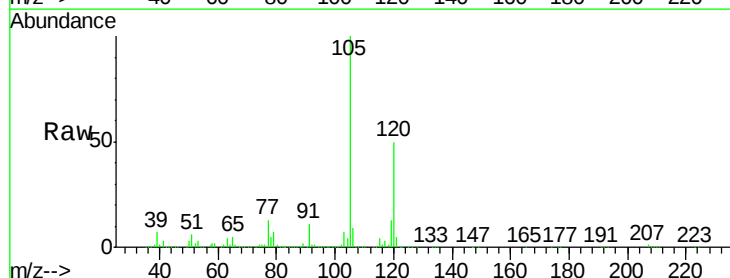
Manual Integrations
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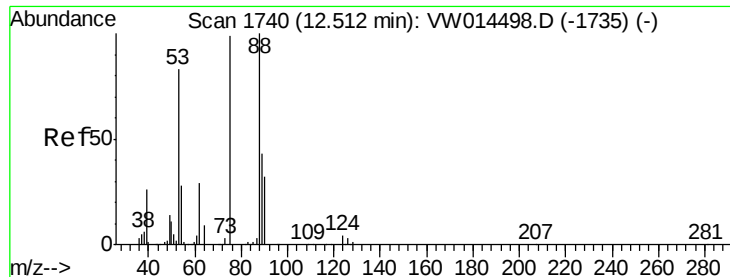
MMDadoda
1/24/2020 4:02:29 PM



#80
1,3,5-Trimethylbenzene
Concen: 22.234 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.2	75.6





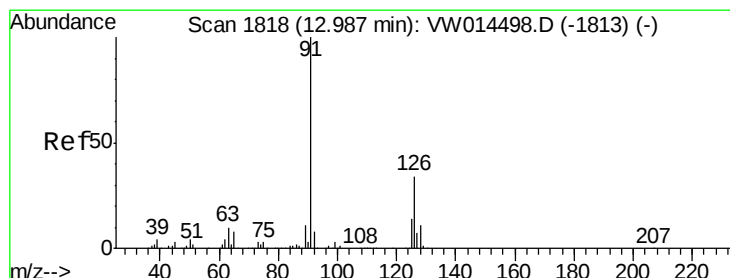
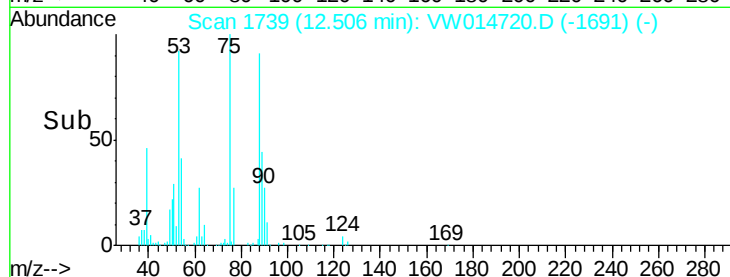
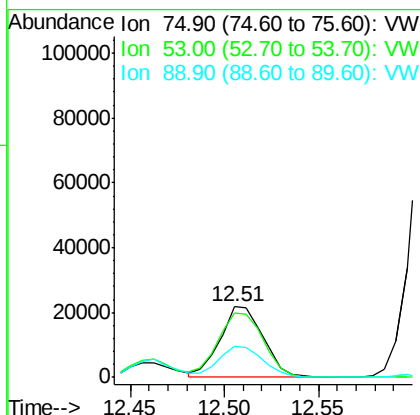
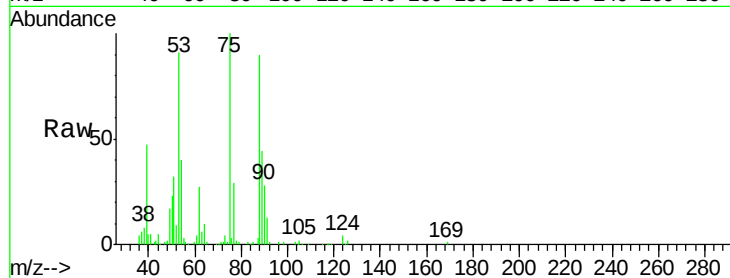
#81
trans-1,4-Dichloro-2-butene
Concen: 18.647 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	70.9	106.3
89	44.5	35.8	53.8

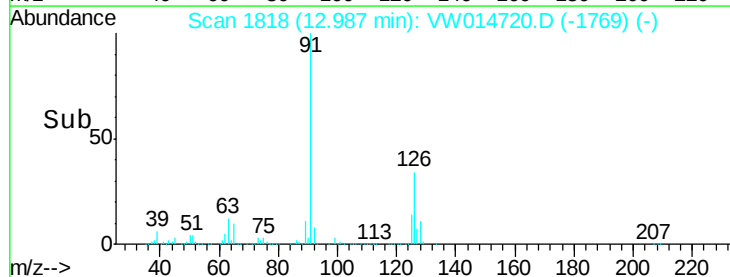
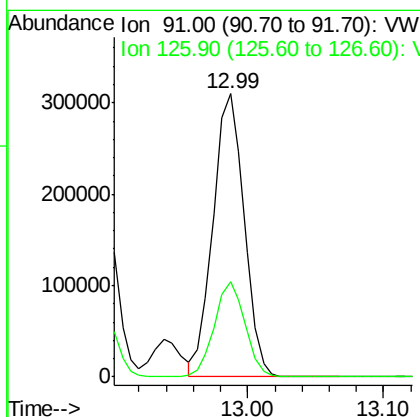
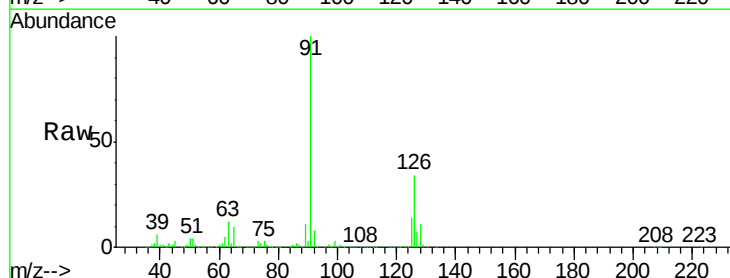
Manual Integrations
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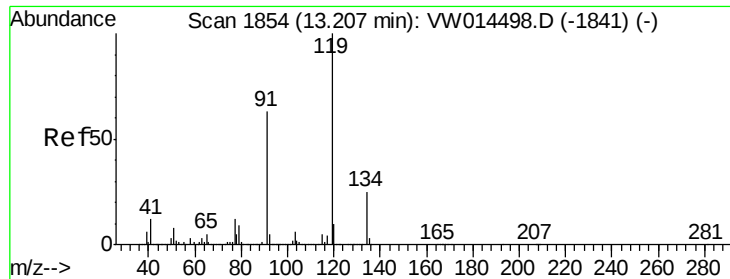
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.295 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.1	51.2





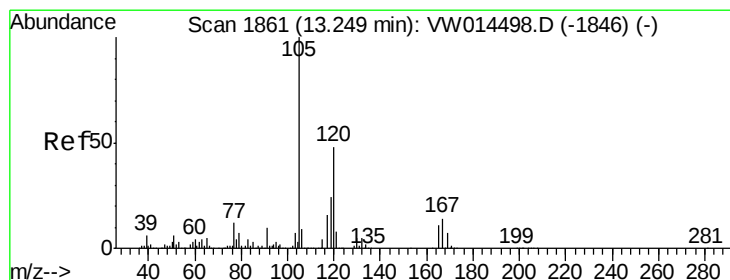
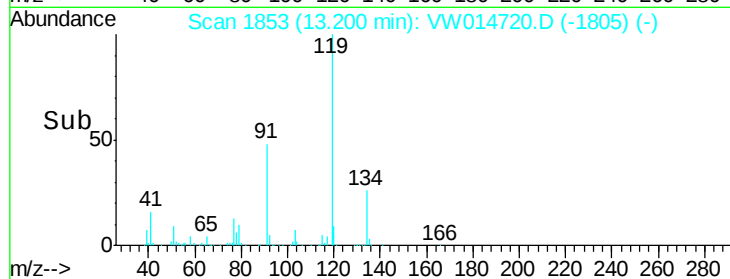
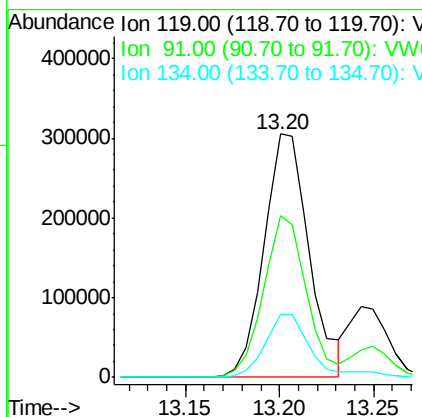
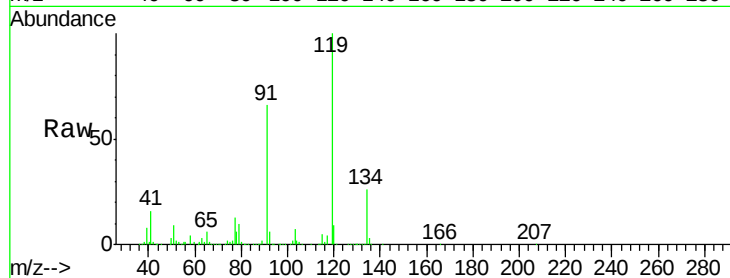
#83
tert-Butylbenzene
Concen: 21.735 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.1	93.3
134	26.6	13.5	40.5

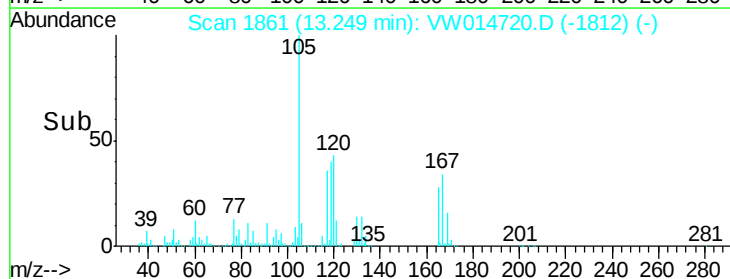
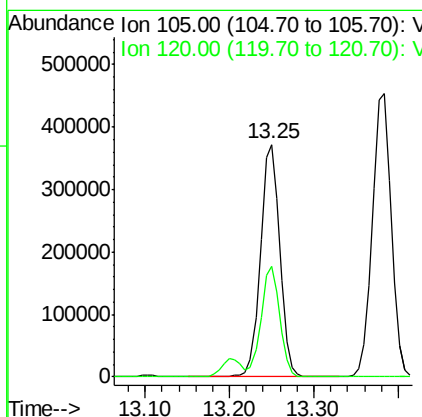
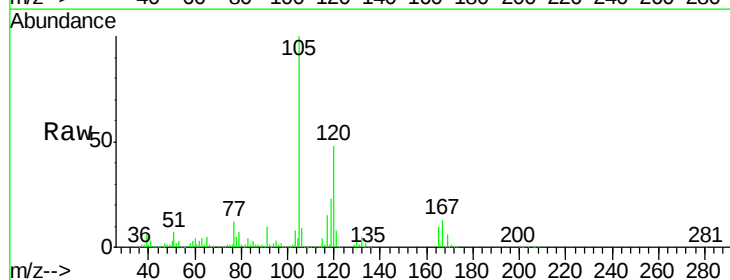
Manual Integrations
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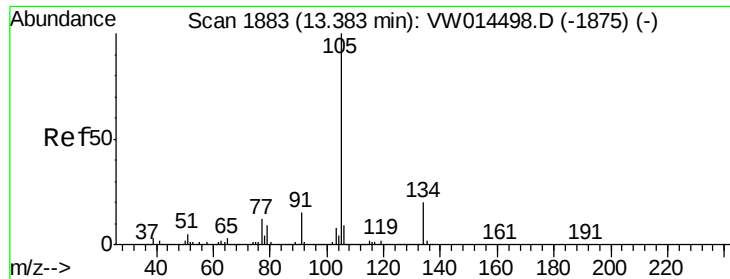
MMDadoda
1/24/2020 4:02:29 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.154 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0





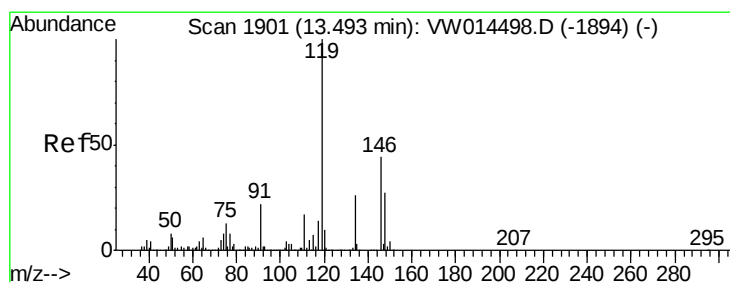
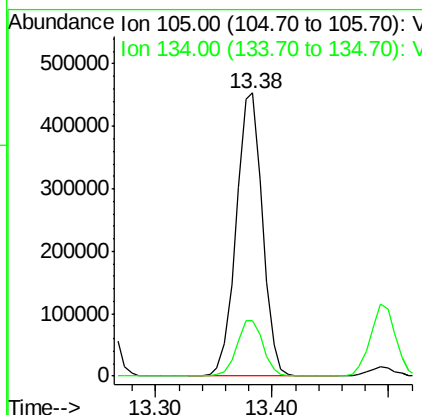
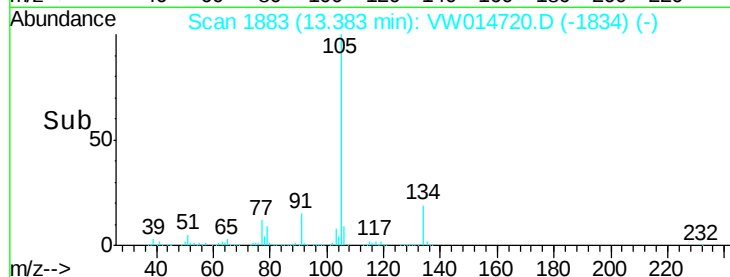
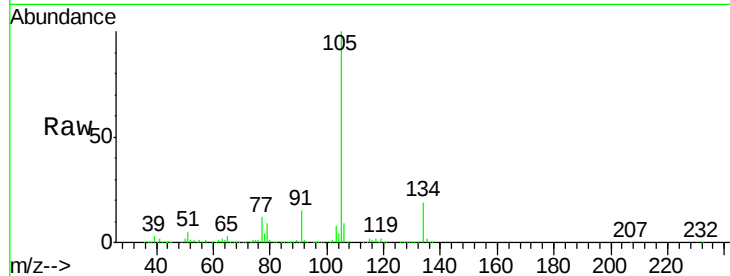
#85
 sec-Butylbenzene
 Concen: 22.062 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0123SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.2	30.6

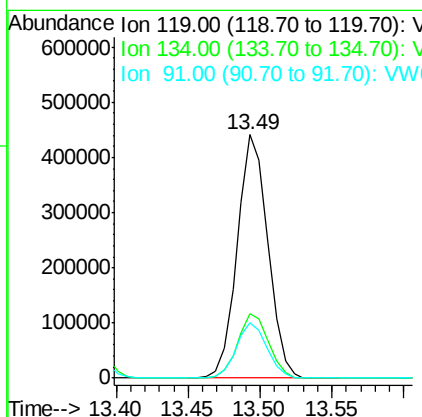
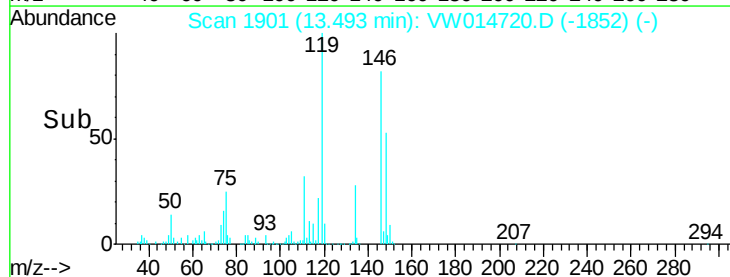
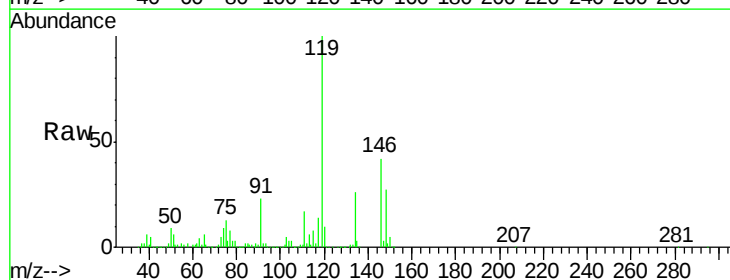
Manual Integrations
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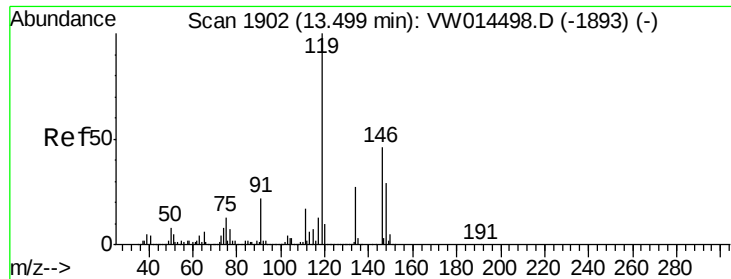
MMDadoda
 1/24/2020 4:02:29 PM



#86
 p-Isopropyltoluene
 Concen: 22.116 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	22.8	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 21.492 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

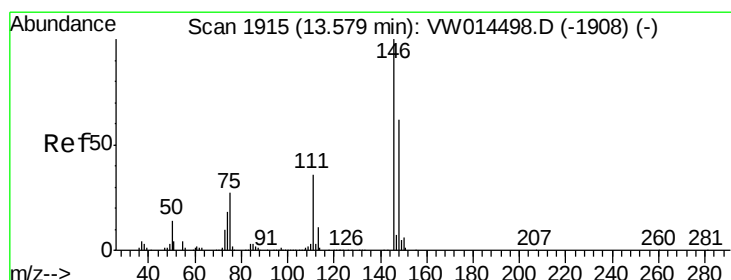
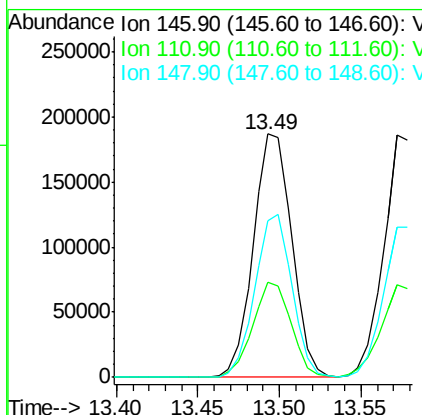
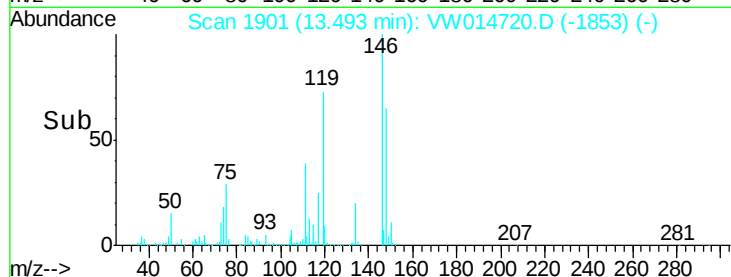
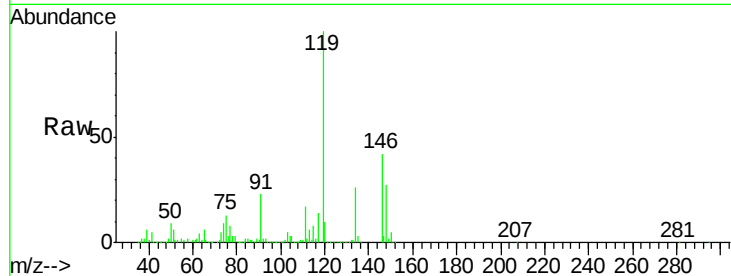
Instrument :
MSVOA_W

ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.0	19.3	57.9	
148	64.3	31.8	95.4	

Manual Integrations
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1/24/2020 4:02:29 PM



#88

1,4-Dichlorobenzene

Concen: 21.326 ug/l

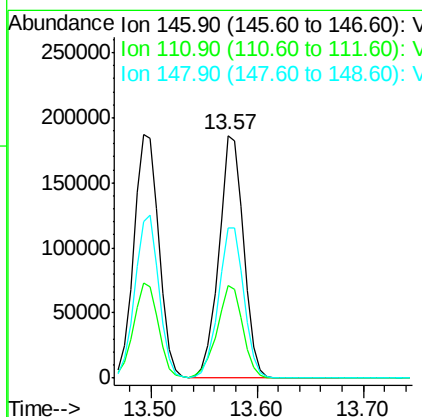
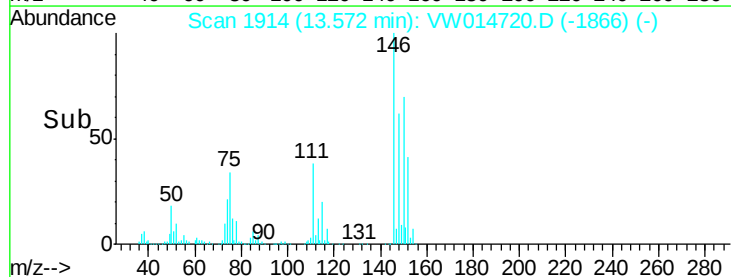
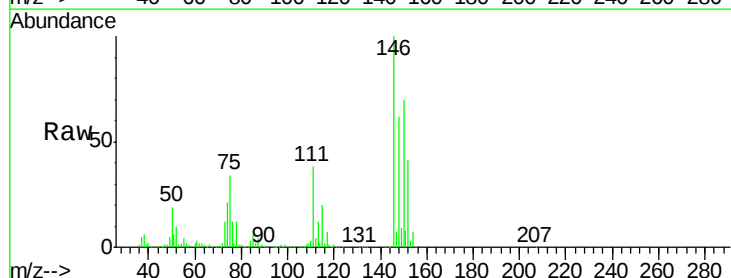
RT: 13.57 min Scan# 1914

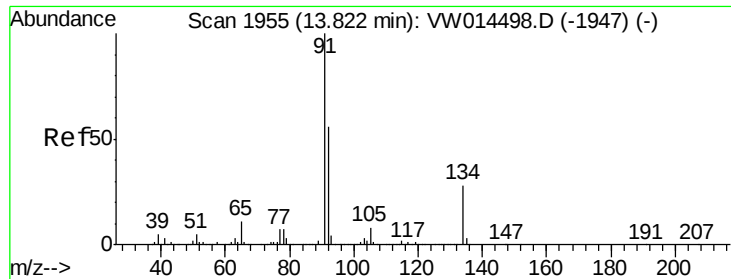
Delta R.T. -0.01 min

Lab File: VW014720.D

Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.4	18.7	56.1	
148	63.4	31.7	95.1	





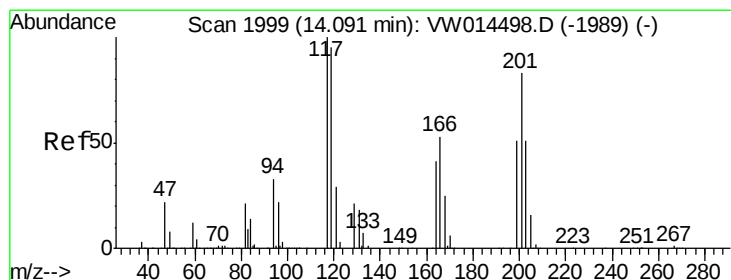
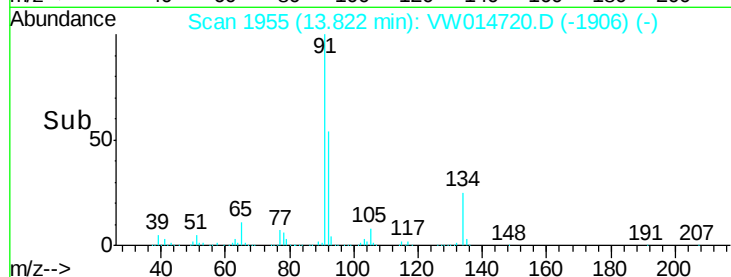
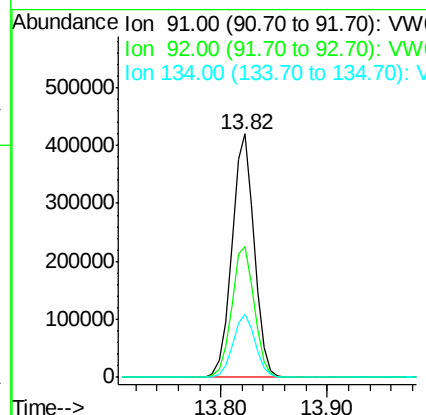
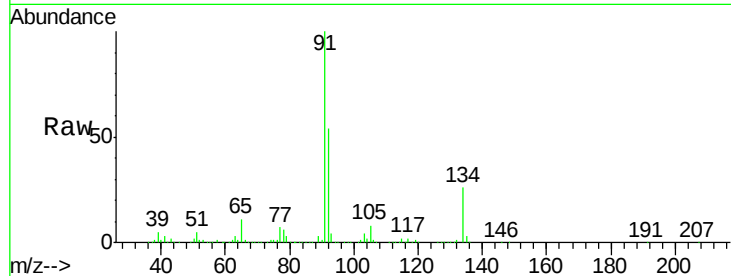
#89
n-Butylbenzene
Concen: 22.404 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.5
134	26.1	13.7	41.1

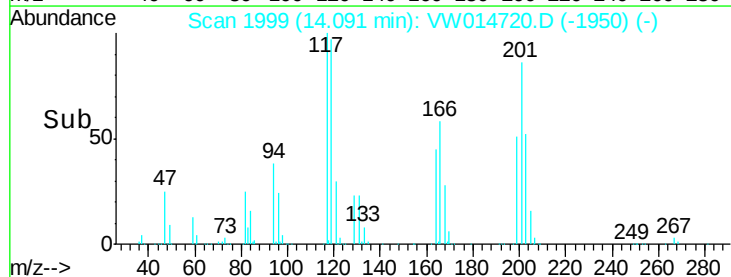
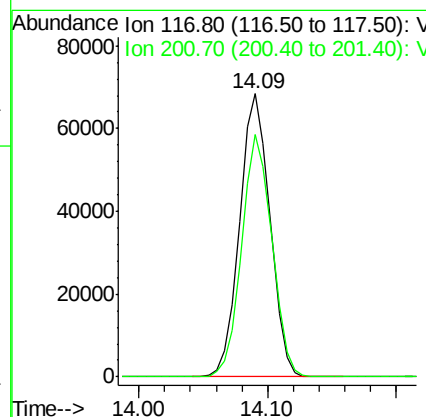
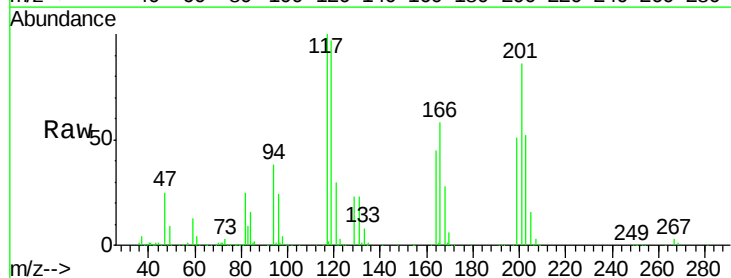
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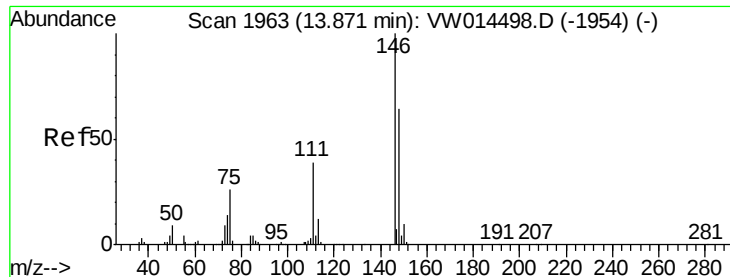
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#90
Hexachloroethane
Concen: 21.737 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	43.0	128.8





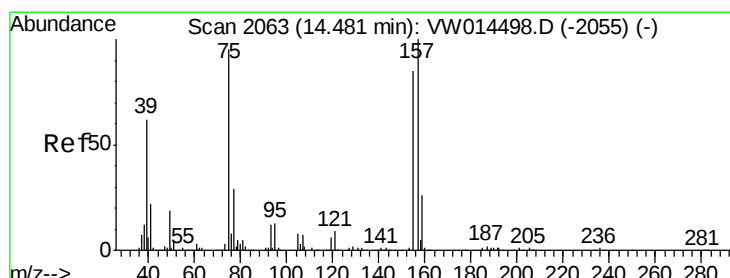
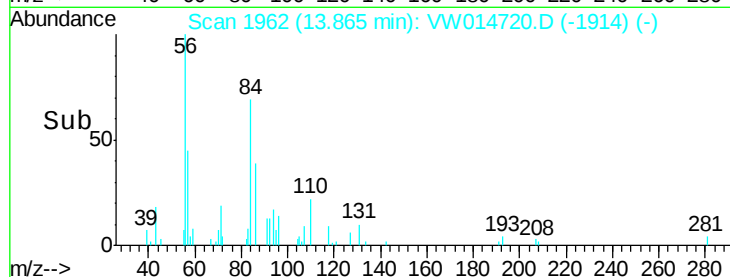
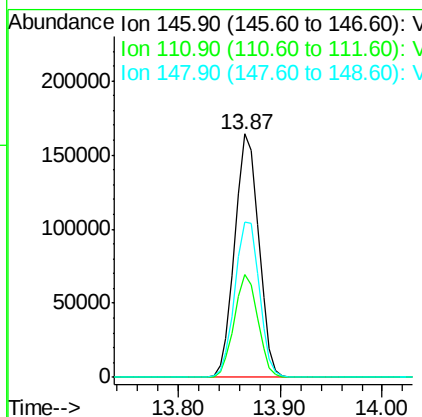
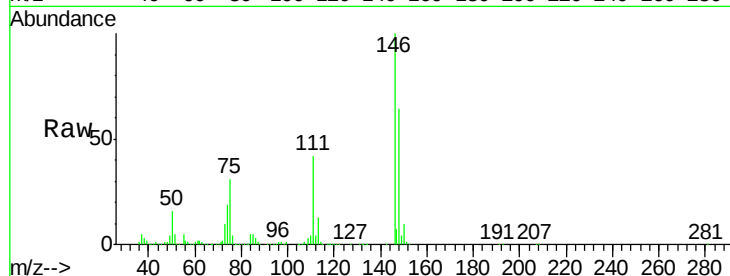
#91
 1,2-Dichlorobenzene
 Concen: 21.235 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	267120		
111	41.6	20.4	61.3	
148	65.0	32.3	96.8	

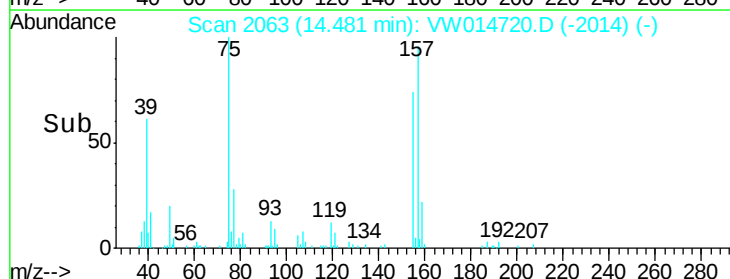
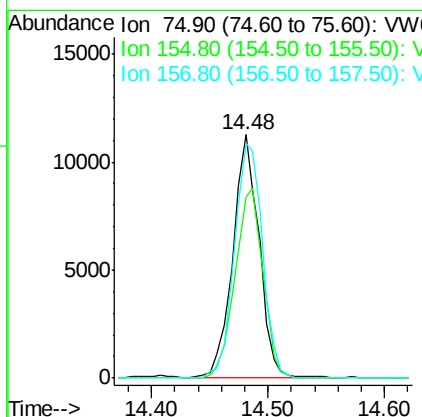
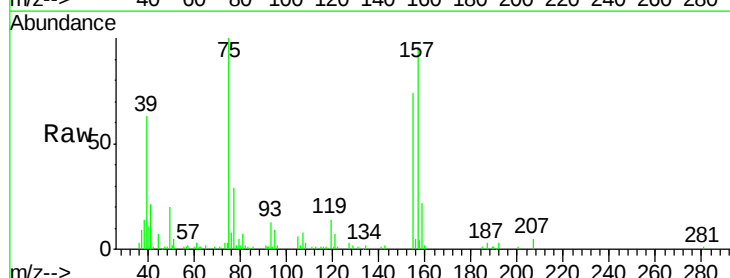
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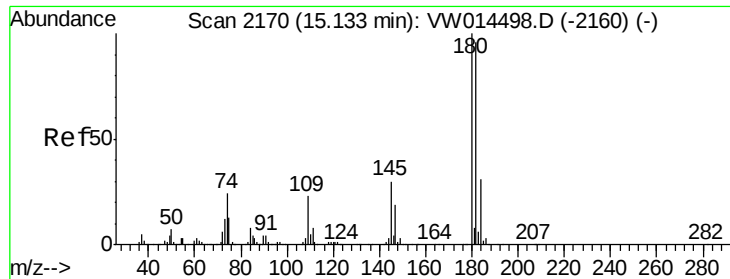
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.639 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17789		
155	82.6	45.8	137.4	
157	102.4	58.1	174.2	





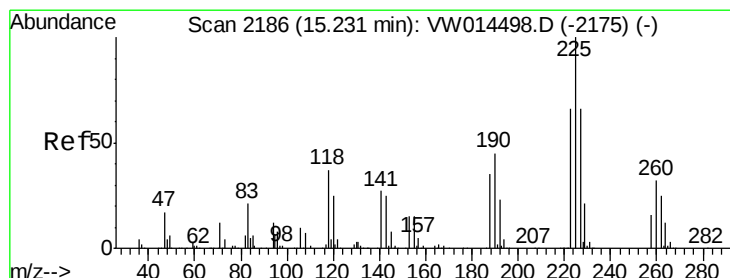
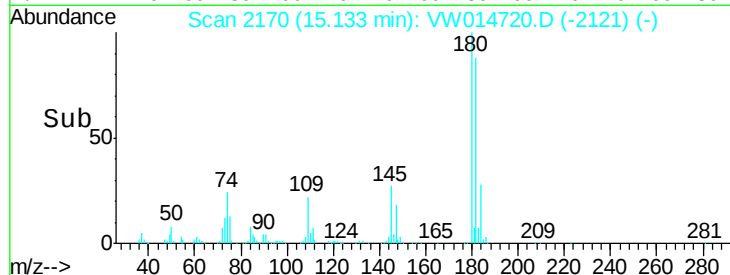
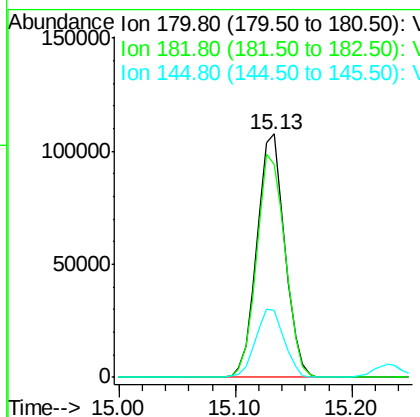
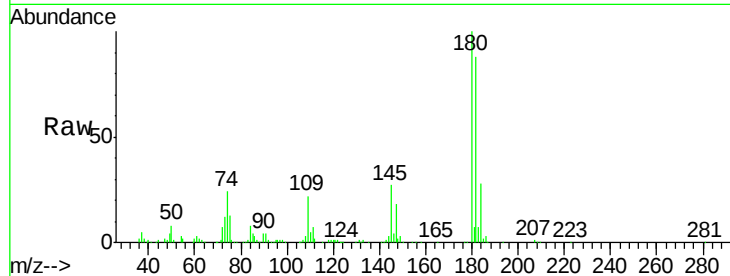
#93
 1,2,4-Trichlorobenzene
 Concen: 21.059 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178891		
182	93.6	47.3	141.8	
145	28.9	14.7	44.1	

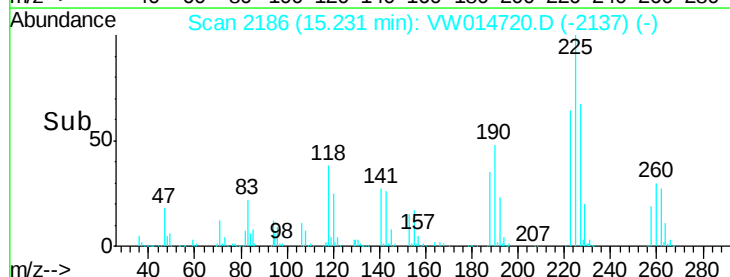
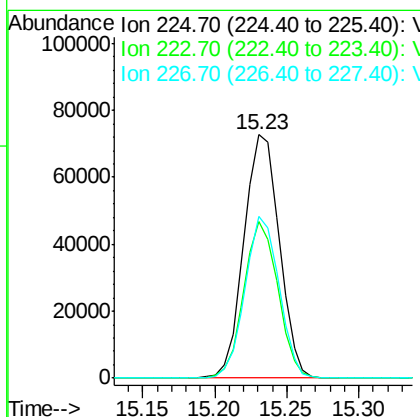
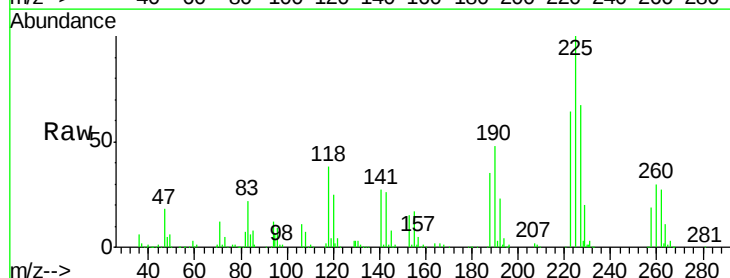
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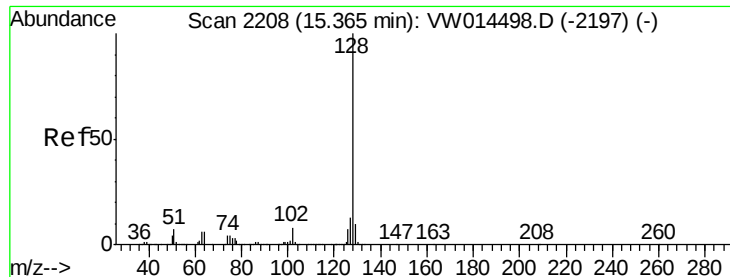
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#94
 Hexachlorobutadiene
 Concen: 21.710 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014720.D
 Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123593		
223	61.8	32.4	97.2	
227	63.8	32.6	97.8	





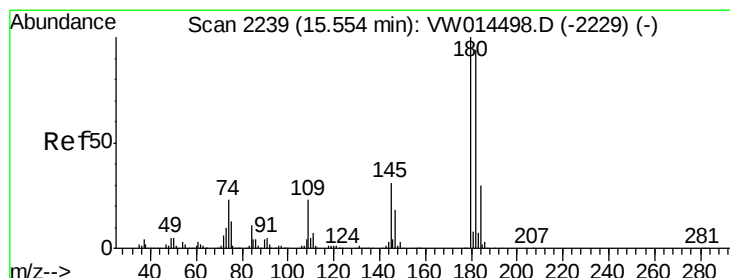
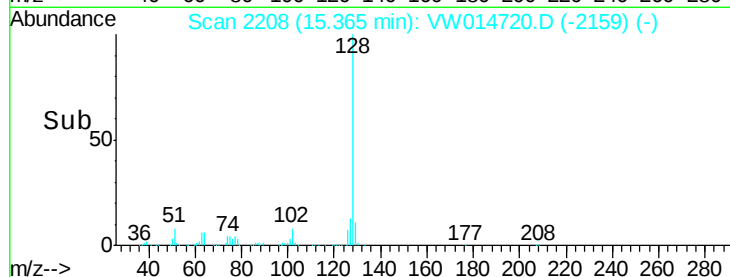
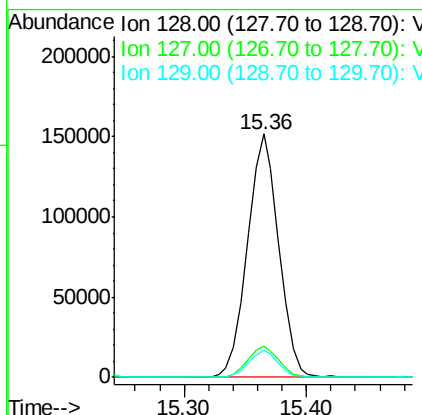
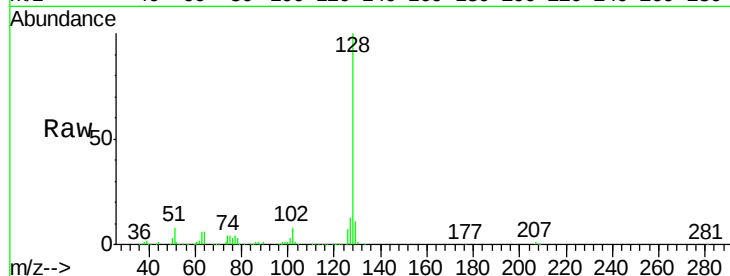
#95
Naphthalene
Concen: 18.593 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	269375		
127	12.7		10.6	15.8
129	10.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.242 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014720.D
Acq: 23 Jan 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	149887		
182	95.6		47.4	142.2
145	30.6		15.5	46.5

