

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014718.D
 Acq On : 23 Jan 2020 10:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:26 PM

Quant Time: Jan 24 04:34:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	693283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1024669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	876153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	428525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	322090	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	316480	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
50) Toluene-d8	10.32	98	1298454	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	438482	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	181814	46.447	ug/l	99
3) Chloromethane	2.21	50	250005	52.178	ug/l	98
4) Vinyl Chloride	2.36	62	378732	53.742	ug/l	98
5) Bromomethane	2.77	94	222268	51.056	ug/l	100
6) Chloroethane	2.92	64	215781	53.714	ug/l	99
7) Trichlorofluoromethane	3.25	101	220575	62.557	ug/l	98
8) Diethyl Ether	3.68	74	170354	48.558	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	347238	52.706	ug/l	98
10) Methyl Iodide	4.27	142	485867	48.878	ug/l	97
11) Tert butyl alcohol	5.17	59	97312	203.996	ug/l	97
12) 1,1-Dichloroethene	4.04	96	357699	51.846	ug/l	94
13) Acrolein	3.89	56	138259	261.335	ug/l	98
14) Allyl chloride	4.67	41	583782	55.371	ug/l	98
15) Acrylonitrile	5.36	53	378822	236.232	ug/l	100
16) Acetone	4.12	43	430034	251.253	ug/l	97
17) Carbon Disulfide	4.38	76	1049370	50.465	ug/l	98
18) Methyl Acetate	4.67	43	191106	46.232	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	424472	49.564	ug/l	99
20) Methylene Chloride	4.91	84	371310	53.997	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	378971	51.732	ug/l	95
22) Diisopropyl ether	6.31	45	1064606	53.948	ug/l	98
23) Vinyl Acetate	6.25	43	3088997	259.221	ug/l	98
24) 1,1-Dichloroethane	6.21	63	680131	54.638	ug/l	100
25) 2-Butanone	7.17	43	522231	237.757	ug/l	97
26) 2,2-Dichloropropane	7.16	77	366715	53.211	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	394627	51.266	ug/l	95
28) Bromochloromethane	7.51	49	286656	58.739	ug/l	93
29) Tetrahydrofuran	7.52	42	309128	227.176	ug/l	97
30) Chloroform	7.67	83	625552	53.739	ug/l	99
31) Cyclohexane	7.95	56	654017	50.556	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	508202	54.284	ug/l	98
36) 1,1-Dichloropropene	8.08	75	533998	54.058	ug/l	99
37) Ethyl Acetate	7.24	43	213715	47.703	ug/l	97
38) Carbon Tetrachloride	8.07	117	465971	54.372	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	652829	51.498	ug/l	95
40) Benzene	8.32	78	1488405	53.254	ug/l	100
41) Methacrylonitrile	7.48	41	136383	54.611	ug/l	90
42) 1,2-Dichloroethane	8.40	62	379842	52.370	ug/l	98
43) Isopropyl Acetate	8.42	43	391542	48.128	ug/l	98
44) Trichloroethene	9.09	130	390550	51.641	ug/l	100
45) 1,2-Dichloropropane	9.37	63	365993	53.364	ug/l	98
46) Dibromomethane	9.45	93	168384	49.732	ug/l	98
47) Bromodichloromethane	9.64	83	447474	53.531	ug/l	100
48) Methyl methacrylate	9.43	41	179489	45.188	ug/l	95
49) 1,4-Dioxane	9.45	88	58595	925.287	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1006671	238.281	ug/l	98
52) Toluene	10.38	92	921773	52.424	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	439406	50.770	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	550396	52.033	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	241844	48.908	ug/l	99
56) Ethyl methacrylate	10.64	69	313890	48.844	ug/l	97
57) 1,3-Dichloropropane	10.93	76	431512	49.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	543540	278.101	ug/l	98
59) 2-Hexanone	10.96	43	720496	247.490	ug/l	98
60) Dibromochloromethane	11.13	129	278199	49.863	ug/l	98
61) 1,2-Dibromoethane	11.23	107	224357	47.798	ug/l	99
64) Tetrachloroethene	10.86	164	320235	50.486	ug/l	98
65) Chlorobenzene	11.65	112	932492	51.950	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	317404	52.519	ug/l	100
67) Ethyl Benzene	11.73	91	1731796	53.536	ug/l	98
68) m/p-Xylenes	11.83	106	1311325	105.920	ug/l	99
69) o-Xylene	12.16	106	598626	52.346	ug/l	98
70) Styrene	12.18	104	1037769	53.651	ug/l	99
71) Bromoform	12.35	173	155733	47.242	ug/l	# 99
73) Isopropylbenzene	12.46	105	1660351	52.805	ug/l	99
74) N-amyl acetate	12.27	43	346157	49.099	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	270819	47.719	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	203954m	50.339	ug/l	
77) Bromobenzene	12.74	156	367951	50.384	ug/l	97
78) n-propylbenzene	12.80	91	2004884	54.225	ug/l	99
79) 2-Chlorotoluene	12.89	91	1103639	52.452	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1388468	52.592	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	89215	49.060	ug/l	97
82) 4-Chlorotoluene	12.99	91	1151046	52.655	ug/l	100
83) tert-Butylbenzene	13.20	119	1218559	52.718	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1379934	52.524	ug/l	99
85) sec-Butylbenzene	13.38	105	1684507	52.650	ug/l	100
86) p-Isopropyltoluene	13.49	119	1546184	53.019	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	731678	51.523	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	710517	50.679	ug/l	99
89) n-Butylbenzene	13.82	91	1471074	54.320	ug/l	99
90) Hexachloroethane	14.09	117	267702	52.547	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	621889	49.824	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	40548	45.117	ug/l	96

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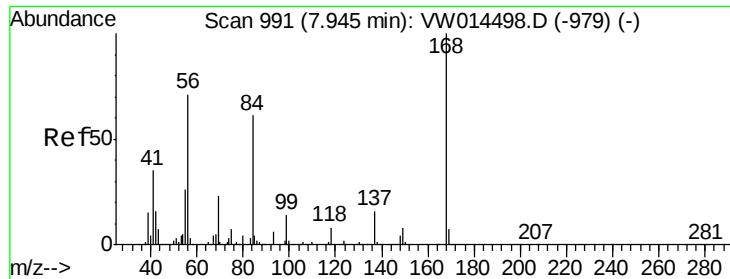
Manual Integrations
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1/24/2020 4:02:26 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
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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	438656	52.042	ug/l	100
94) Hexachlorobutadiene	15.24	225	292309	51.750	ug/l	96
95) Naphthalene	15.36	128	739351	51.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	384047	52.272	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 693283

Ion Ratio Lower Upper

168 100

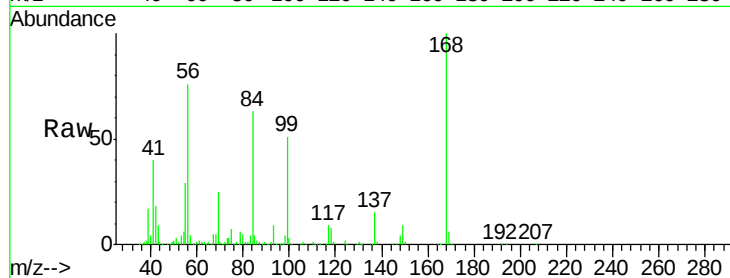
99 50.7 41.1 61.7

Manual Integrations

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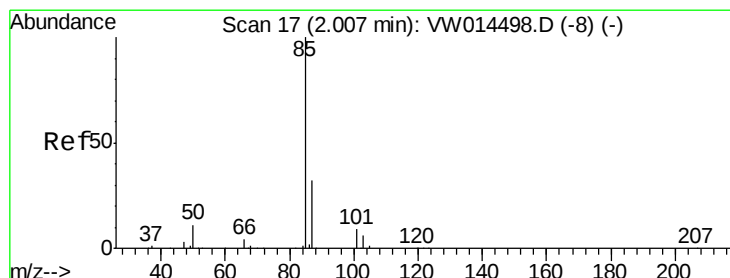
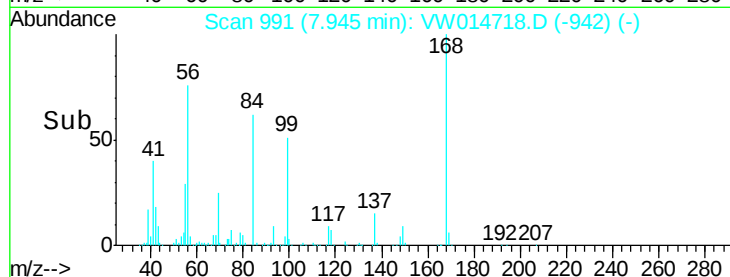
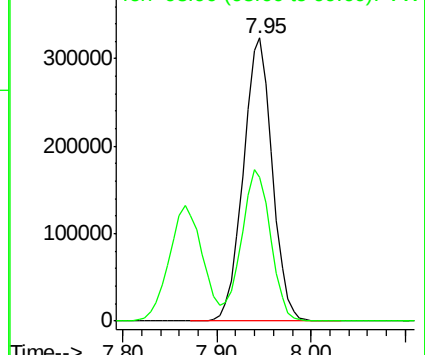
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.447 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014718.D

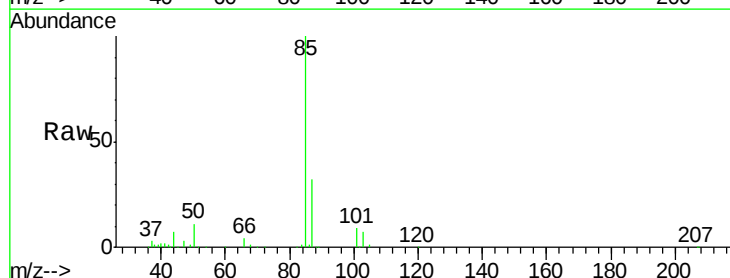
Acq: 23 Jan 2020 10:18

Tgt Ion: 85 Resp: 181814

Ion Ratio Lower Upper

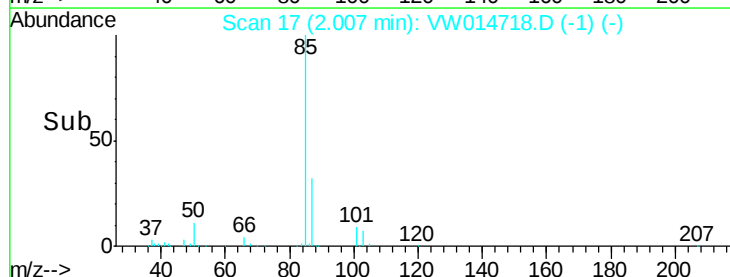
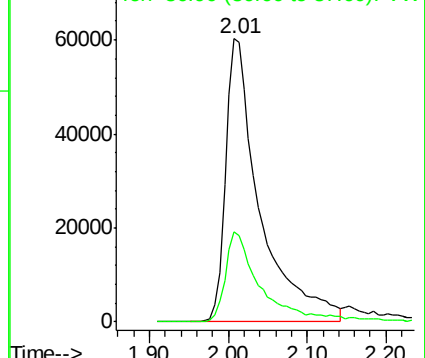
85 100

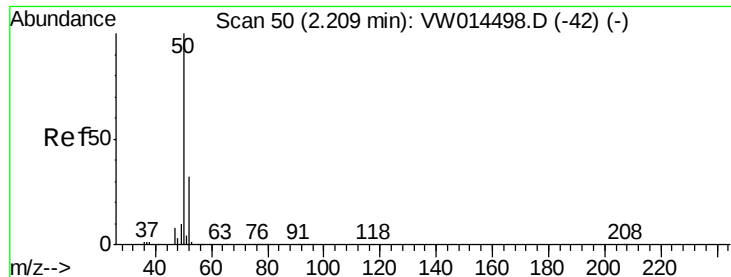
87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.178 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 250005

Ion Ratio Lower Upper

50 100

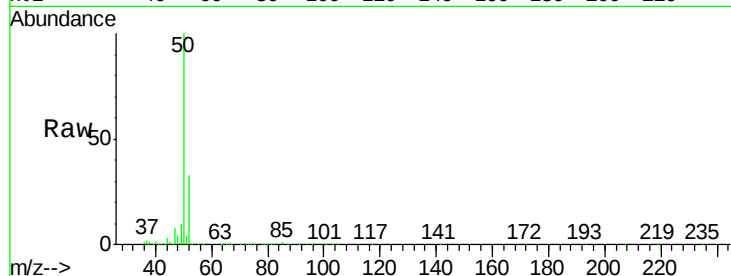
52 33.2 25.8 38.8

Manual Integrations

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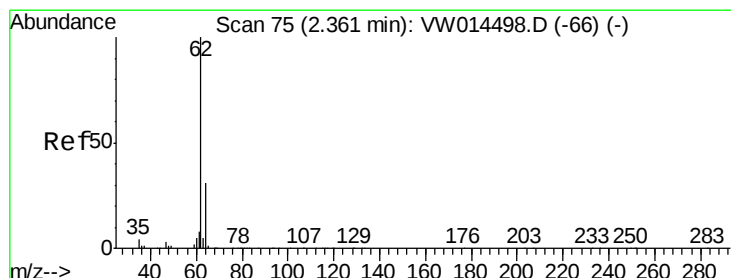
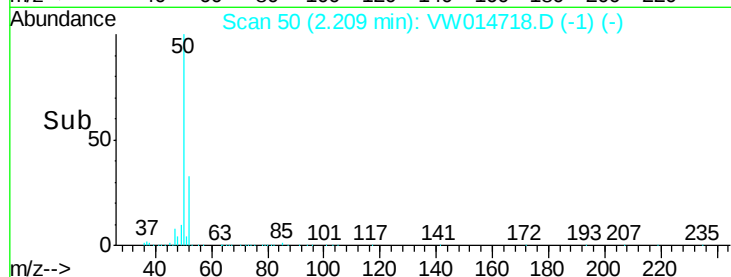
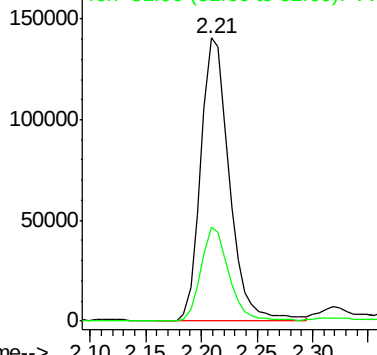
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 53.742 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014718.D

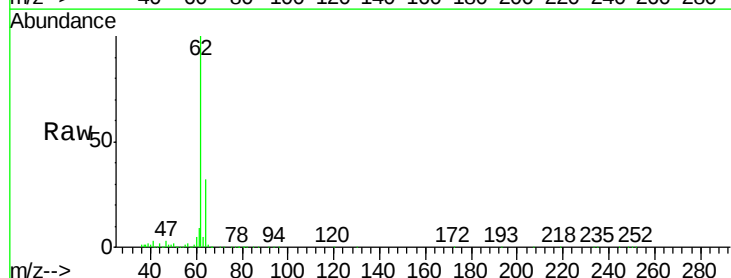
Acq: 23 Jan 2020 10:18

Tgt Ion: 62 Resp: 378732

Ion Ratio Lower Upper

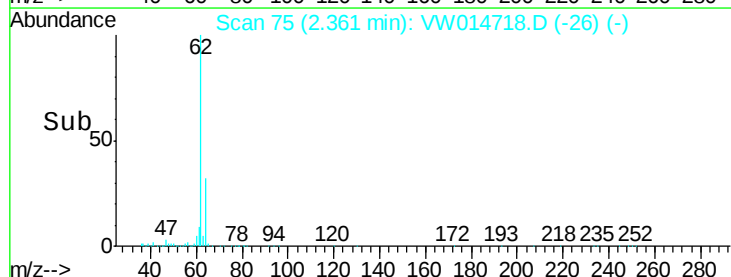
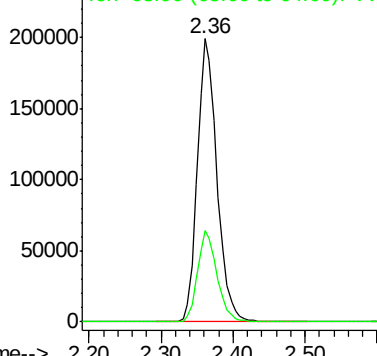
62 100

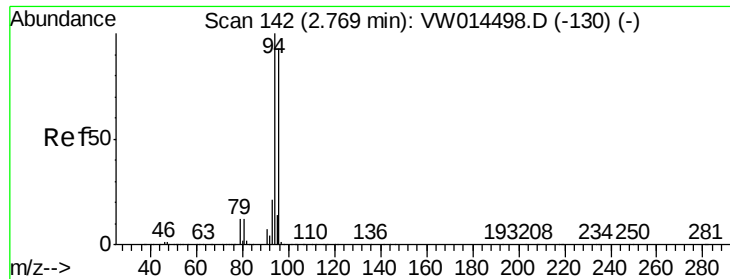
64 32.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 51.056 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 222268

Ion Ratio Lower Upper

94 100

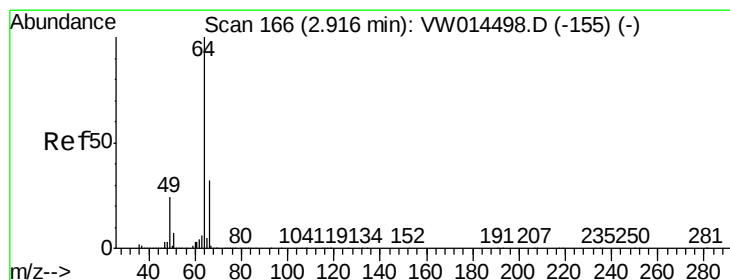
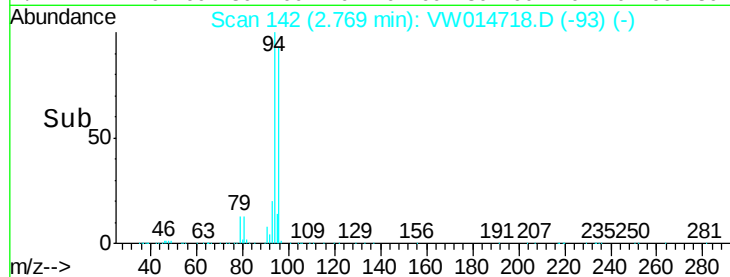
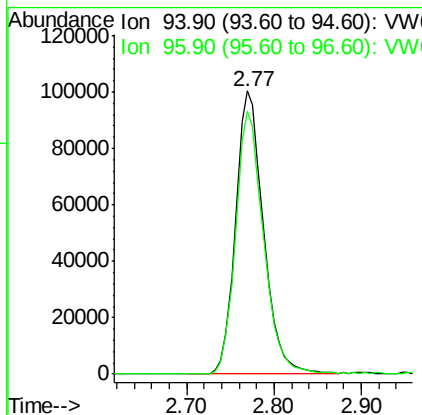
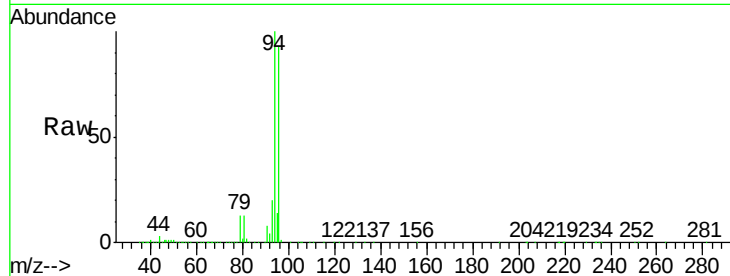
96 92.9 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 53.714 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014718.D

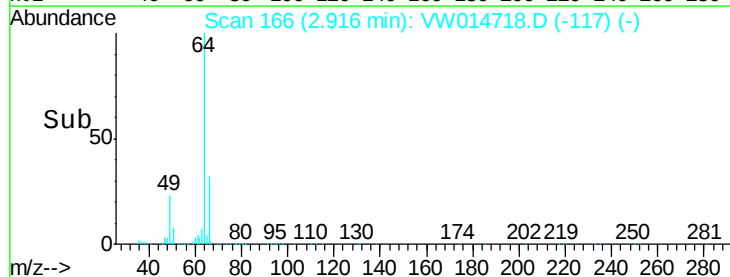
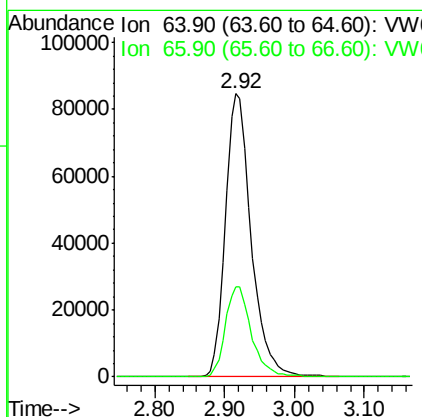
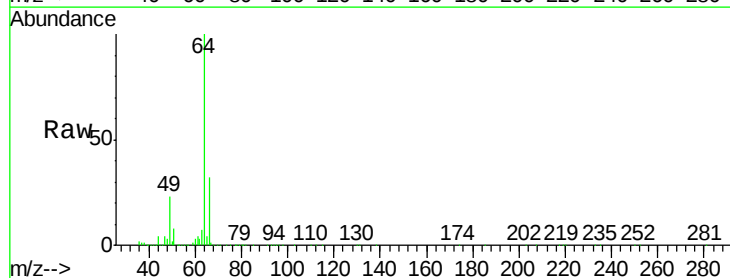
Acq: 23 Jan 2020 10:18

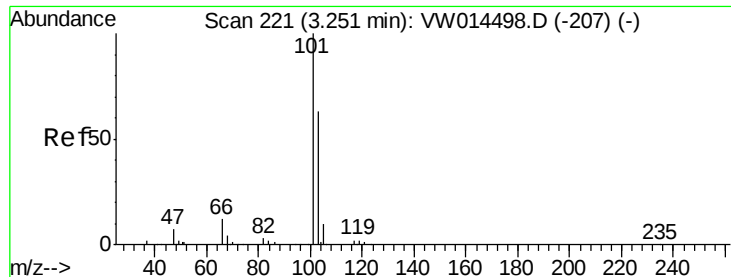
Tgt Ion: 64 Resp: 215781

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5





#7

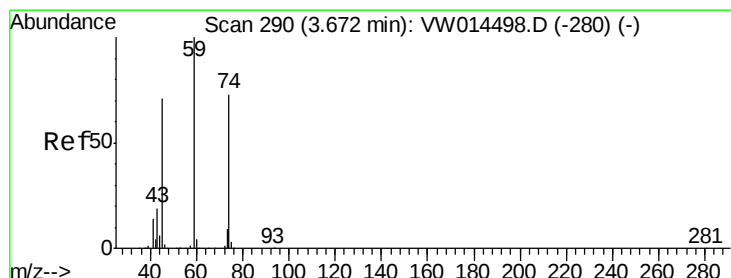
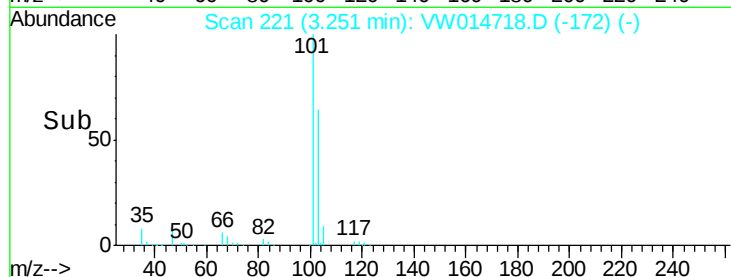
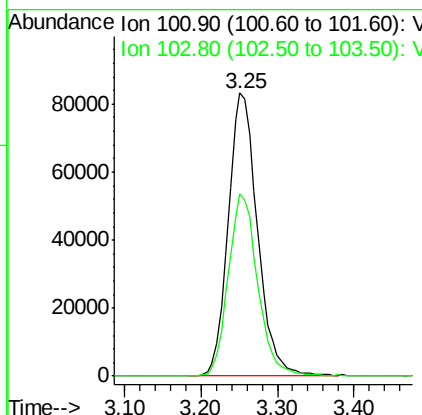
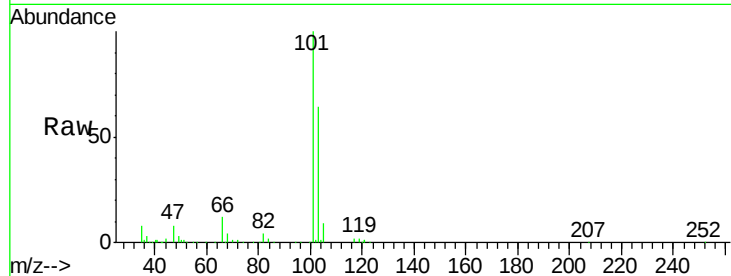
Trichlorofluoromethane
Concen: 62.557 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	220575		
103	64.3	50.1	75.1	

Manual Integrations
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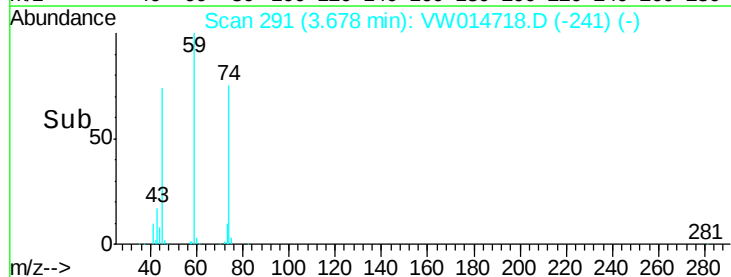
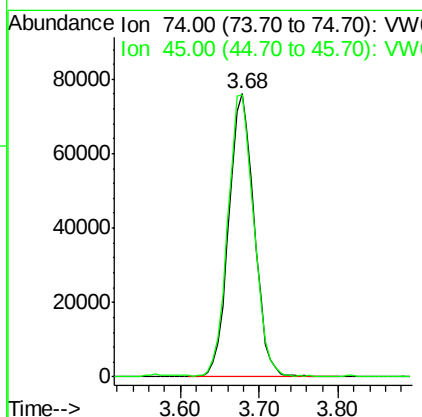
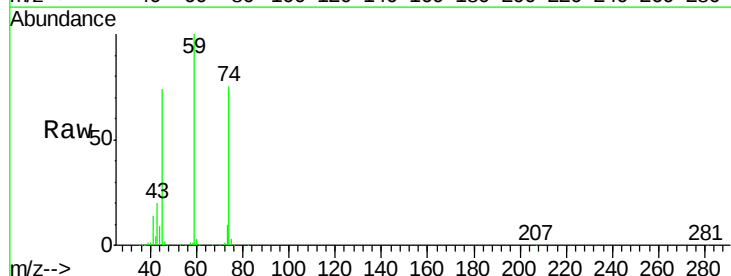
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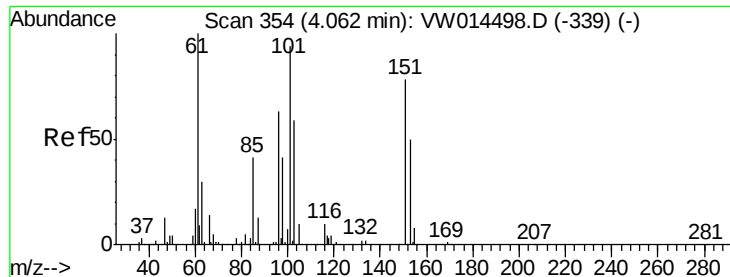


#8

Diethyl Ether
Concen: 48.558 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	170354		
45	101.6	48.6	145.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.706 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014718.D

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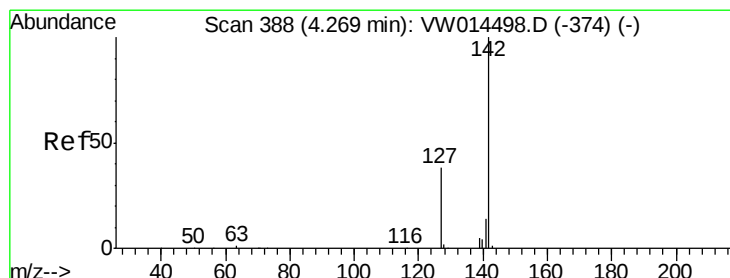
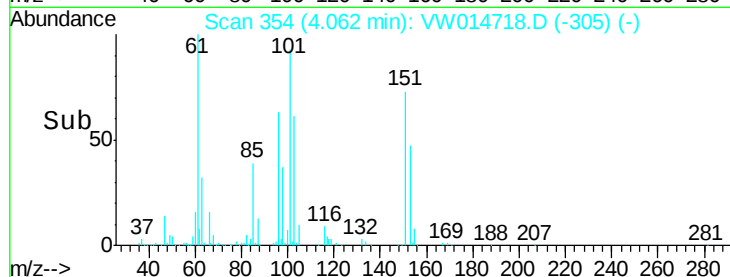
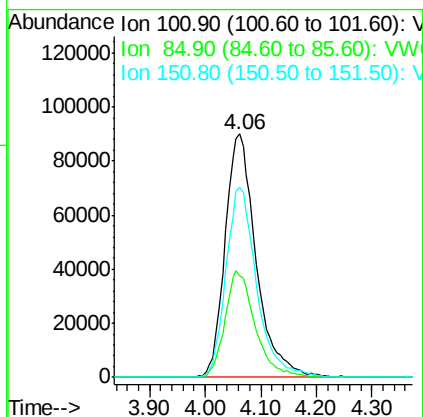
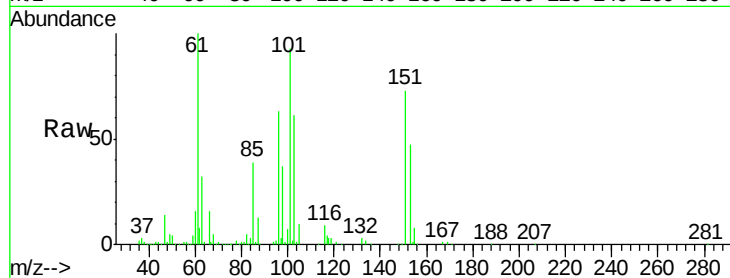
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	347238
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.7	50.5
151	77.5	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.878 ug/l

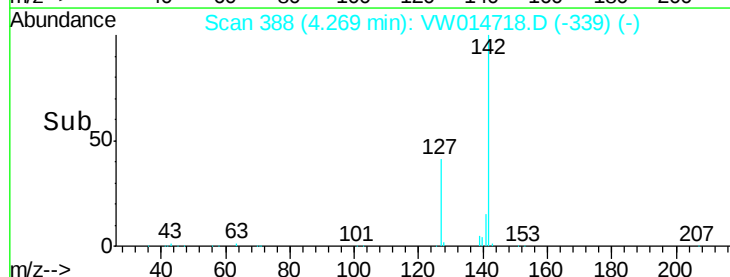
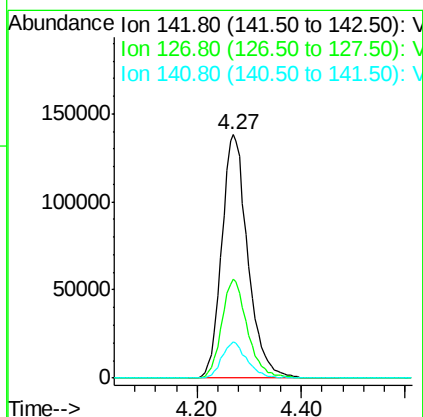
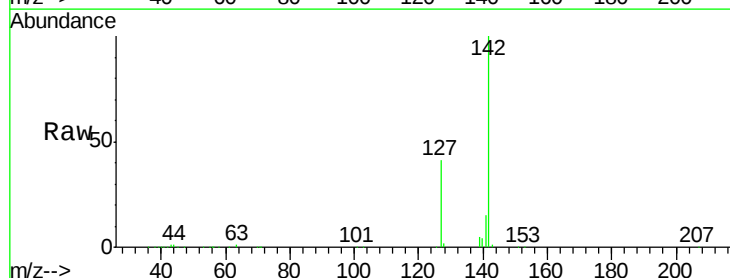
RT: 4.27 min Scan# 388

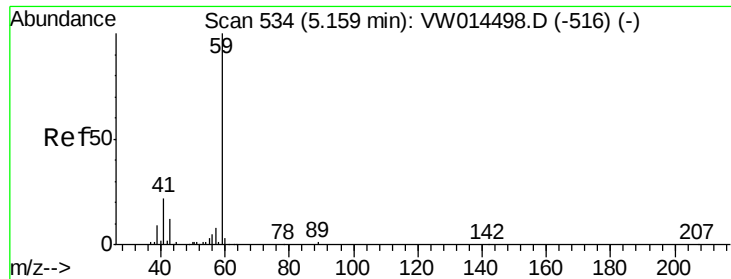
Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	142	Resp:	485867
Ion Ratio	Lower	Upper	
142	100		
127	40.2	30.2	45.4
141	14.5	11.4	17.2





#11

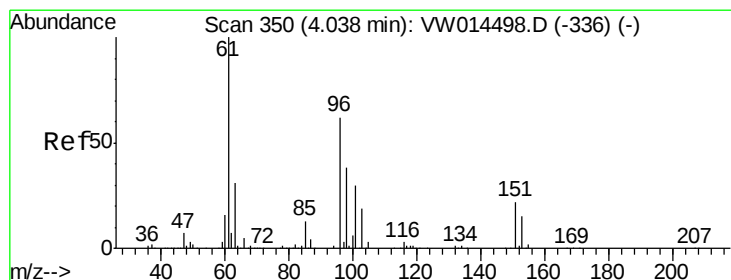
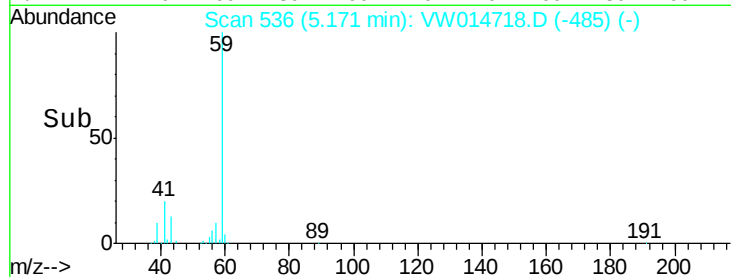
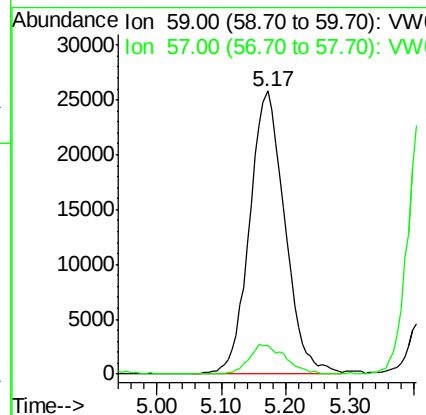
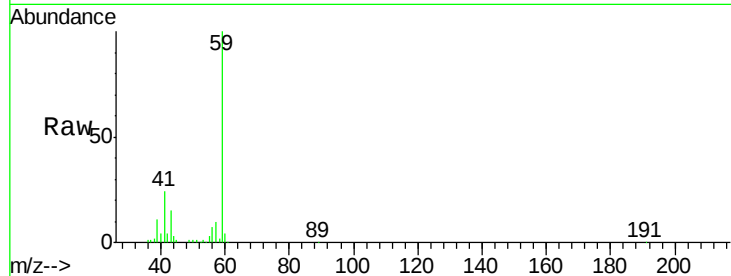
Tert butyl alcohol
Concen: 203.996 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8

Manual Integrations
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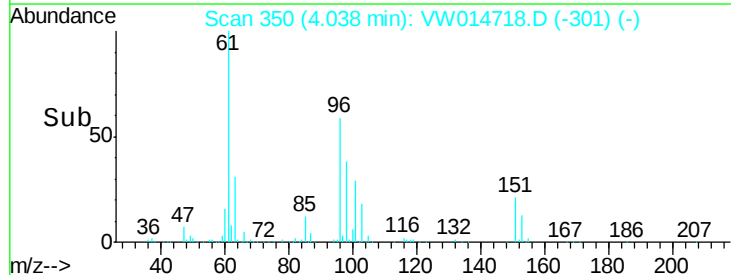
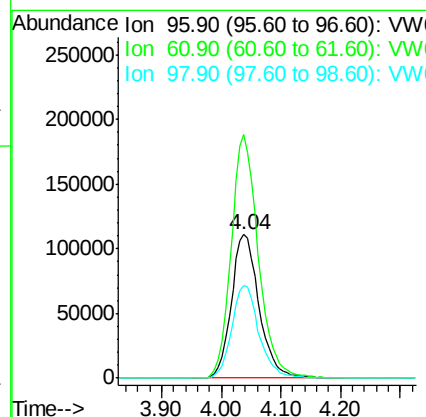
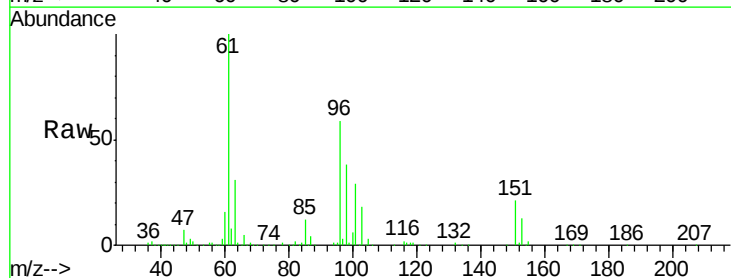
MMDadoda
1/24/2020 4:02:26 PM

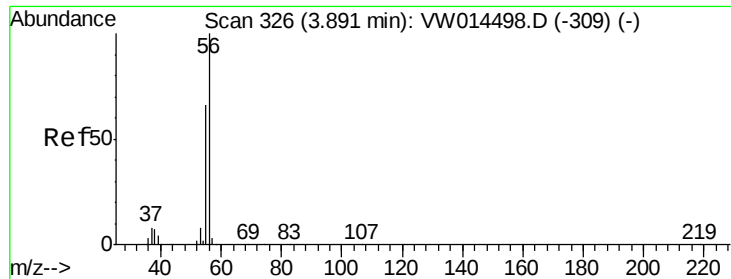


#12

1,1-Dichloroethene
Concen: 51.846 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	128.4	192.6
98	64.7	49.1	73.7





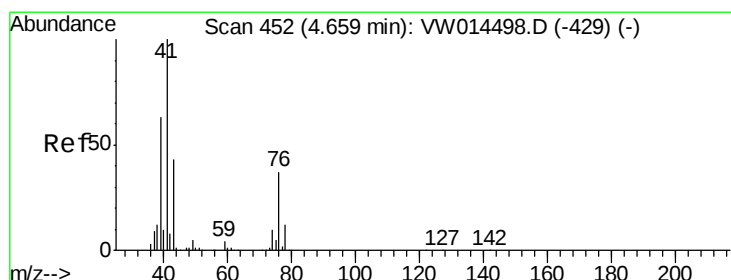
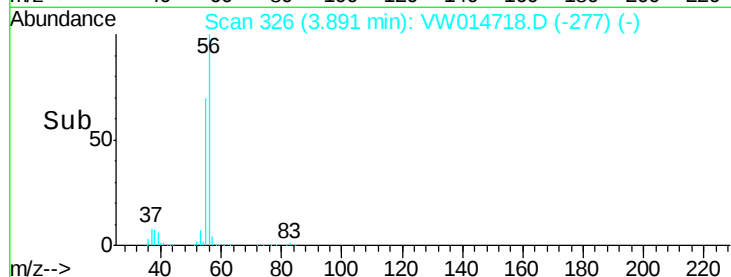
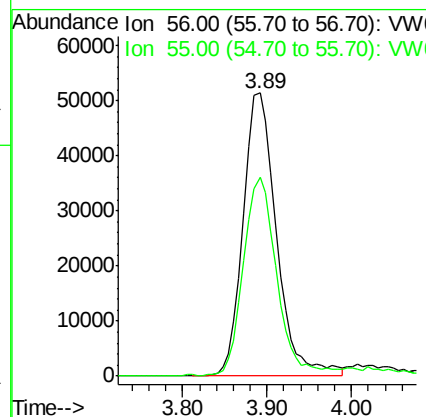
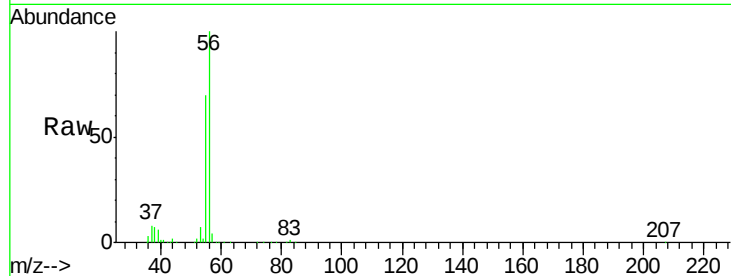
#13
Acrolein
Concen: 261.335 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.7	85.1

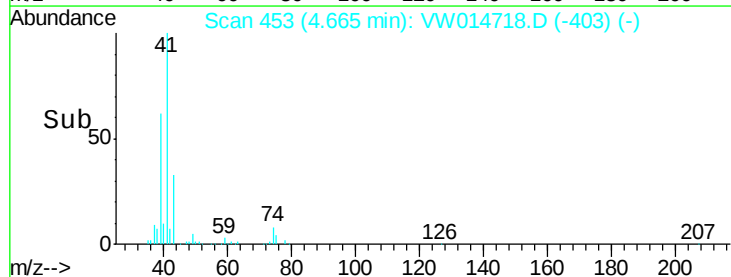
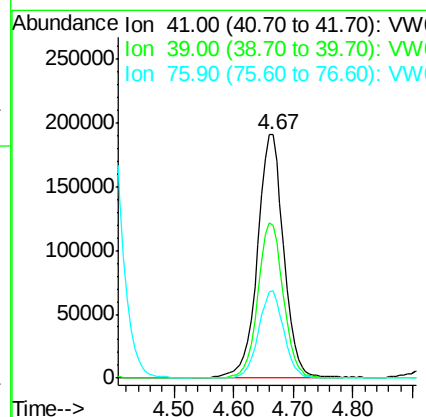
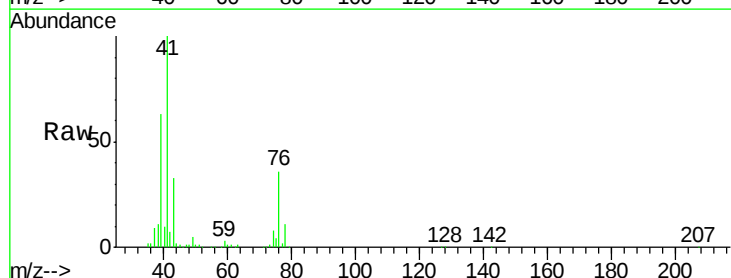
Manual Integrations
APPROVED

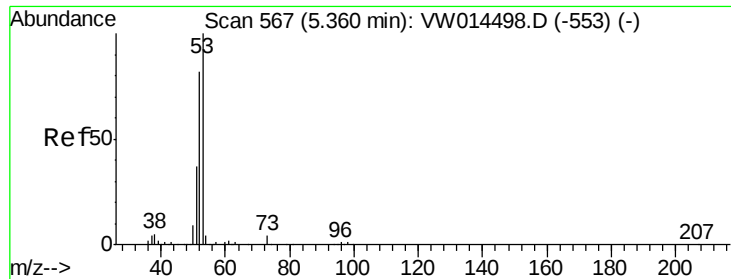
MMDadoda
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#14
Allyl chloride
Concen: 55.371 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.9	48.5	72.7
76	34.0	28.1	42.1





#15

Acrylonitrile

Concen: 236.232 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

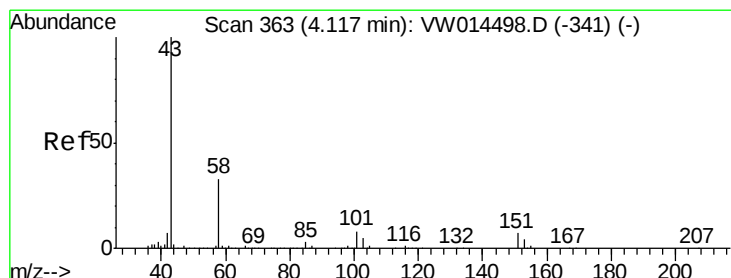
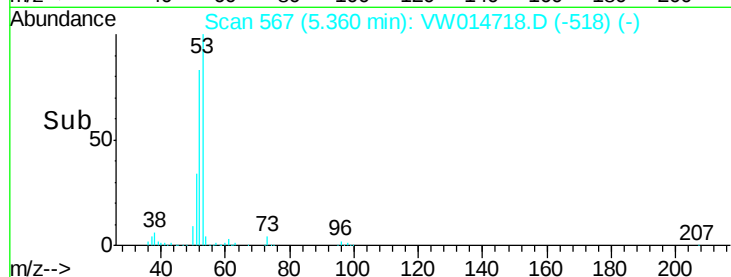
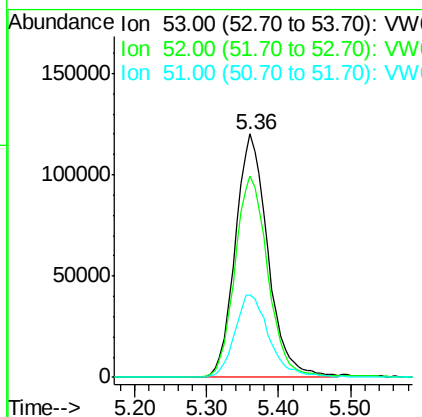
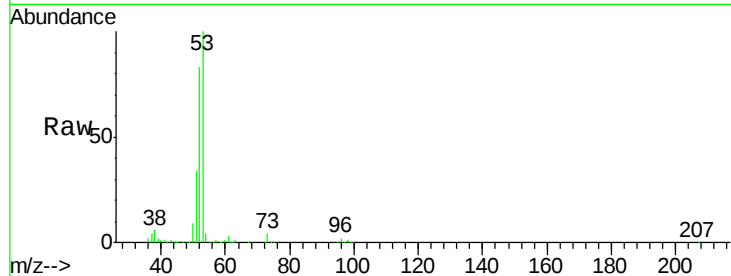
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	378822
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.5	99.7
51	35.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 251.253 ug/l

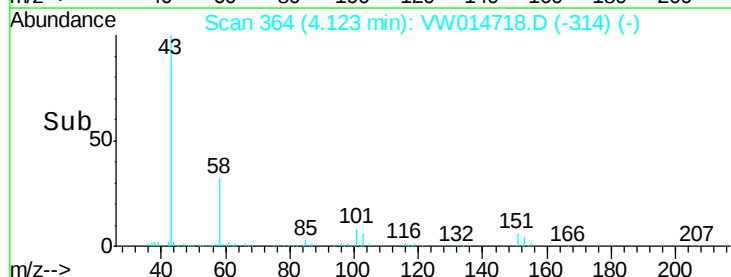
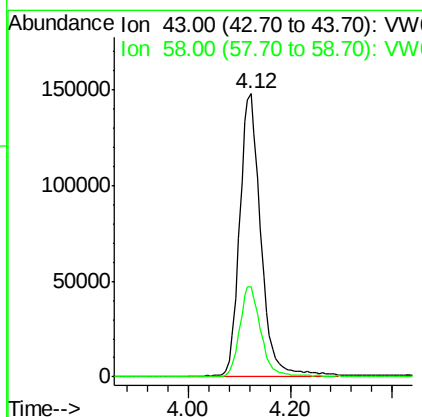
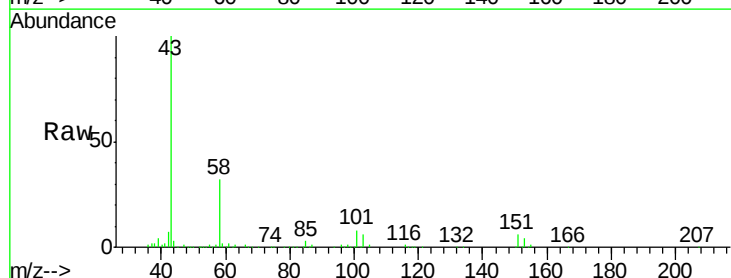
RT: 4.12 min Scan# 364

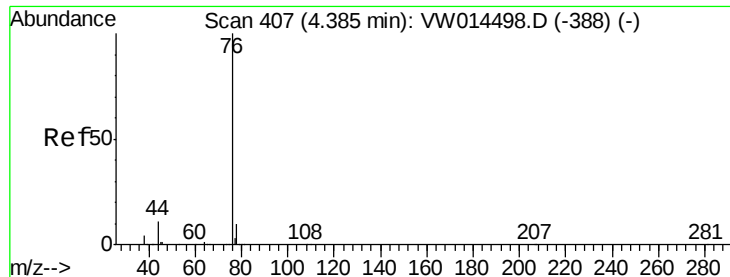
Delta R.T. 0.01 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	43	Resp:	430034
Ion Ratio	Lower	Upper	
43	100		
58	31.7	26.6	39.8





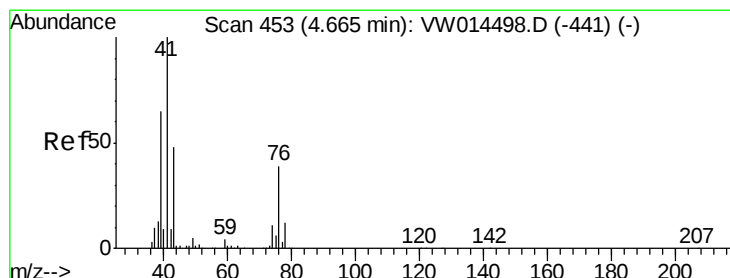
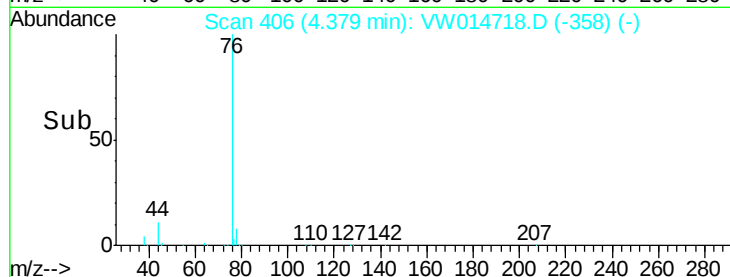
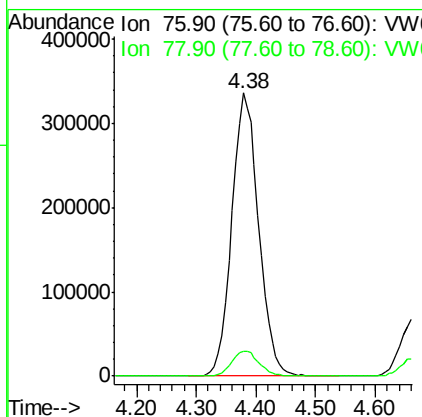
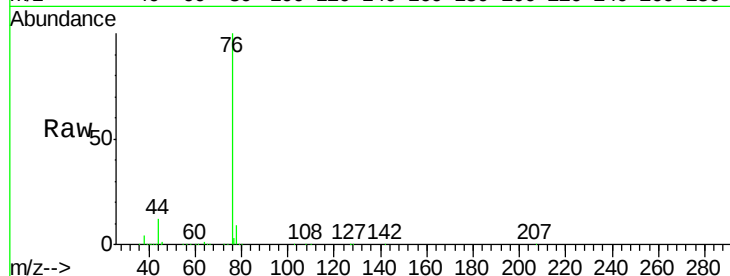
#17
Carbon Disulfide
Concen: 50.465 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1049370
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6

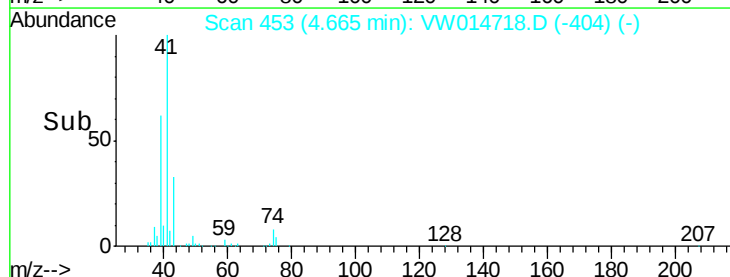
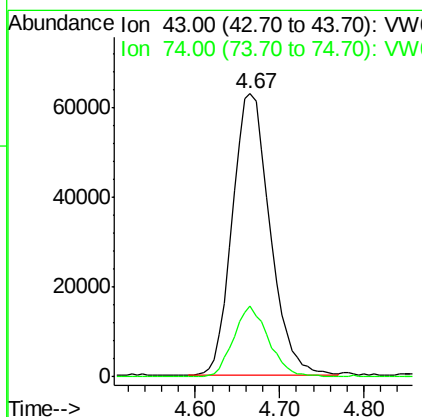
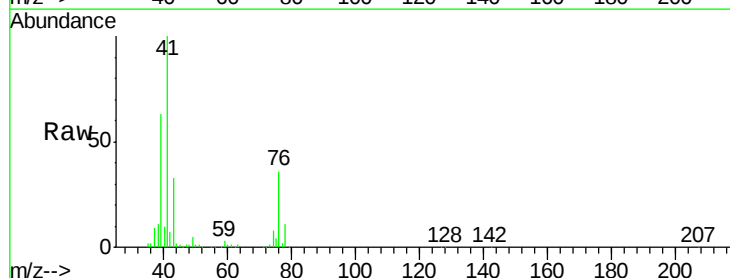
Manual Integrations
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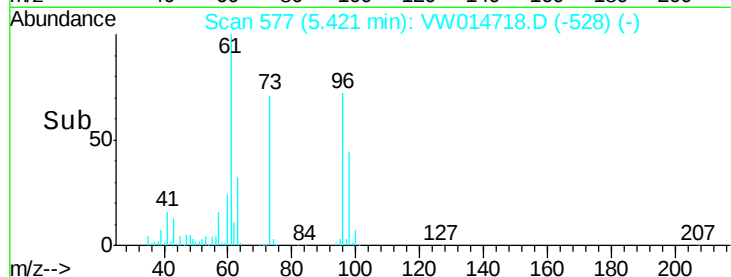
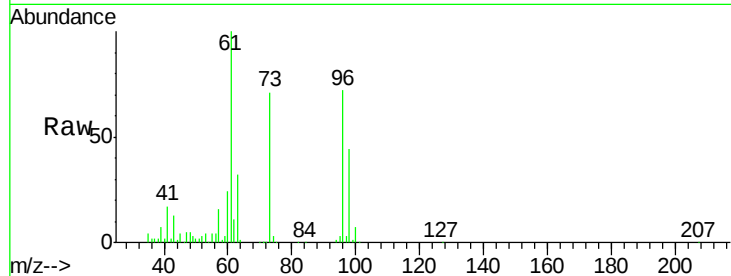
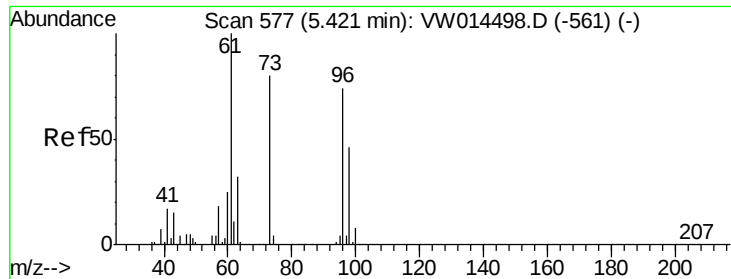
MMDadoda
1/24/2020 4:02:26 PM



#18
Methyl Acetate
Concen: 46.232 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion: 43 Resp: 191106
Ion Ratio Lower Upper
43 100
74 23.4 19.3 28.9





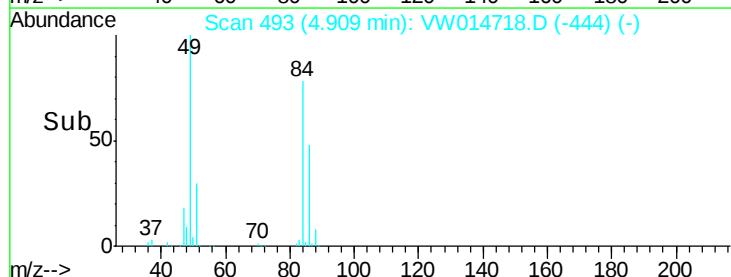
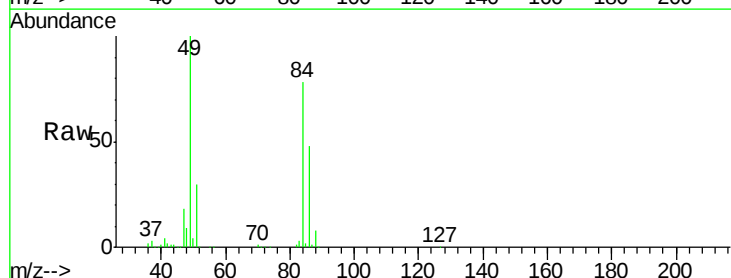
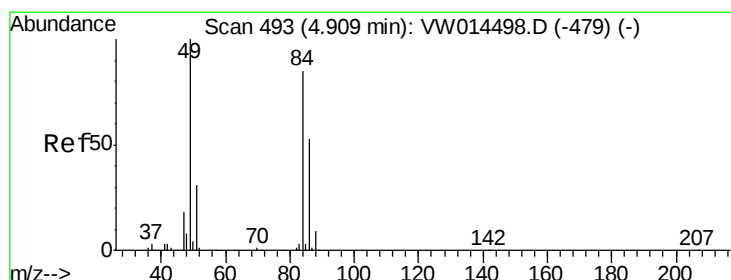
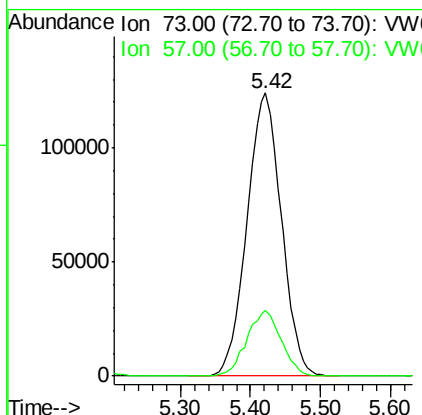
#19
Methyl tert-butyl Ether
Concen: 49.564 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tot Ion: 73 Resp: 424472
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

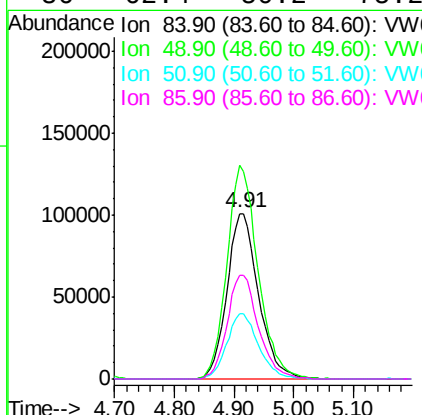
Manual Integrations
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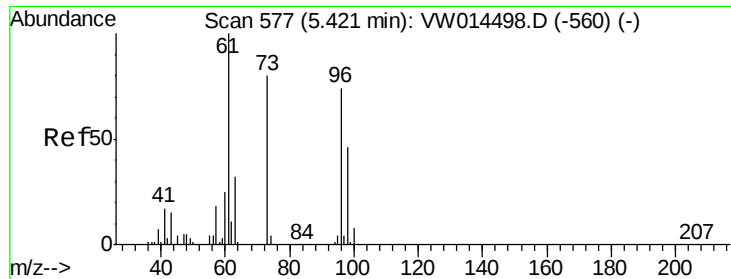
MMDadoda
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#20
Methylene Chloride
Concen: 53.997 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion: 84 Resp: 371310
Ion Ratio Lower Upper
84 100
49 129.0 94.4 141.6
51 39.0 29.5 44.3
86 62.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 51.732 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

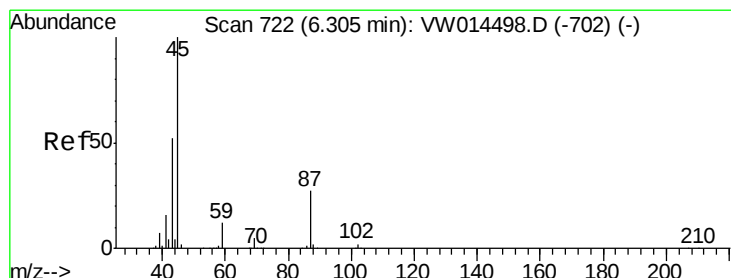
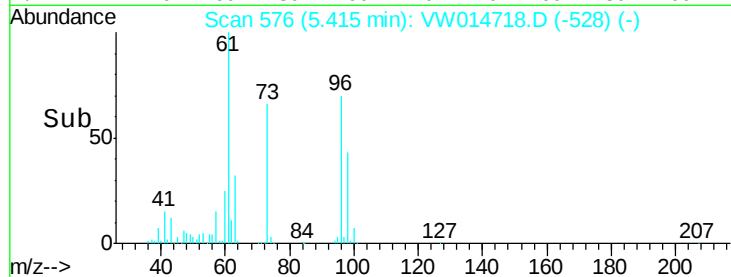
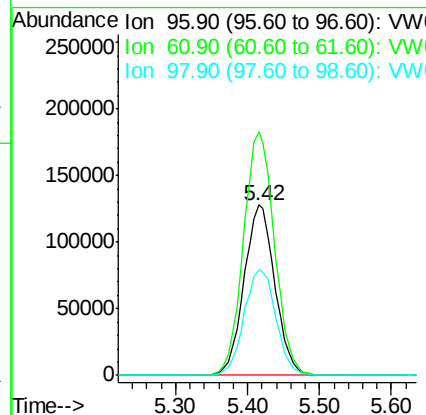
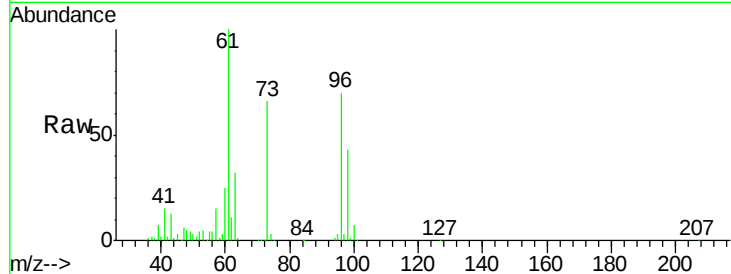
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	378971
Ion	Ratio	Lower	Upper
96	100		
61	143.2	107.8	161.6
98	62.0	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.948 ug/l

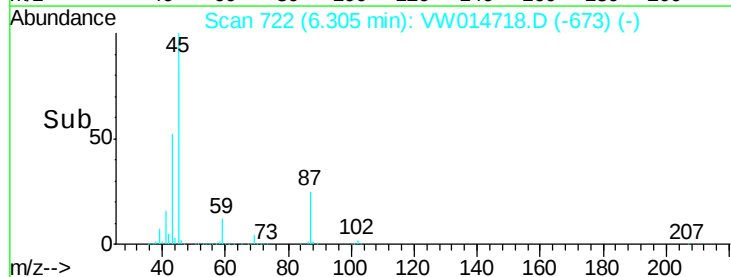
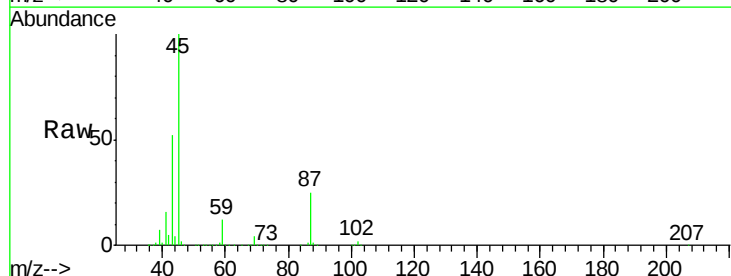
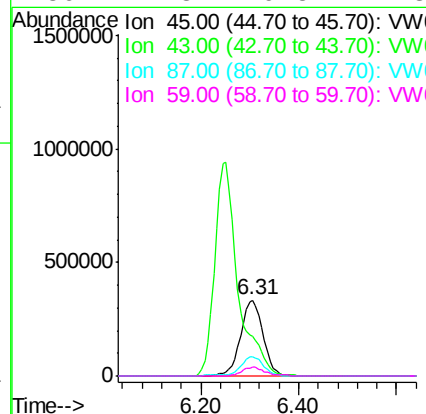
RT: 6.31 min Scan# 722

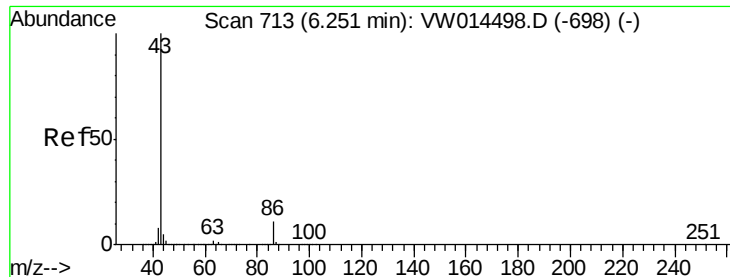
Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	45	Resp:	1064606
Ion	Ratio	Lower	Upper
45	100		
43	51.4	41.4	62.0
87	25.4	22.2	33.2
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 259.221 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3088997

Ion Ratio Lower Upper

43 100

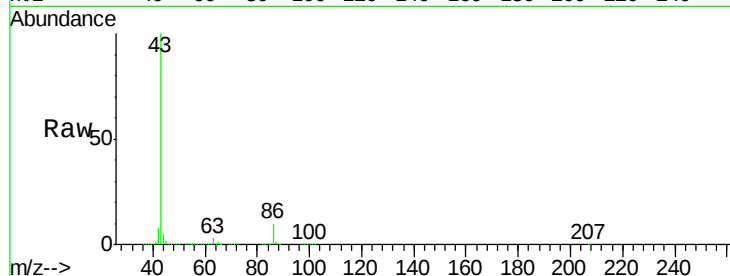
86 10.1 8.8 13.2

Manual Integrations

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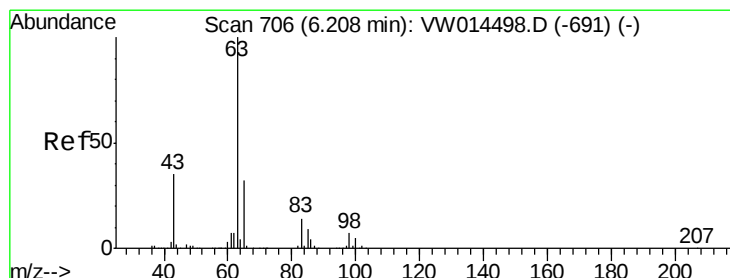
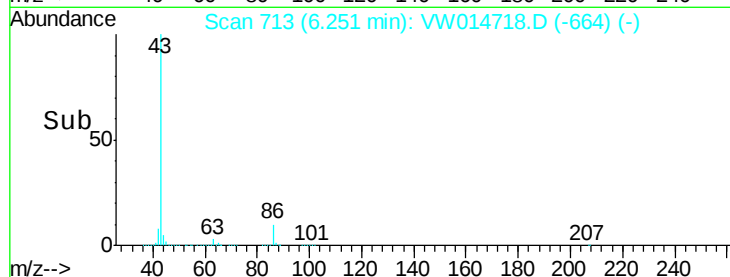
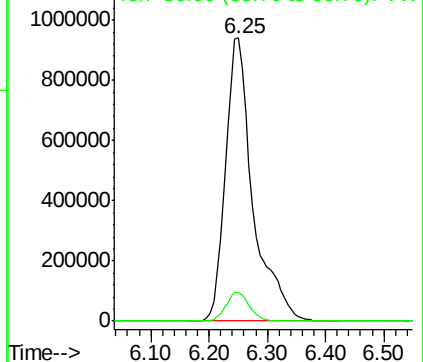
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.638 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

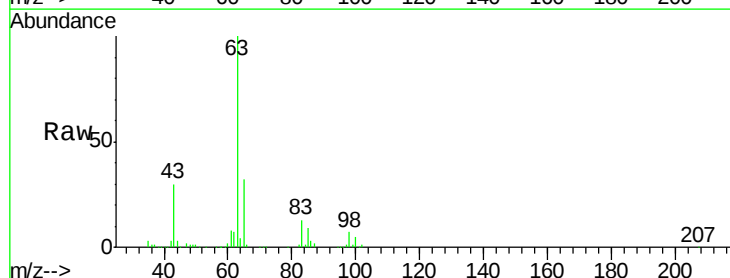
Tgt Ion: 63 Resp: 680131

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

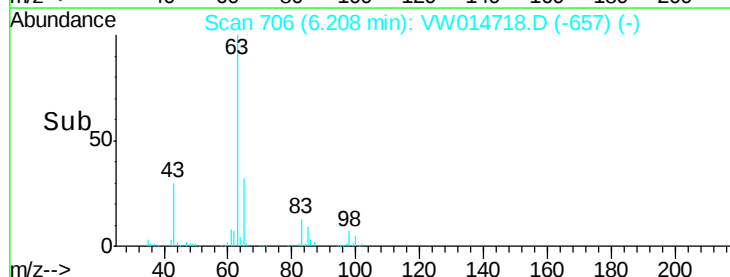
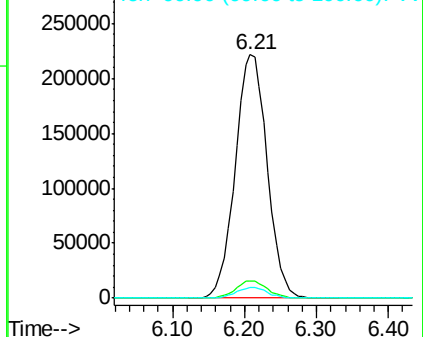
100 4.6 2.5 7.4

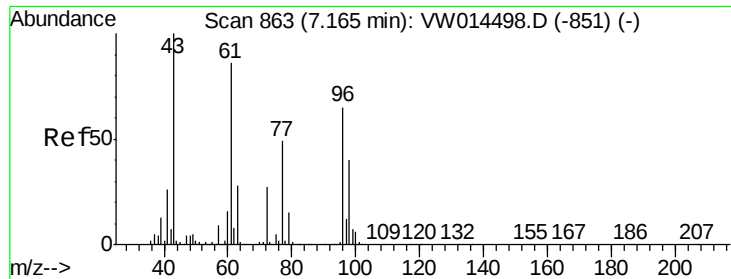


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 237.757 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 522231

Ion Ratio Lower Upper

43 100

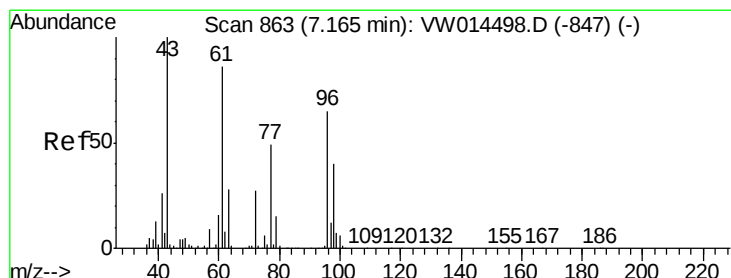
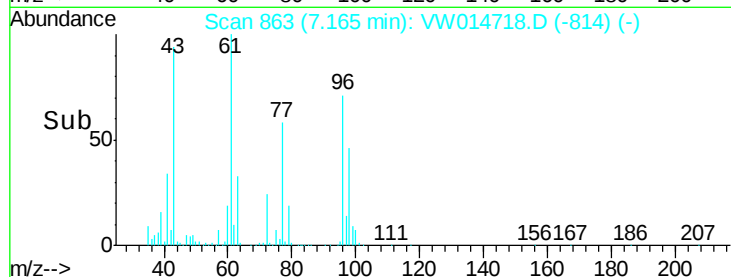
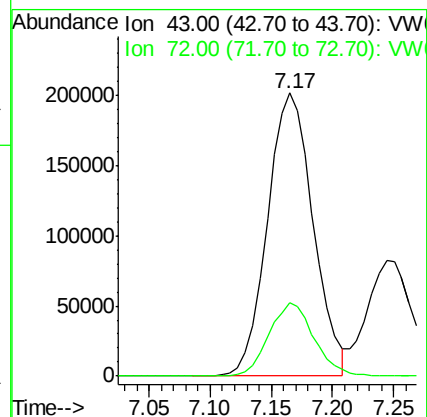
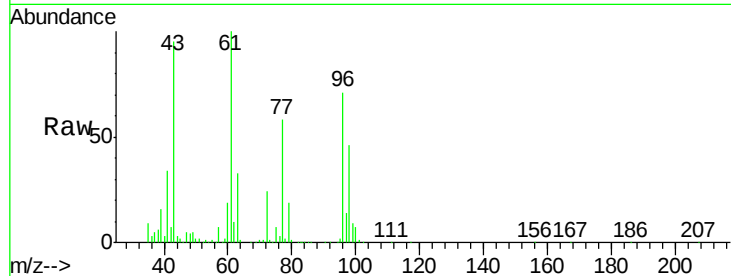
72 25.9 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.211 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014718.D

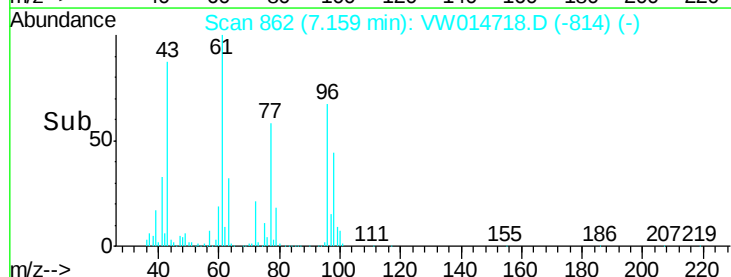
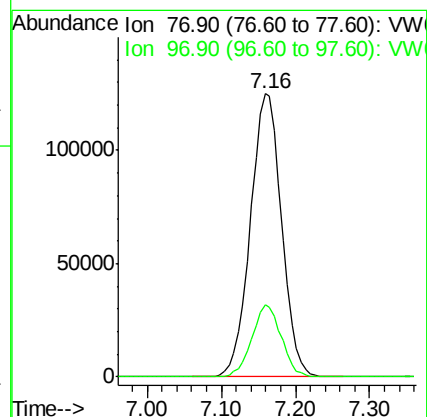
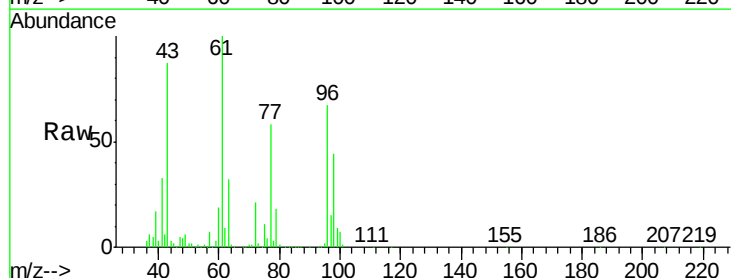
Acq: 23 Jan 2020 10:18

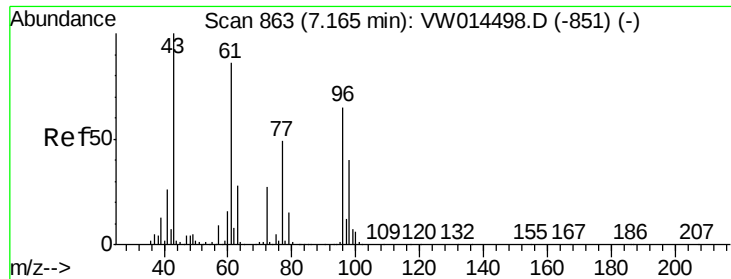
Tgt Ion: 77 Resp: 366715

Ion Ratio Lower Upper

77 100

97 24.0 12.5 37.5





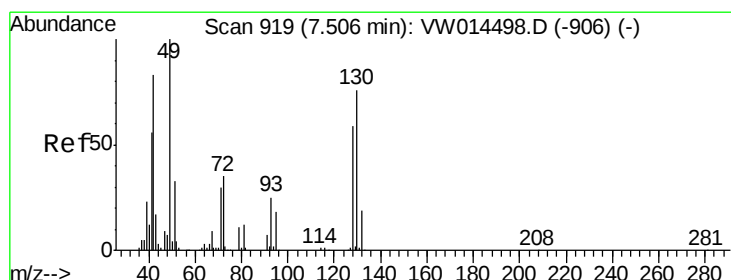
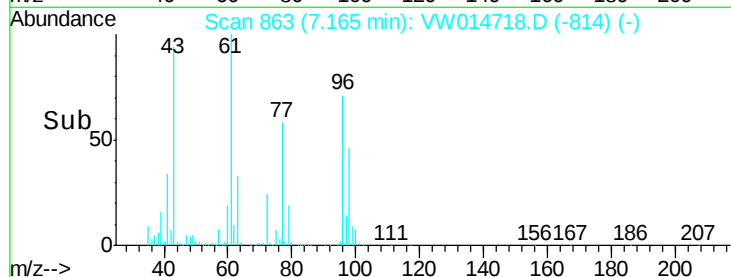
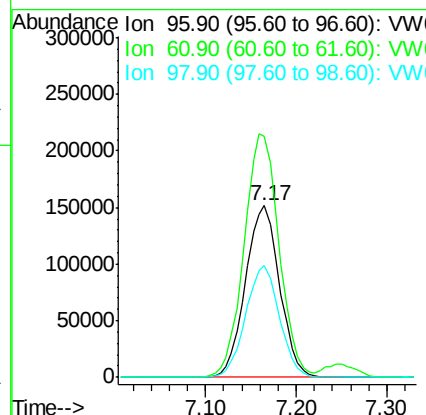
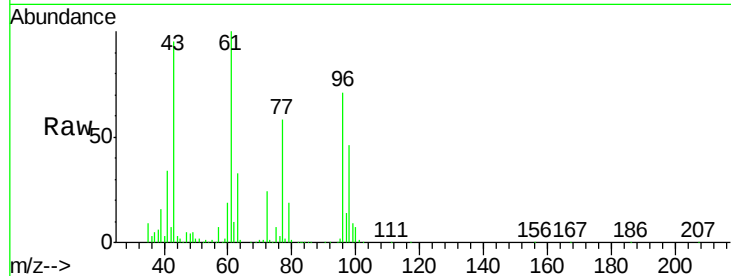
#27
 cis-1,2-Dichloroethene
 Concen: 51.266 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	394627		
61	145.3	0.0	274.8	
98	64.4	0.0	128.6	

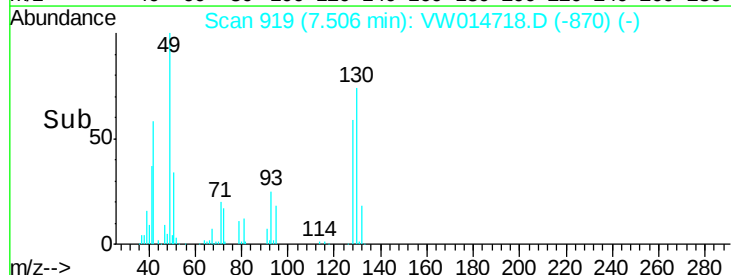
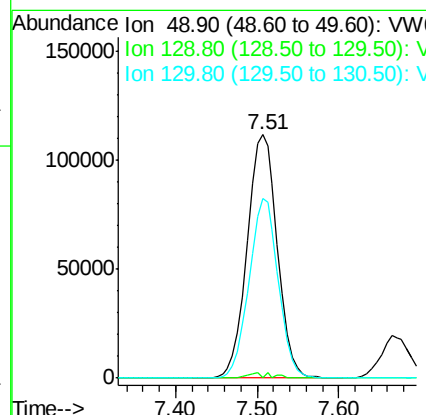
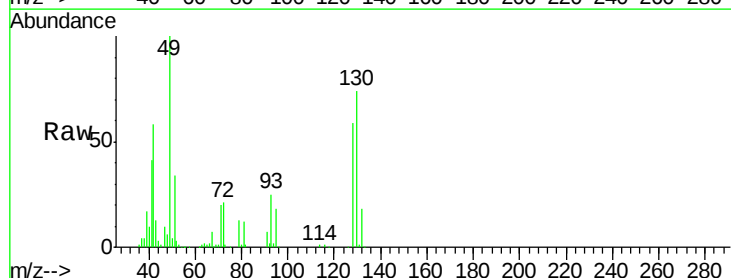
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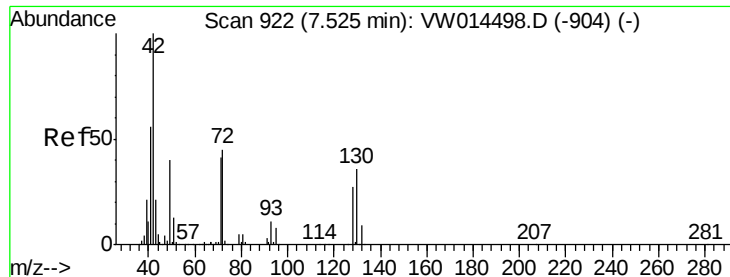
MMDadoda
 1/24/2020 4:02:26 PM



#28
 Bromochloromethane
 Concen: 58.739 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	286656		
129	1.0	0.0	2.0	
130	71.8	62.5	93.7	





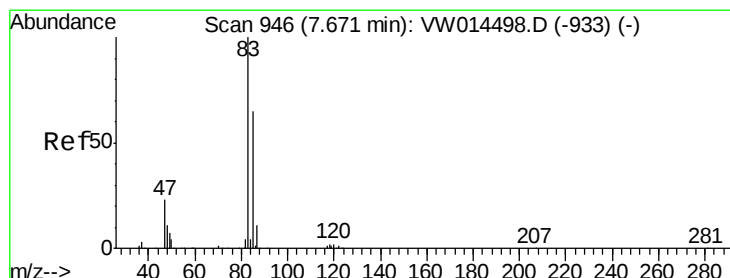
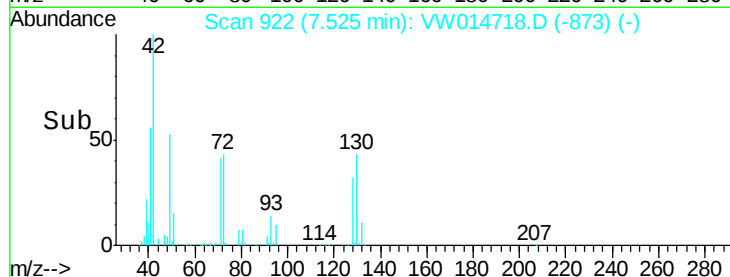
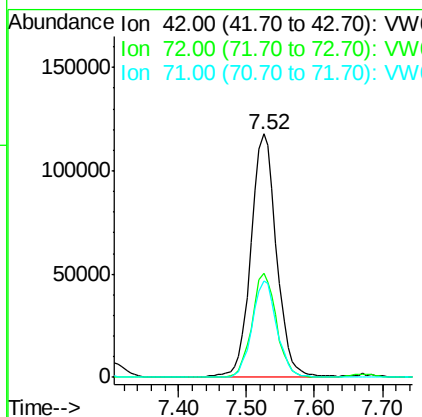
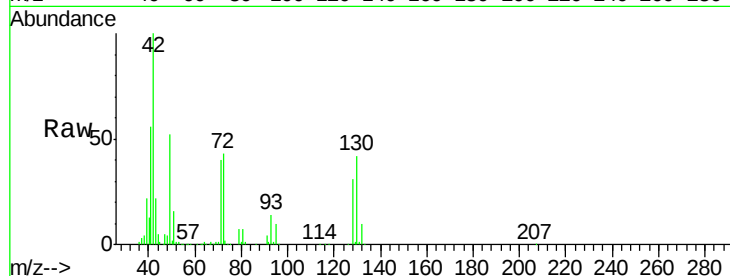
#29
Tetrahydrofuran
Concen: 227.176 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.5	51.7
71	38.4	32.0	48.0

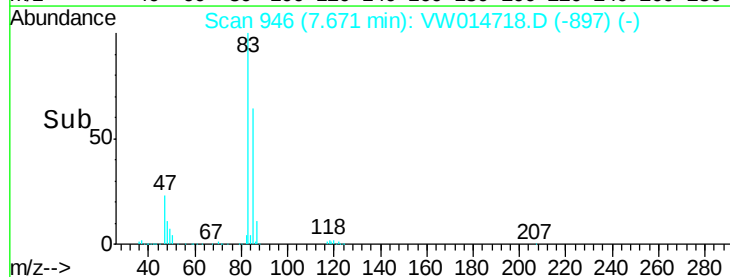
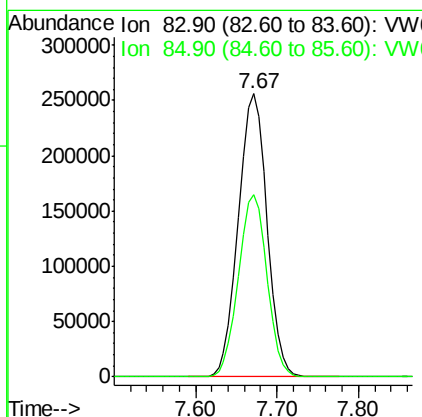
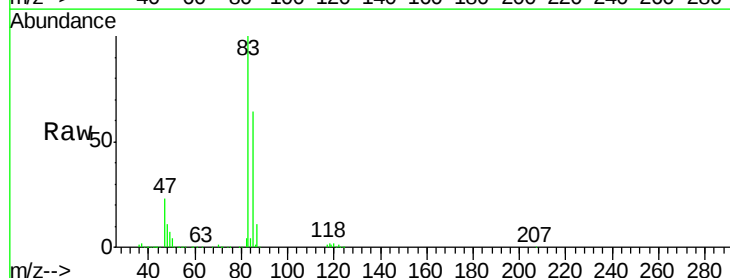
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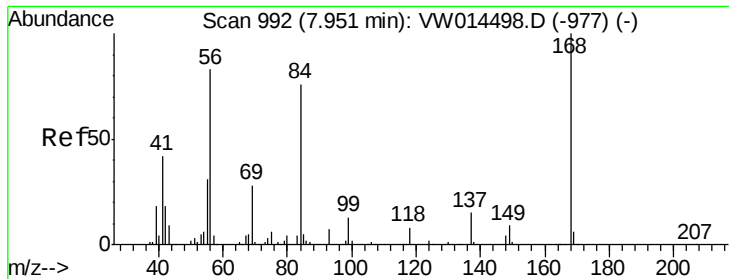
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#30
Chloroform
Concen: 53.739 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2





#31

Cyclohexane

Concen: 50.556 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

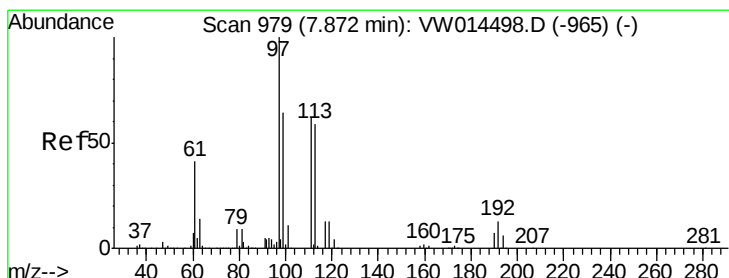
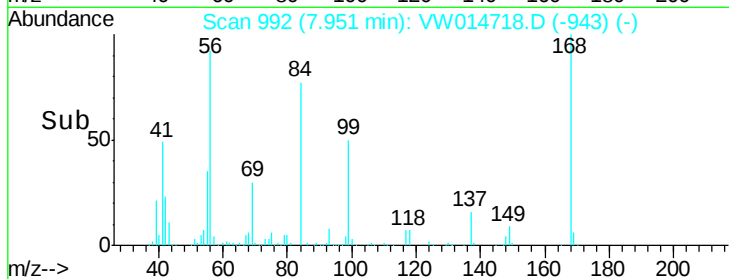
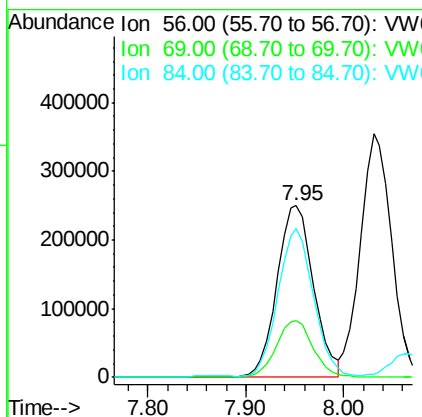
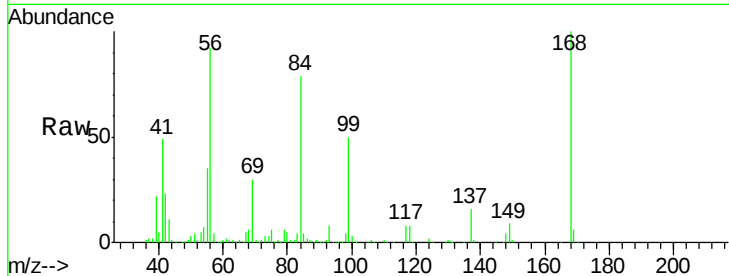
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	654017
Ion Ratio	Lower	Upper	
56	100		
69	33.0	26.8	40.2
84	86.0	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 54.284 ug/l

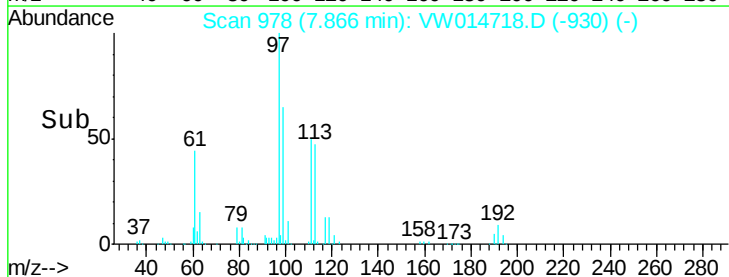
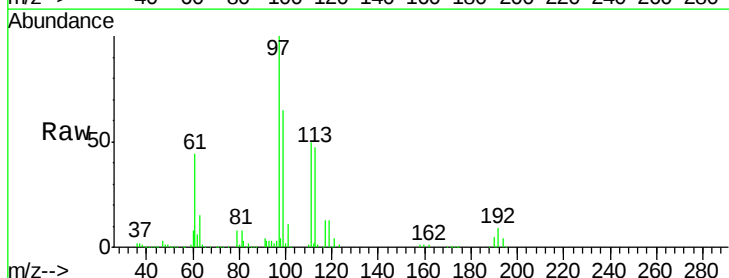
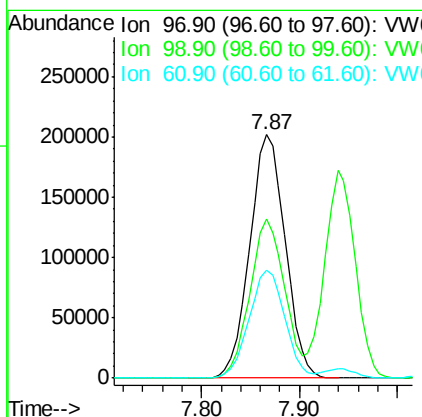
RT: 7.87 min Scan# 978

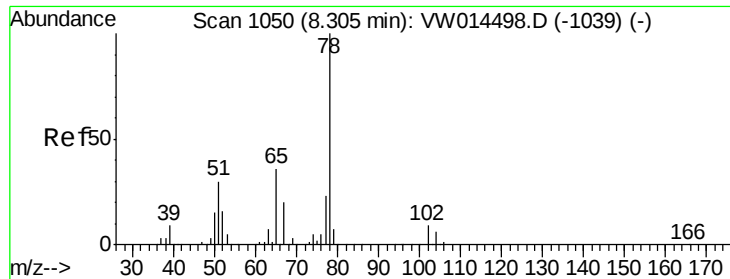
Delta R.T. -0.01 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	97	Resp:	508202
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.8	77.6
61	44.7	33.8	50.8





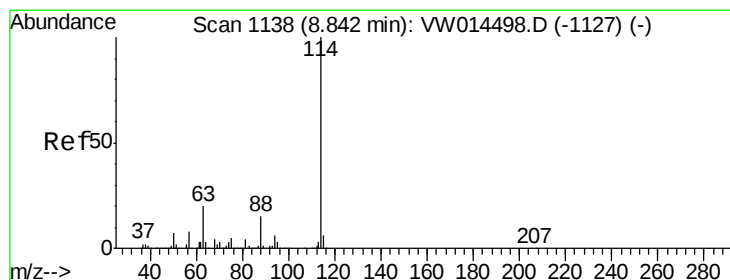
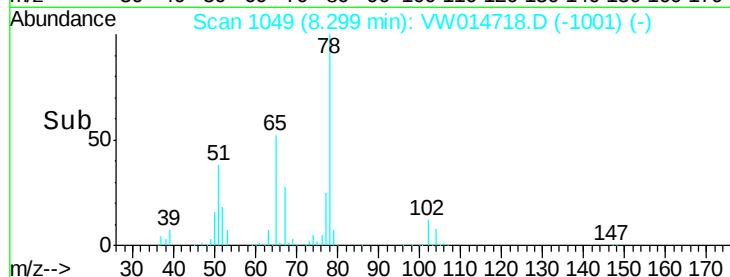
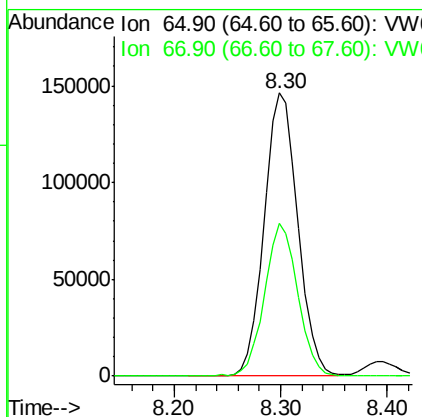
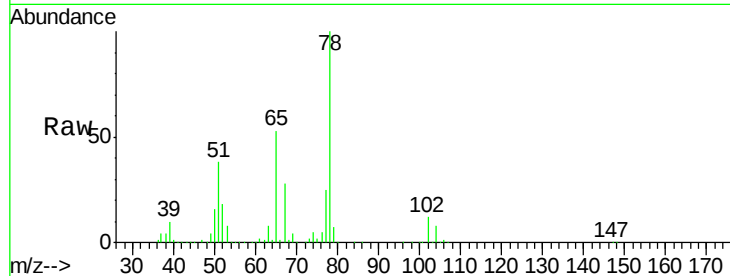
#33
 1,2-Dichloroethane-d4
 Concen: 53.137 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	322090		
67	53.5	0.0	108.4	

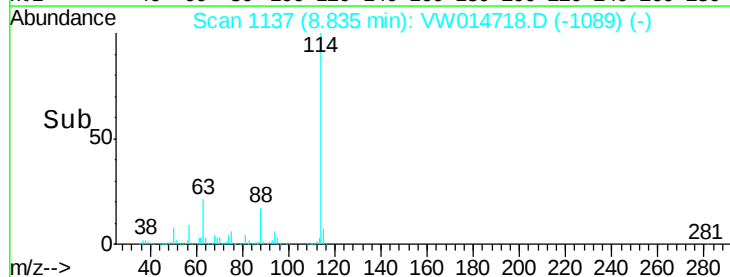
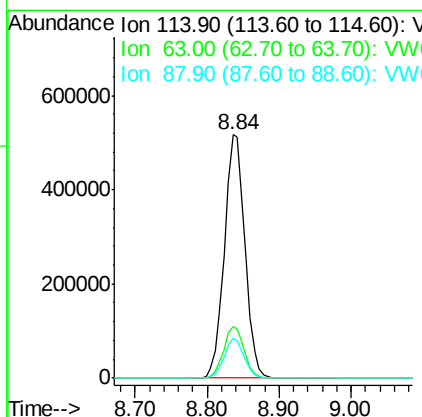
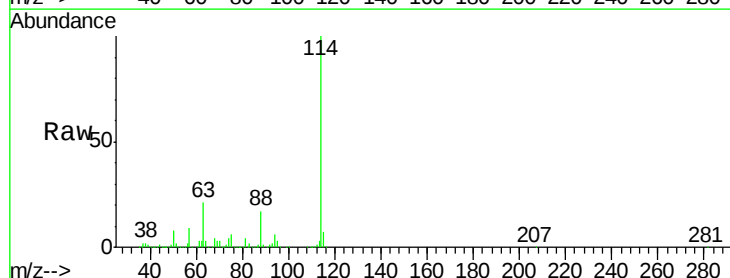
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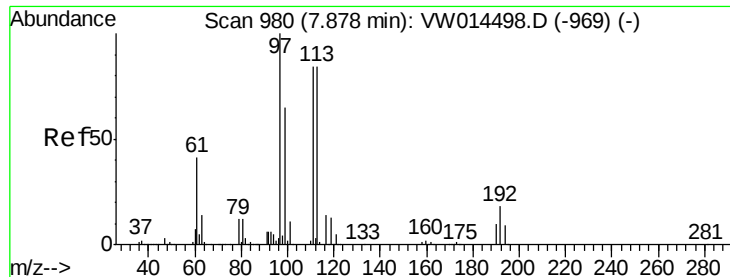
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1024669		
63	21.3	0.0	40.4	
88	16.6	0.0	30.6	





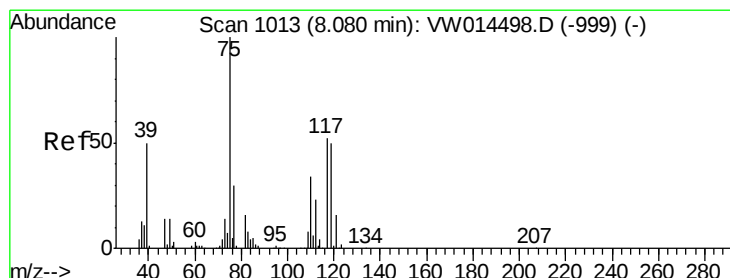
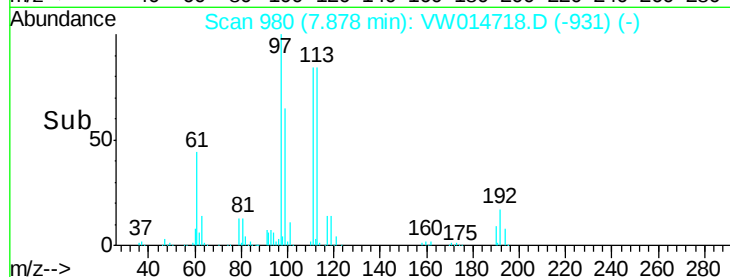
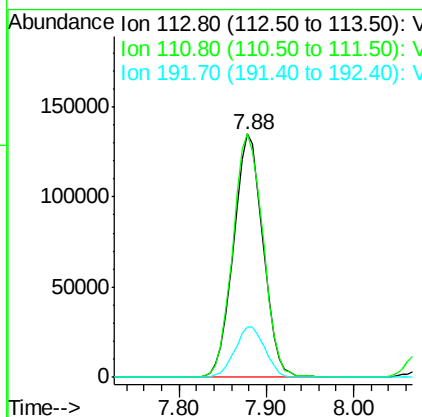
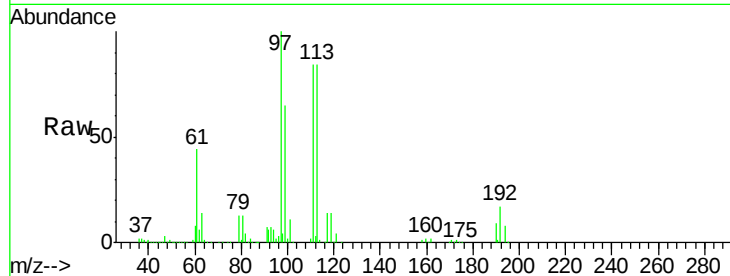
#35
 Dibromofluoromethane
 Concen: 54.042 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.4	122.2	
192	21.1	17.8	26.8	

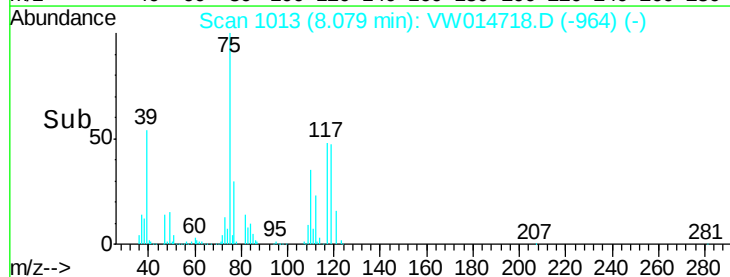
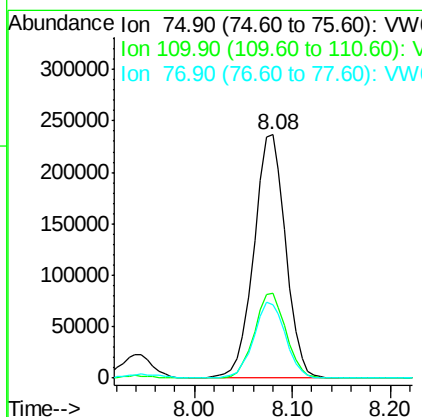
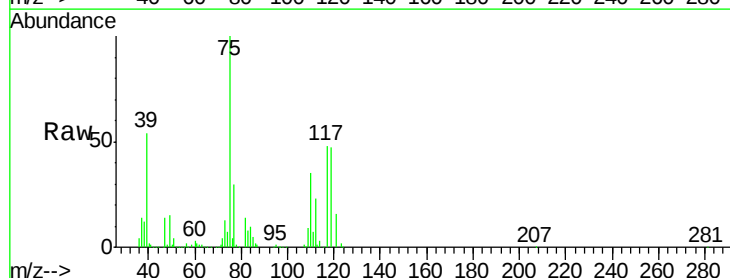
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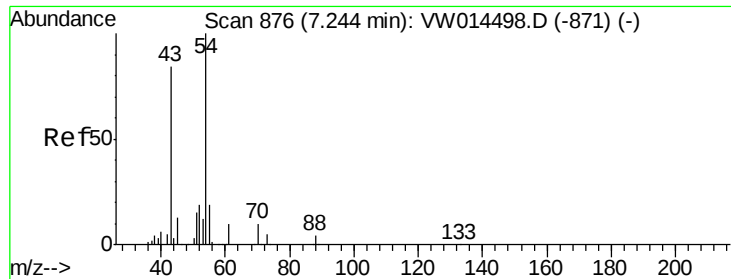
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#36
 1,1-Dichloropropene
 Concen: 54.058 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.7	17.8	53.5	
77	31.4	24.7	37.1	





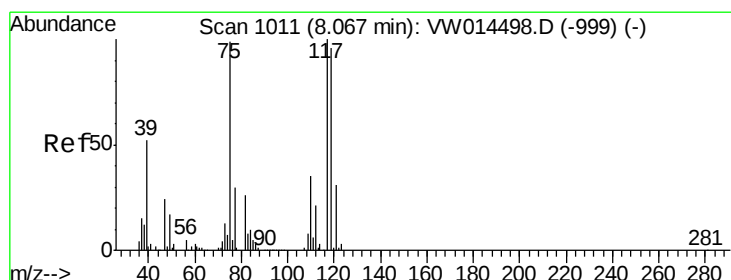
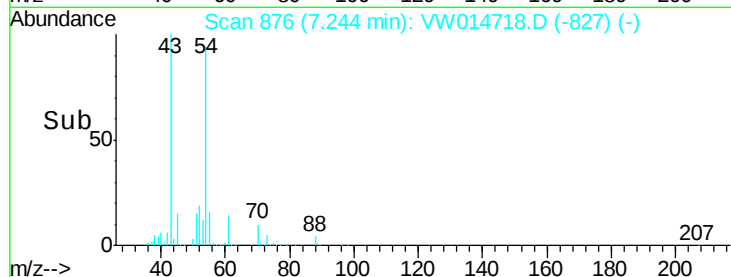
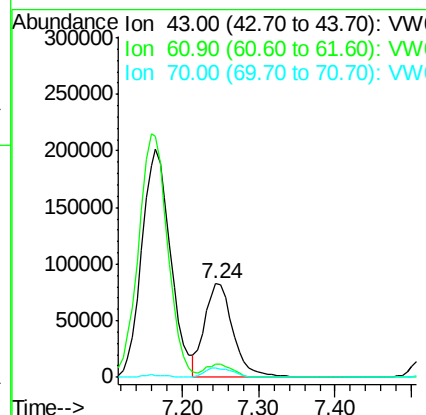
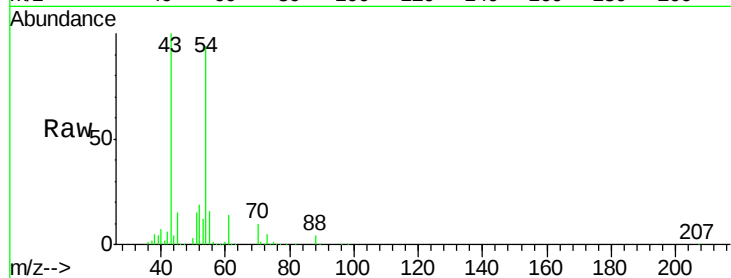
#37
Ethyl Acetate
Concen: 47.703 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.7	17.5
70	10.2	9.0	13.6

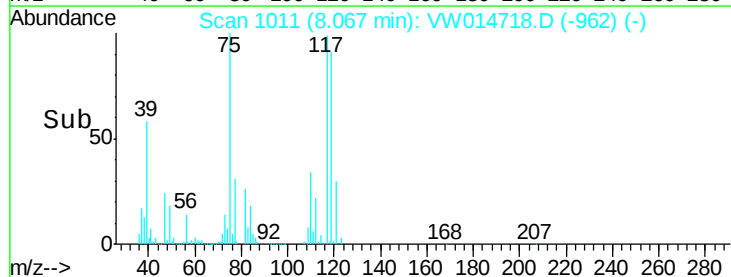
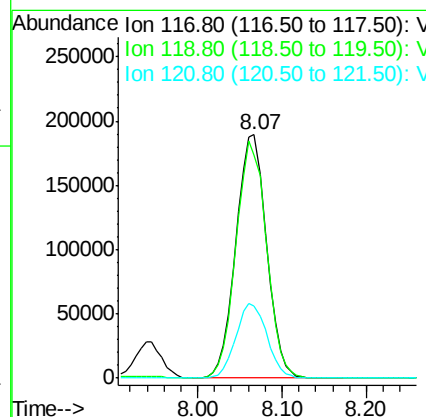
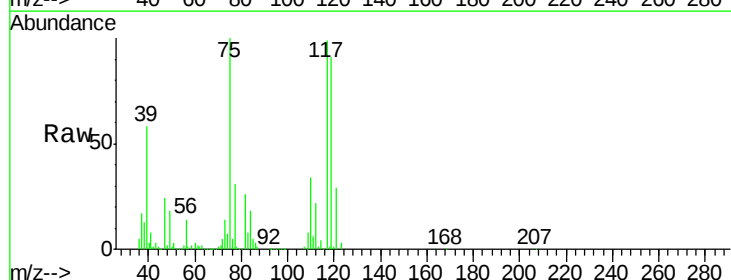
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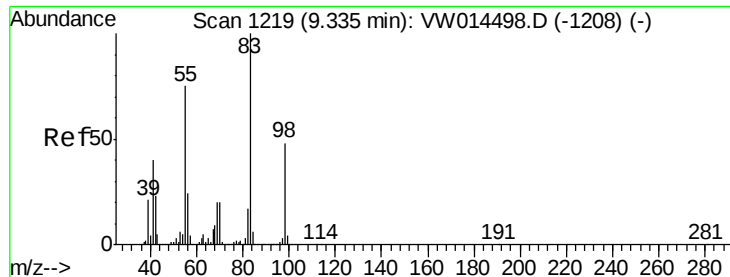
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#38
Carbon Tetrachloride
Concen: 54.372 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	77.0	115.6
121	29.8	24.6	36.8





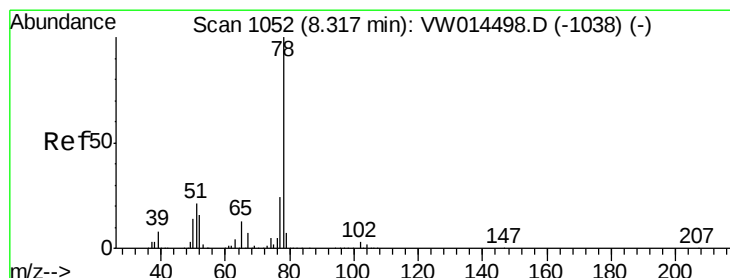
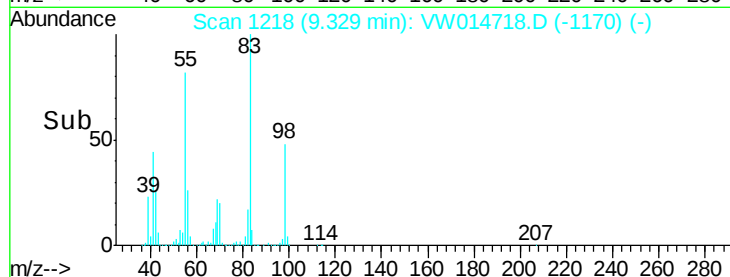
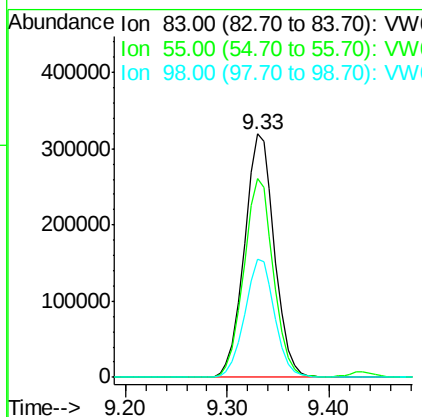
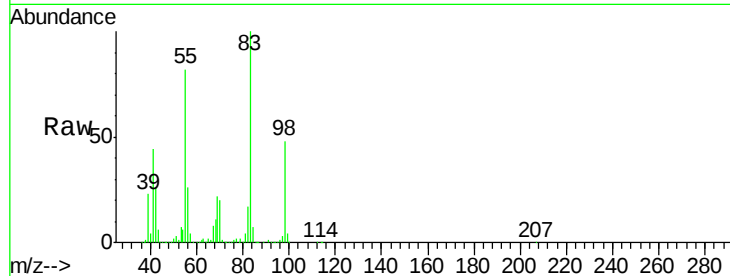
#39
Methvlcvclohexane
Concen: 51.498 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	60.1	90.1
98	48.4	38.8	58.2

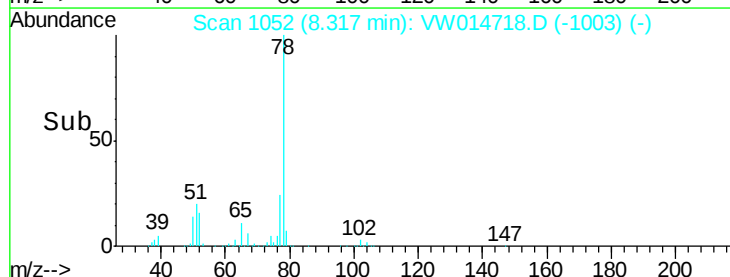
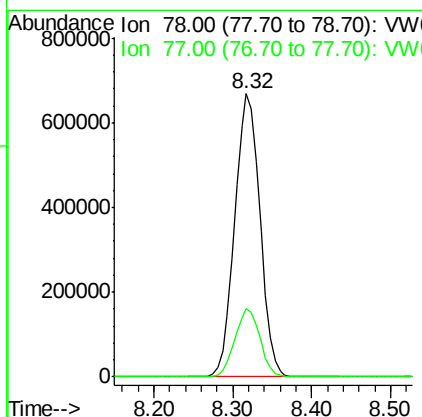
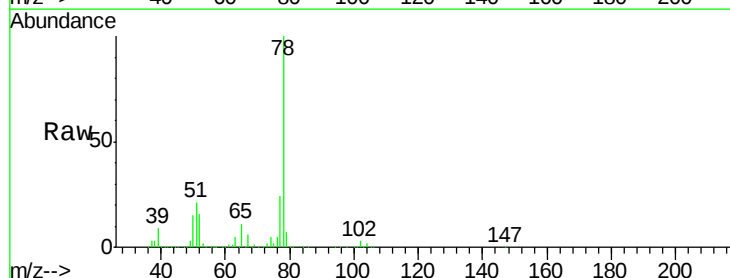
Manual Integrations
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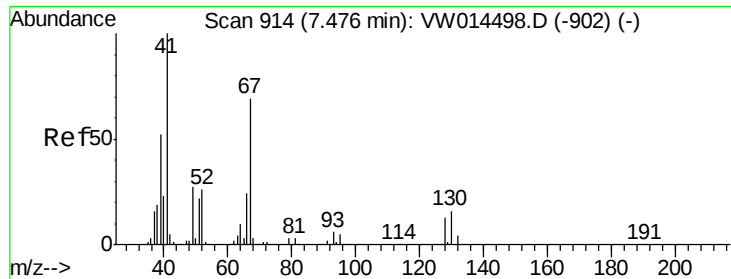
MMDadoda
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#40
Benzene
Concen: 53.254 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





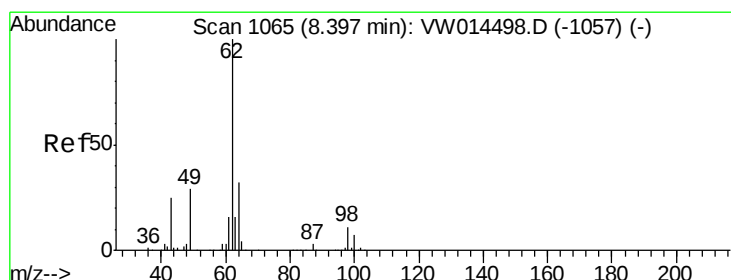
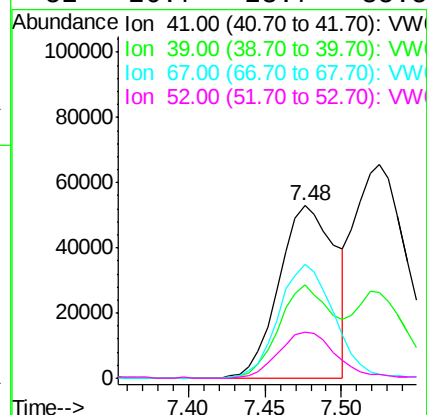
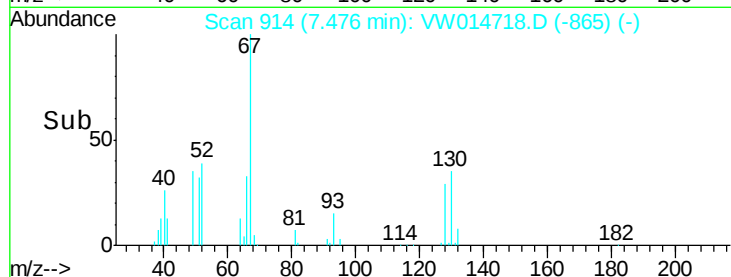
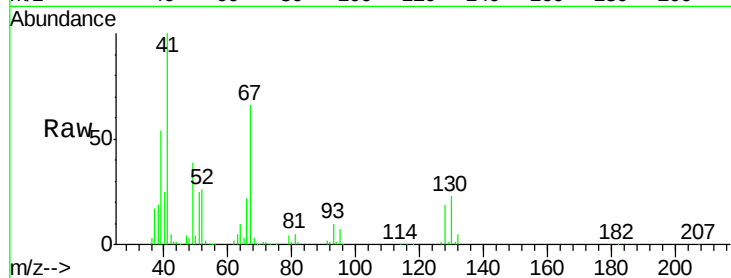
#41
Methacrylonitrile
Concen: 54.611 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	136383
Ion Ratio	Lower	Upper	
41	100		
39	51.4	46.0	69.0
67	65.0	60.8	91.2
52	26.7	23.7	35.5

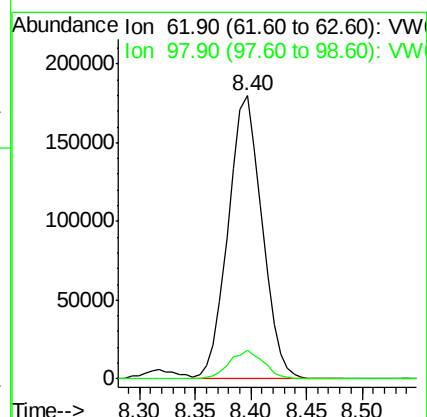
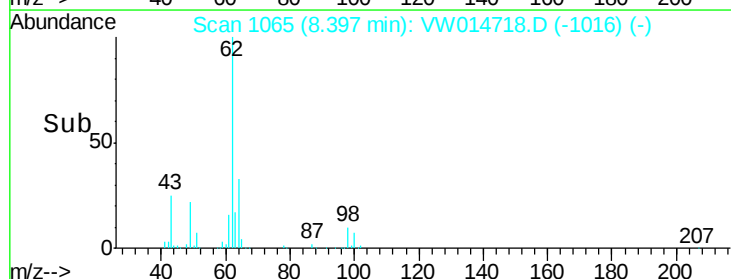
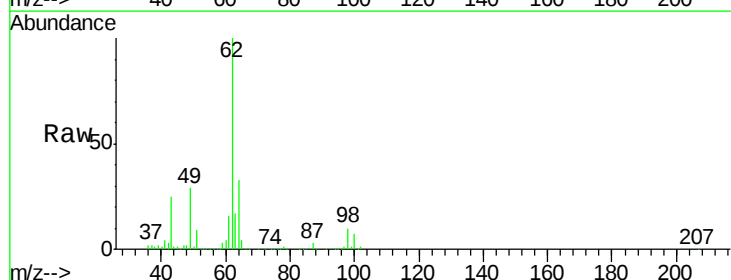
Manual Integrations
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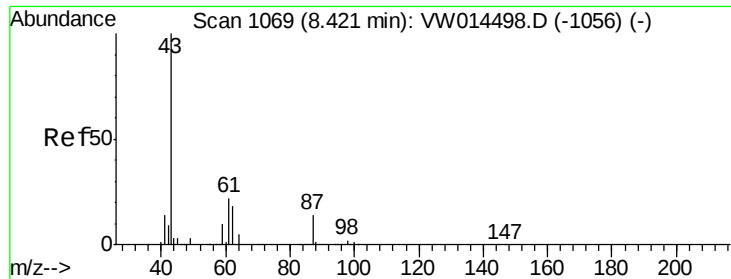
MMDadoda
1/24/2020 4:02:26 PM



#42
1,2-Dichloroethane
Concen: 52.370 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	62	Resp	379842
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	22.0





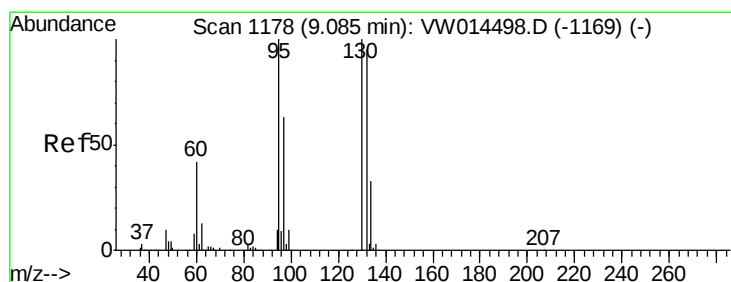
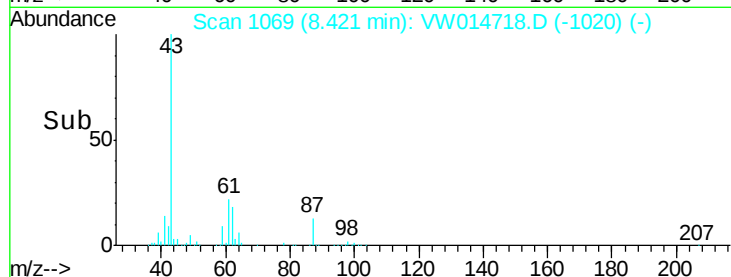
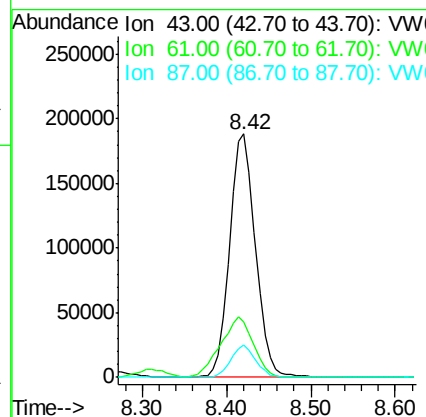
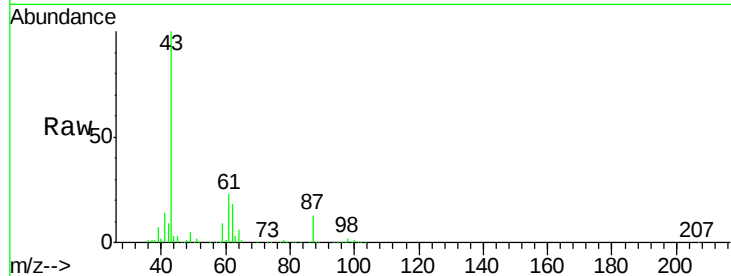
#43
Isopropyl Acetate
Concen: 48.128 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.7	37.1
87	12.6	11.1	16.7

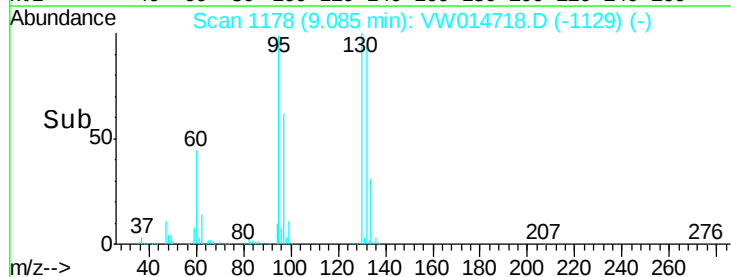
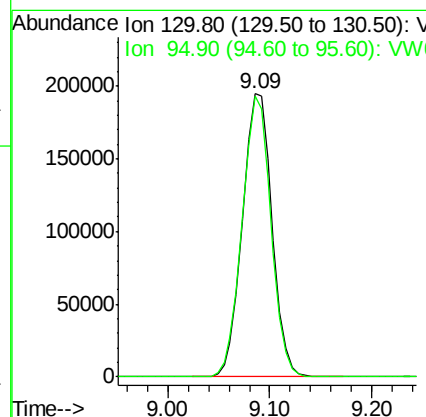
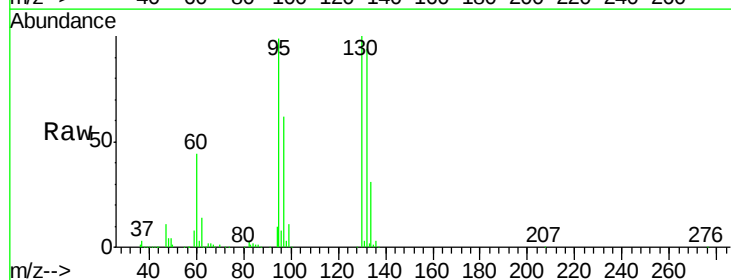
Manual Integrations
APPROVED

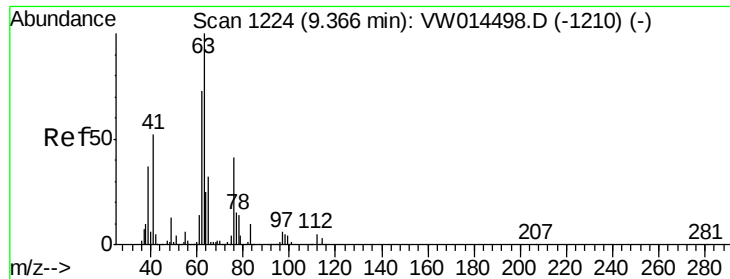
MMDadoda
1/24/2020 4:02:26 PM



#44
Trichloroethene
Concen: 51.641 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	199.4





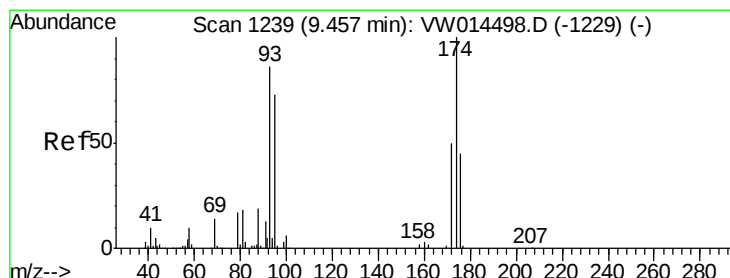
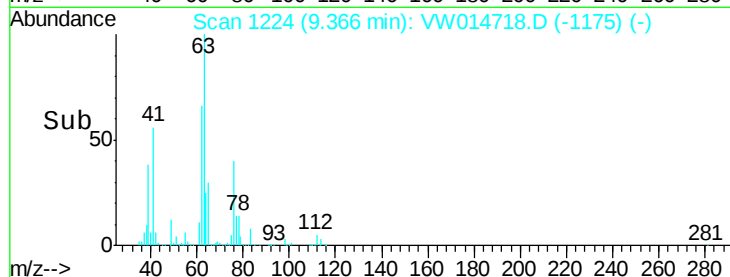
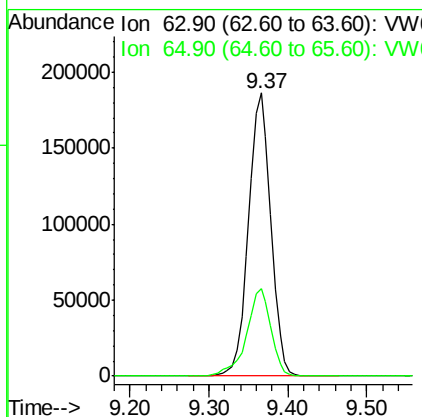
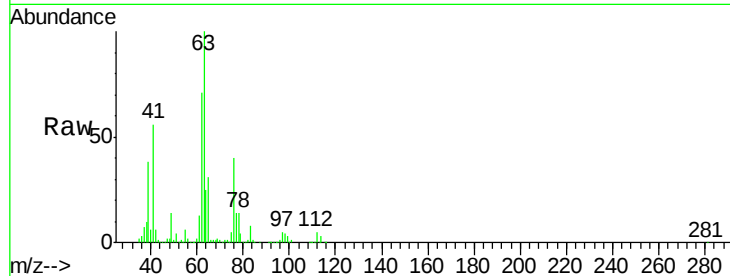
#45
 1,2-Dichloropropane
 Concen: 53.364 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.6	38.4

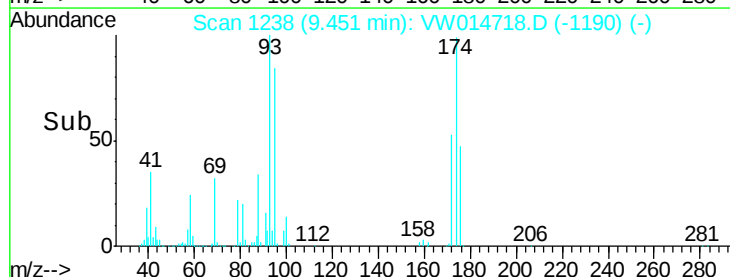
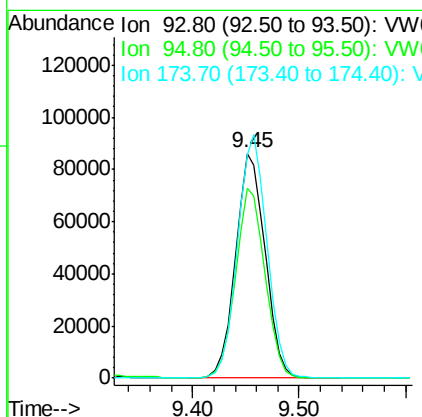
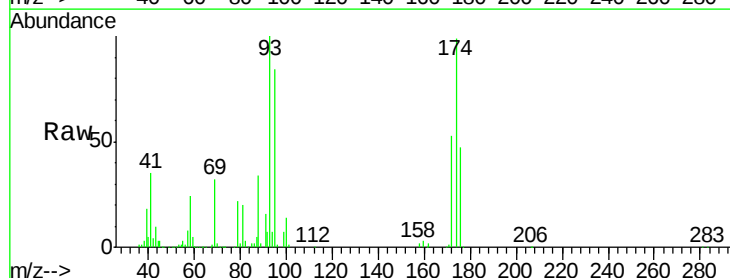
Manual Integrations
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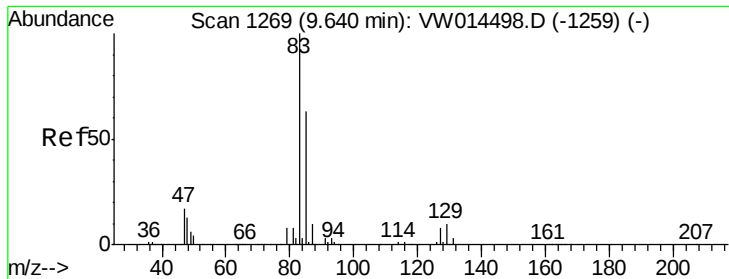
MMDadoda
 1/24/2020 4:02:26 PM



#46
 Dibromomethane
 Concen: 49.732 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

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





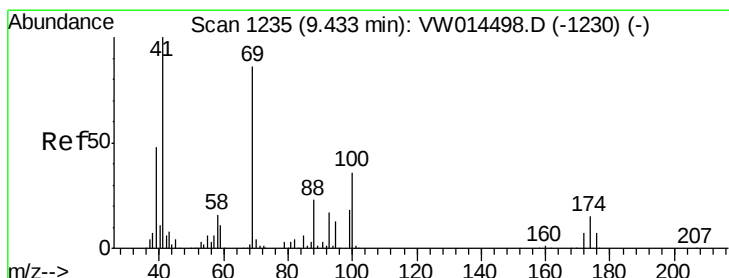
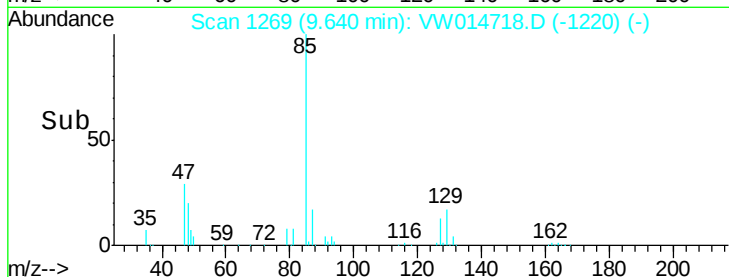
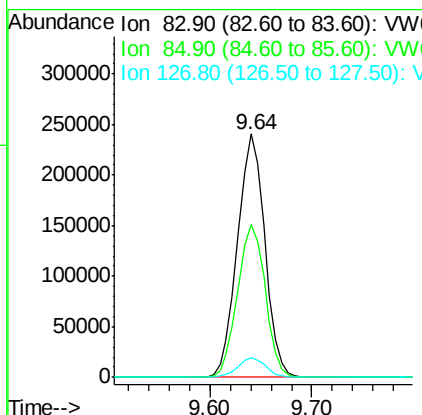
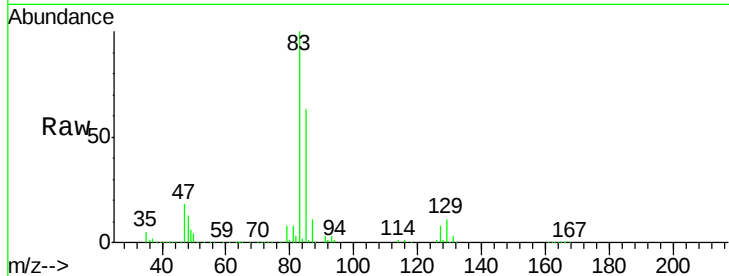
#47
 Bromodichloromethane
 Concen: 53.531 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	447474		
85	62.9		50.6	76.0
127	8.1		6.6	9.8

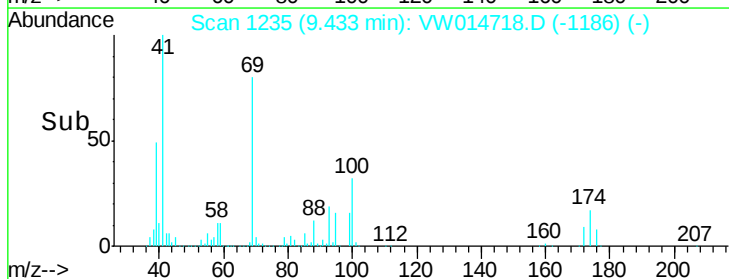
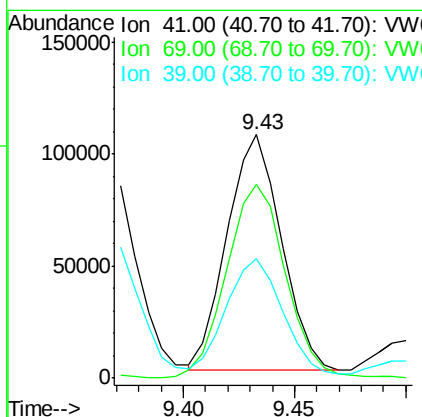
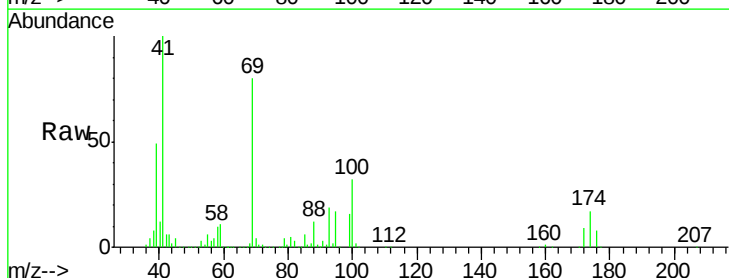
Manual Integrations
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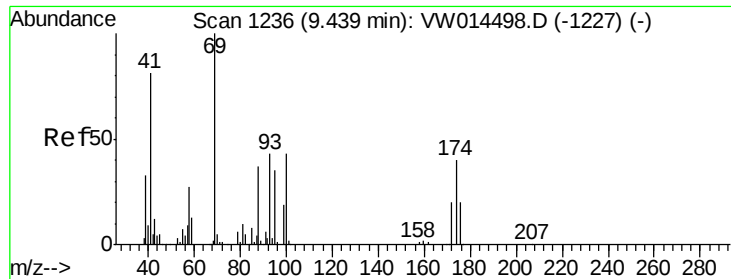
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#48
 Methyl methacrylate
 Concen: 45.188 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	179489		
69	89.4		68.3	102.5
39	49.7		36.8	55.2





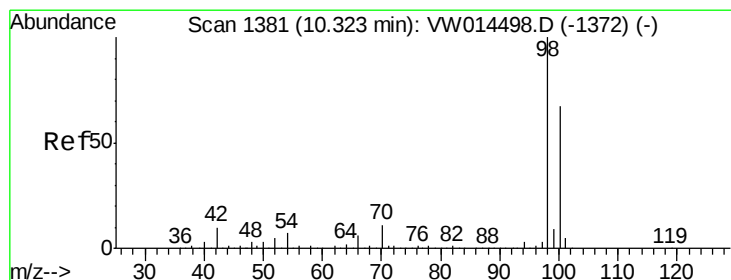
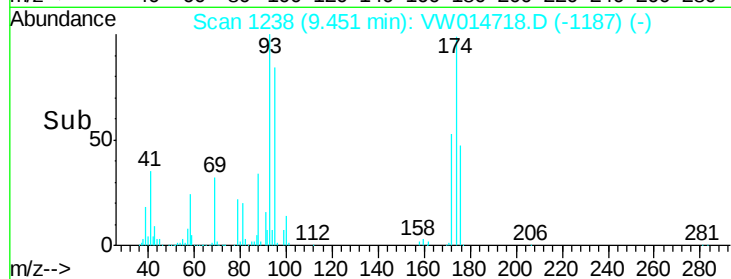
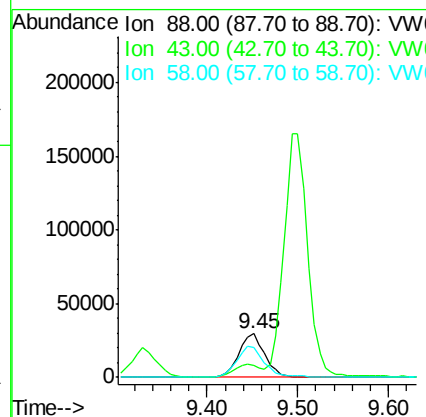
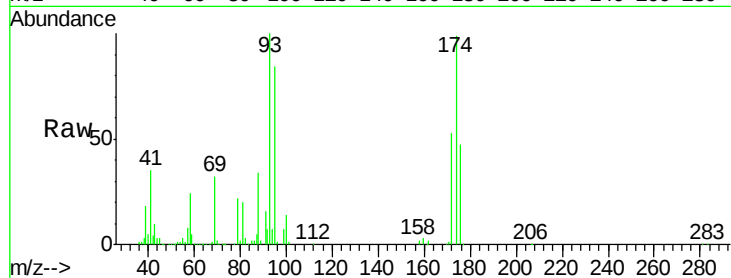
#49
1,4-Dioxane
Concen: 925.287 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	58595
Ion	Ratio	Lower	Upper
88	100		
43	31.9	24.9	37.3
58	77.0	56.9	85.3

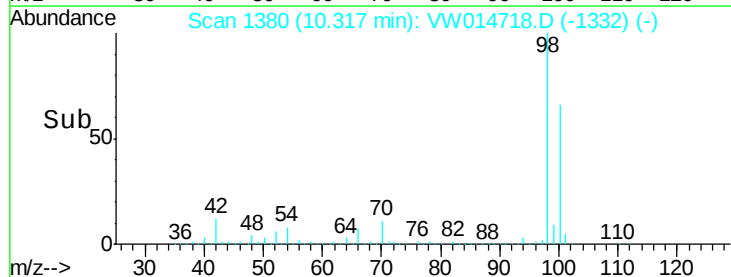
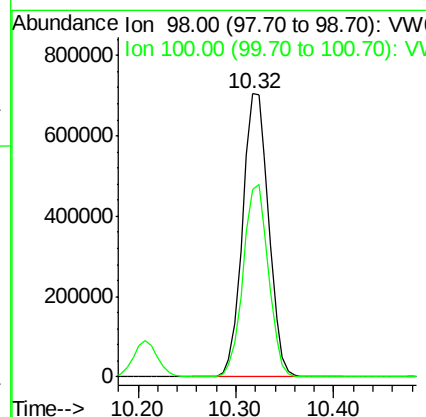
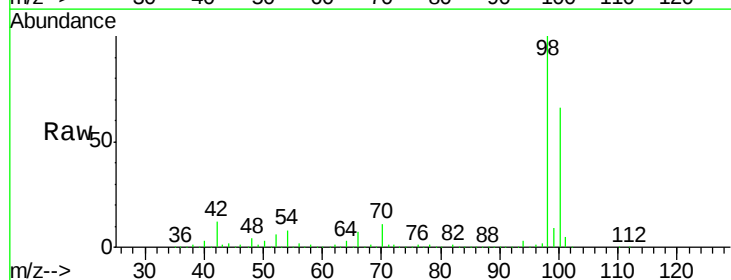
Manual Integrations
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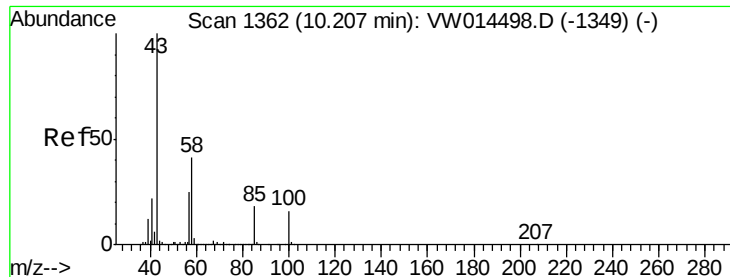
MMDadoda
1/24/2020 4:02:26 PM



#50
Toluene-d8
Concen: 53.130 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	98	Resp	1298454
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 238.281 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1006671

Ion Ratio Lower Upper

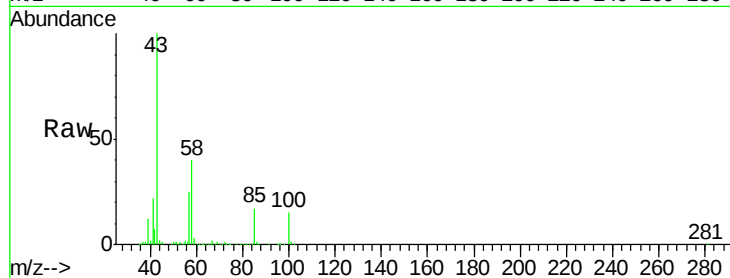
43 100

58 39.9 32.7 49.1

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

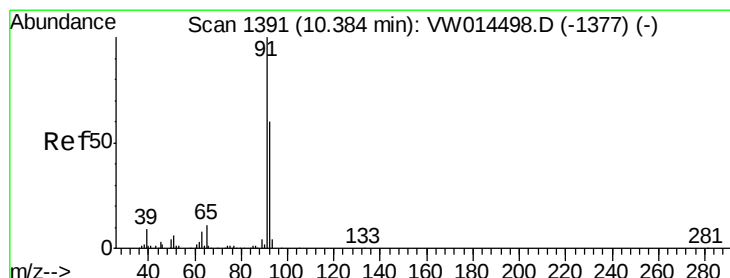
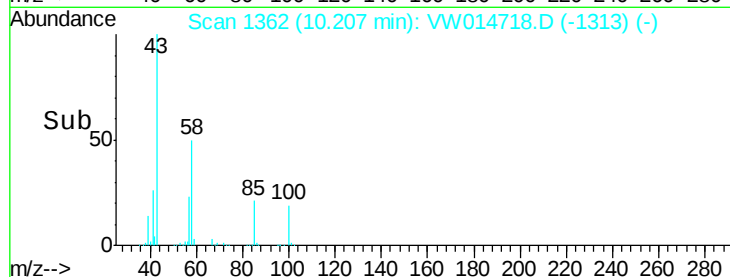
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.424 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014718.D

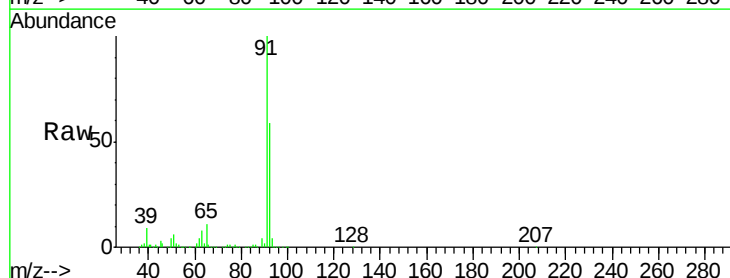
Acq: 23 Jan 2020 10:18

Tgt Ion: 92 Resp: 921773

Ion Ratio Lower Upper

92 100

91 170.4 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

1000000

800000

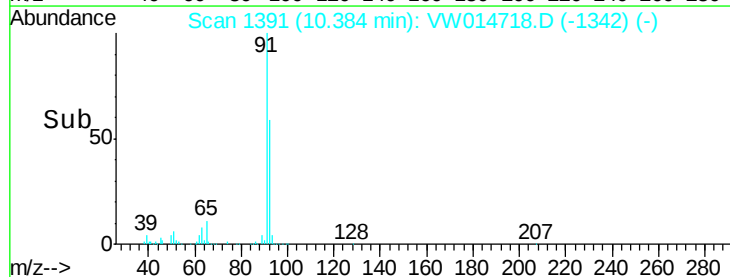
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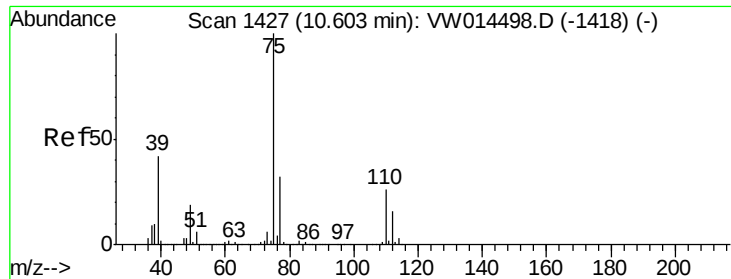
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.770 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 439406

Ion Ratio Lower Upper

75 100

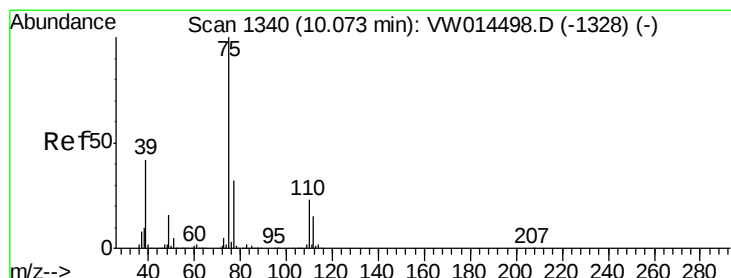
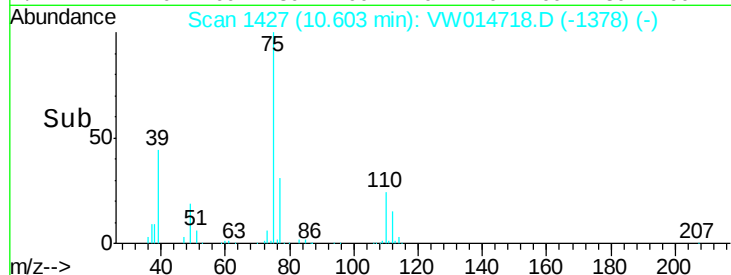
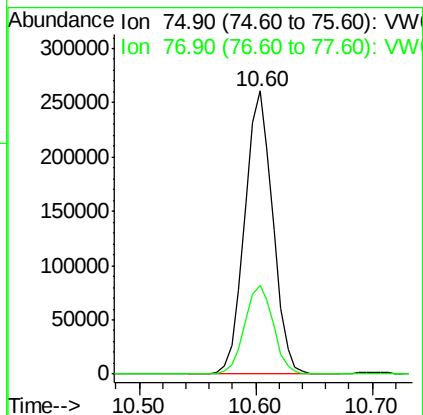
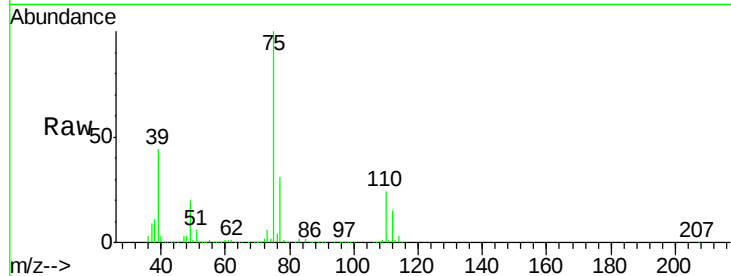
77 31.1 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.033 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

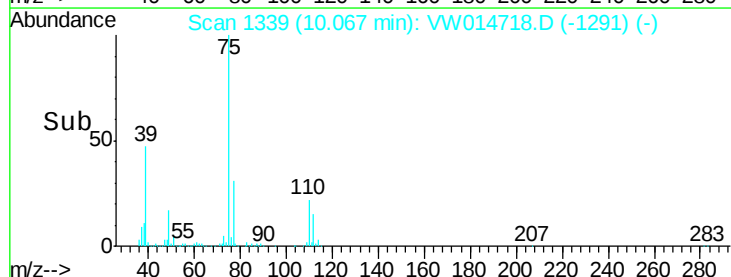
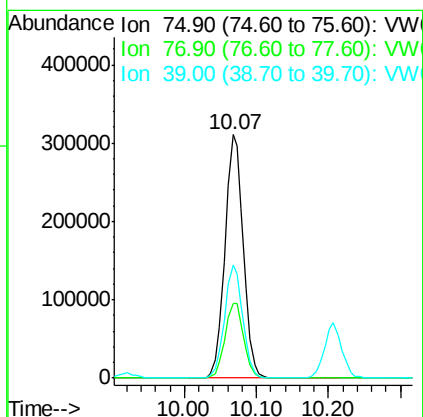
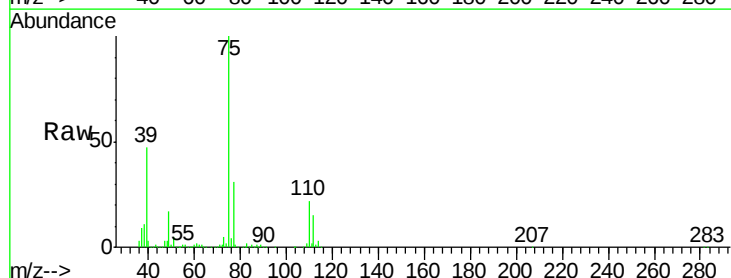
Tgt Ion: 75 Resp: 550396

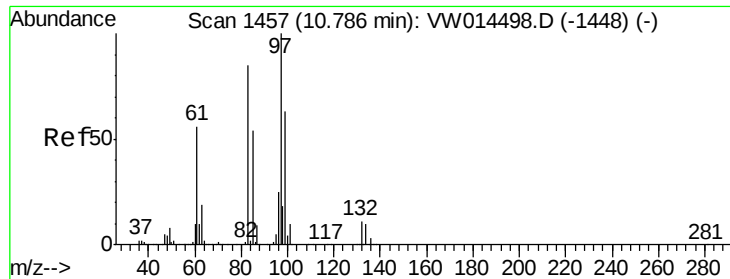
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 46.6 33.4 50.2





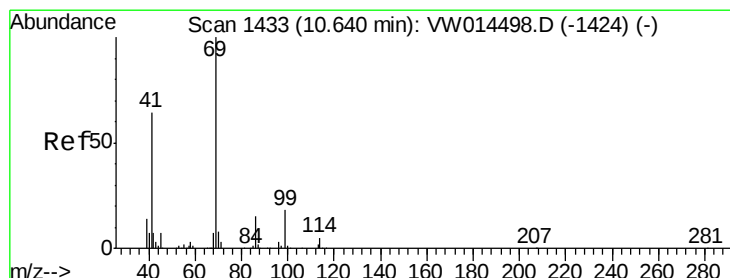
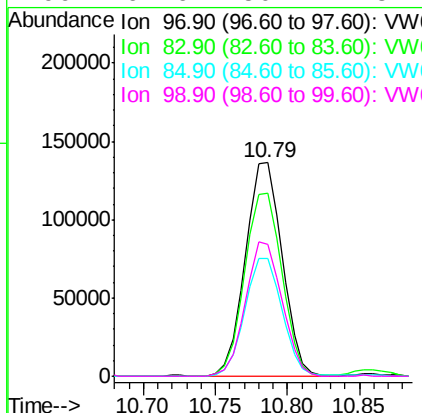
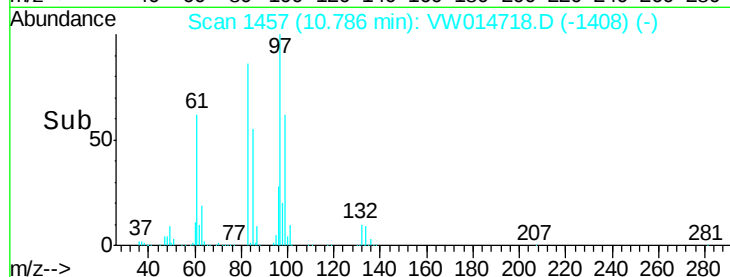
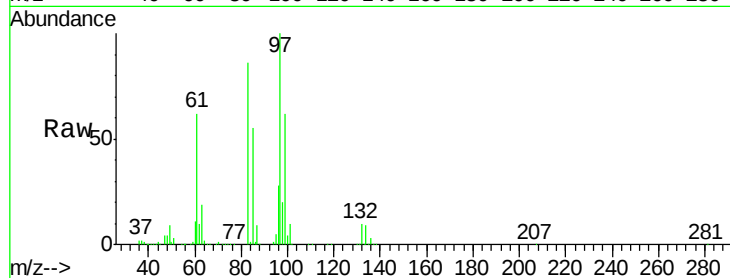
#55
 1,1,2-Trichloroethane
 Concen: 48.908 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241844		
83	85.7	68.2	102.4		
85	55.0	43.0	64.4		
99	61.6	50.1	75.1		

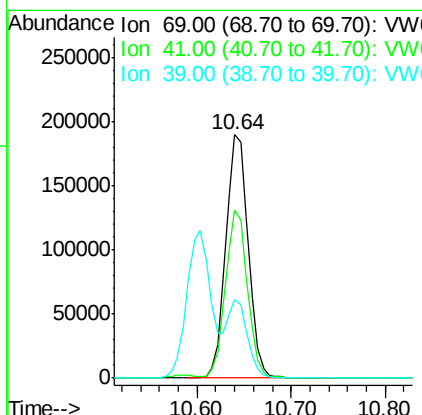
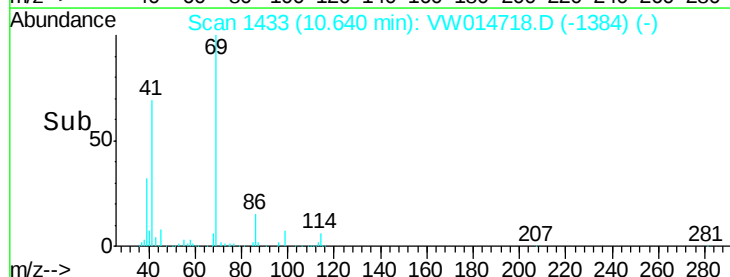
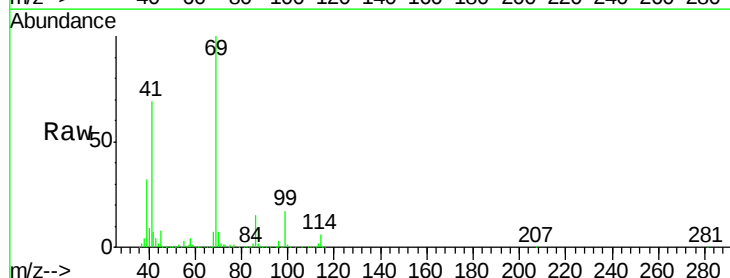
Manual Integrations
 APPROVED

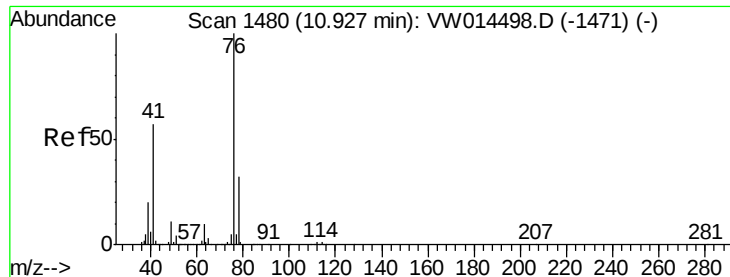
MMDadoda
 1/24/2020 4:02:26 PM



#56
 Ethyl methacrylate
 Concen: 48.844 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		313890		
41	66.7	51.3	76.9		
39	27.2	21.0	31.6		





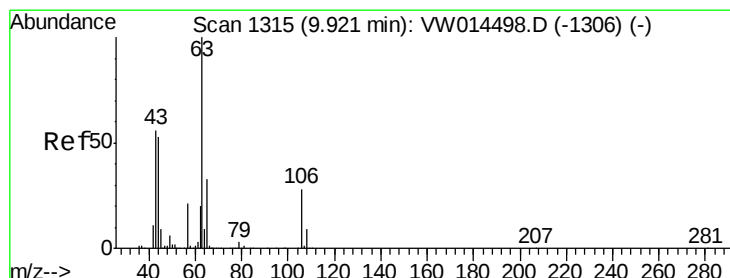
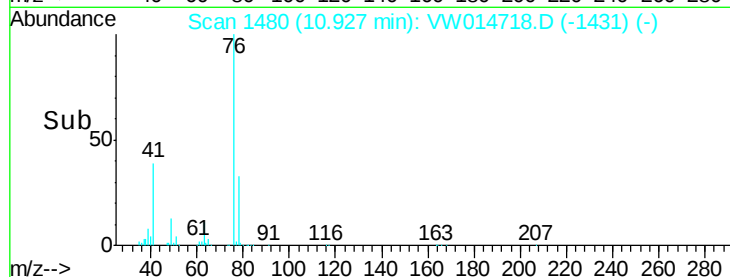
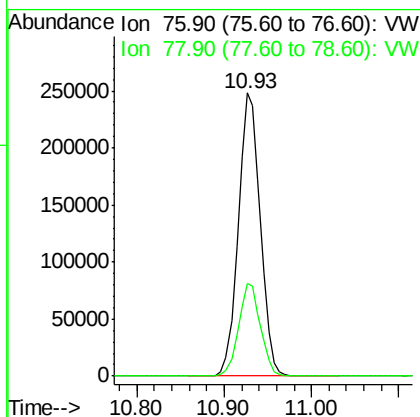
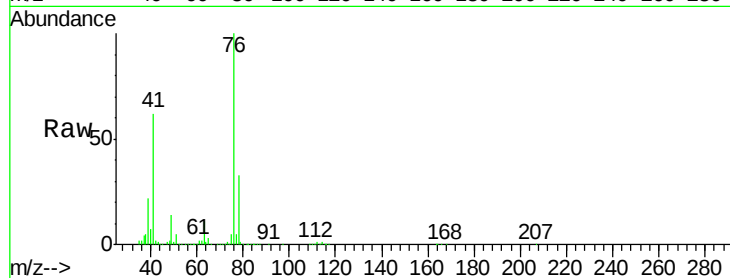
#57
 1,3-Dichloropropane
 Concen: 49.651 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 431512
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9

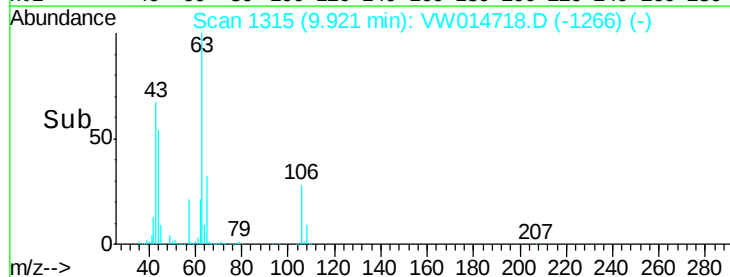
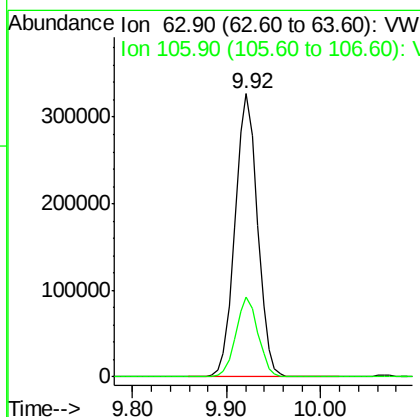
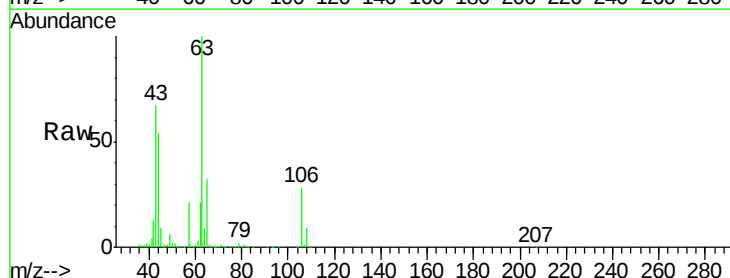
Manual Integrations
 APPROVED

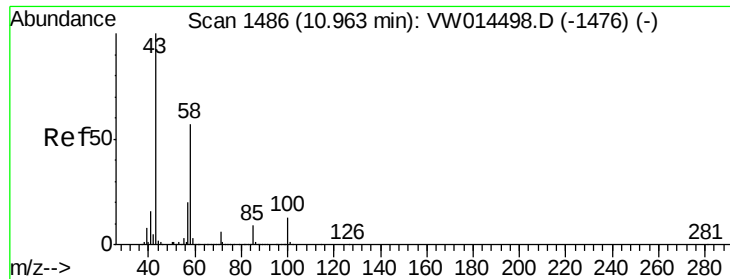
MMDadoda
 1/24/2020 4:02:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.101 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion: 63 Resp: 543540
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.0 34.6





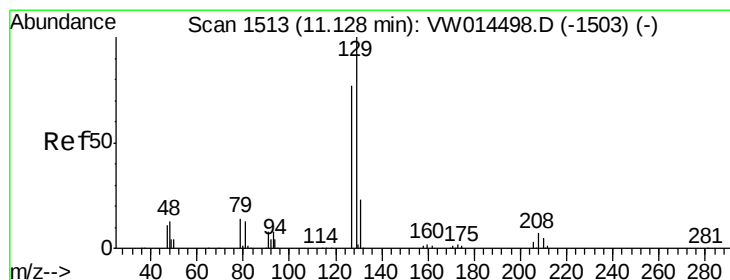
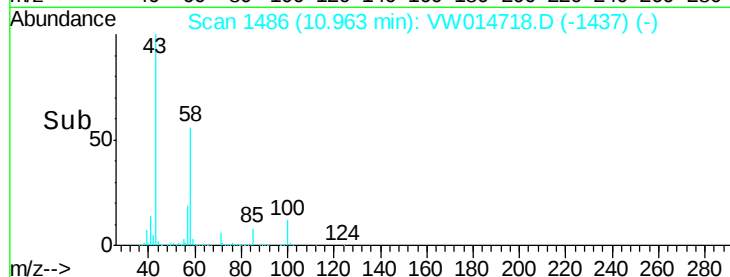
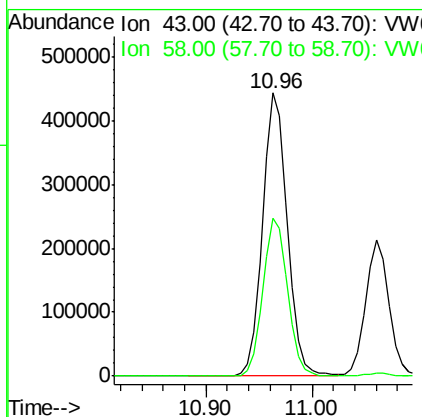
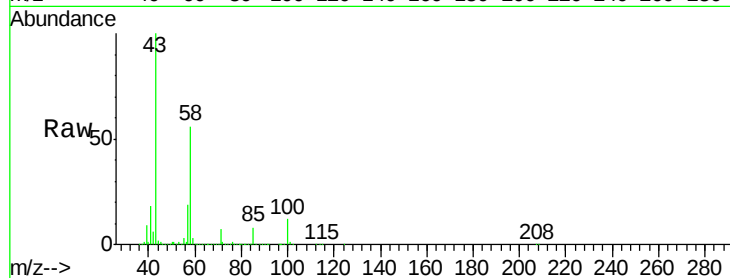
#59
2-Hexanone
Concen: 247.490 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 720496
Ion Ratio Lower Upper
43 100
58 56.0 28.7 86.3

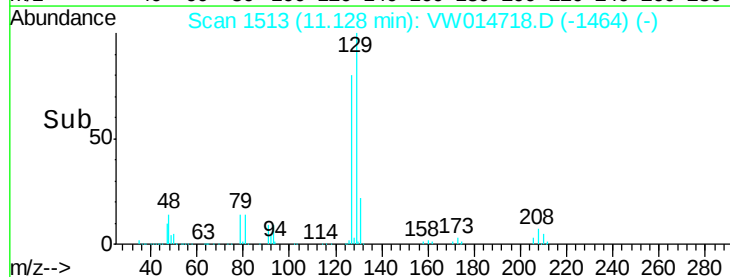
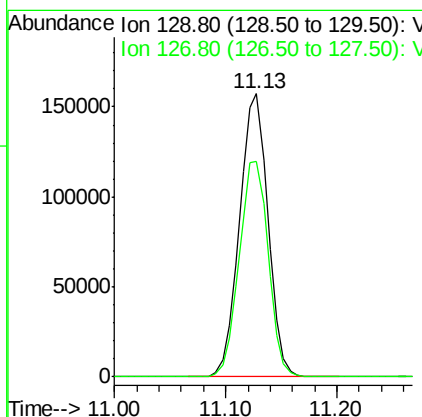
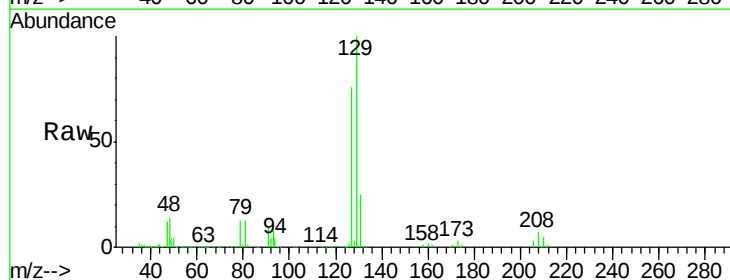
Manual Integrations
APPROVED

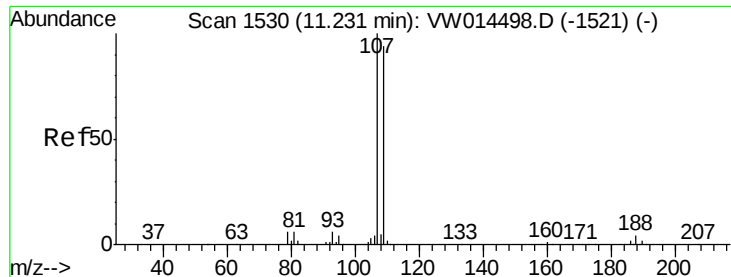
MMDadoda
1/24/2020 4:02:26 PM



#60
Dibromochloromethane
Concen: 49.863 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion: 129 Resp: 278199
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





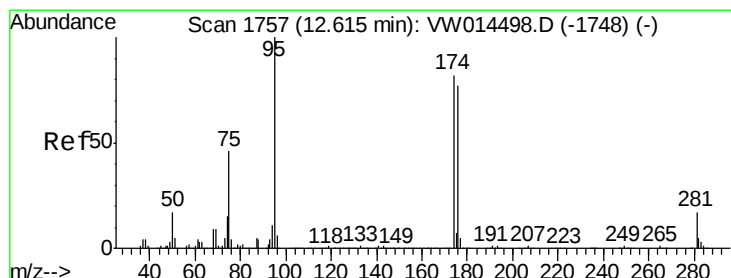
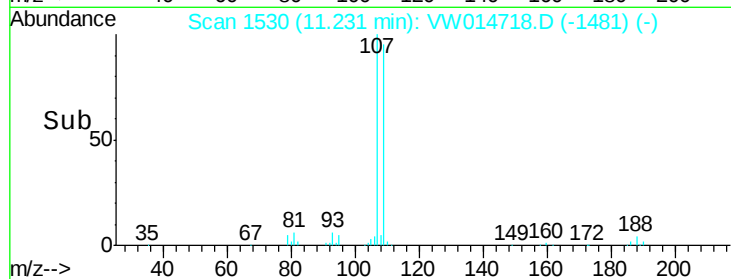
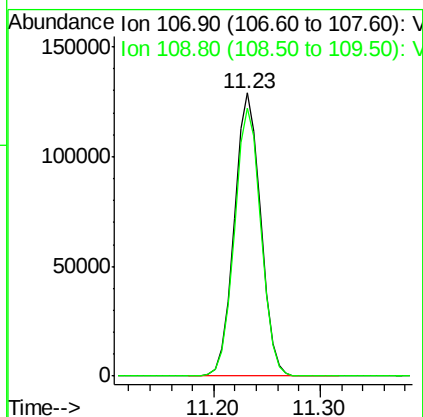
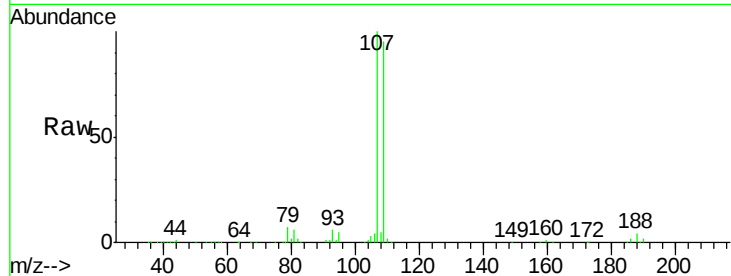
#61
 1,2-Dibromoethane
 Concen: 47.798 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.1	112.7

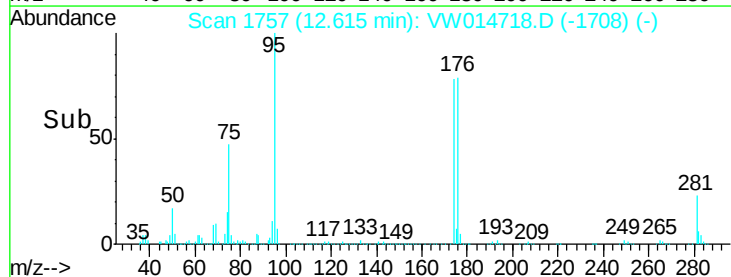
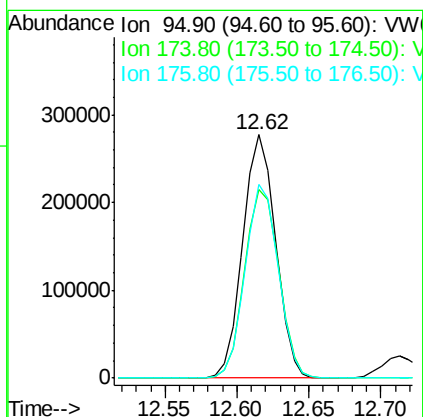
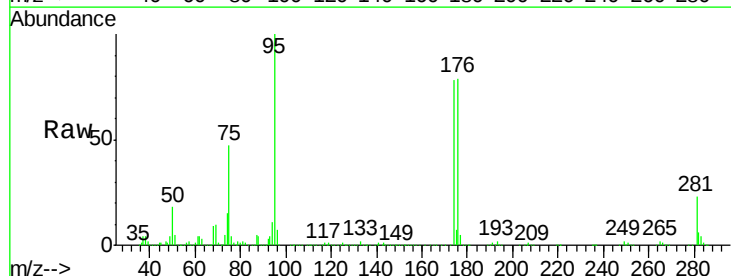
Manual Integrations
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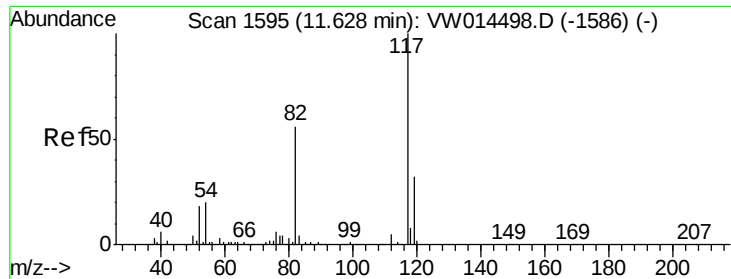
MMDadoda
 1/24/2020 4:02:26 PM



#62
 4-Bromofluorobenzene
 Concen: 52.896 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	168.6
176	80.2	0.0	162.0





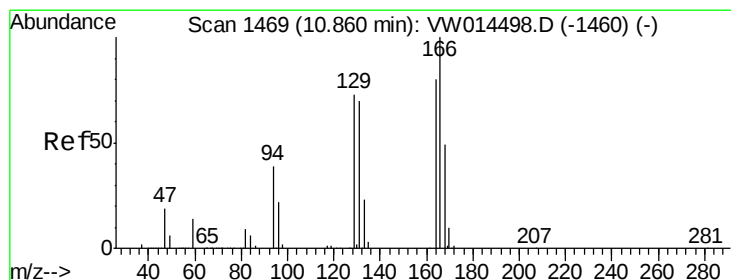
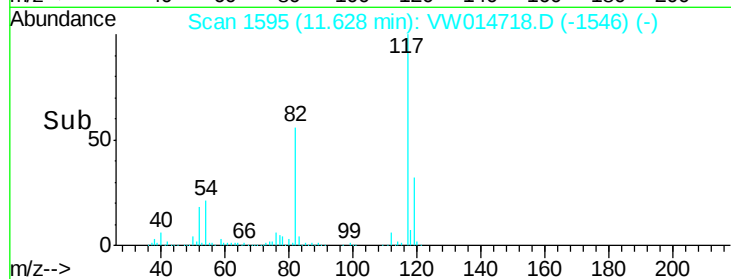
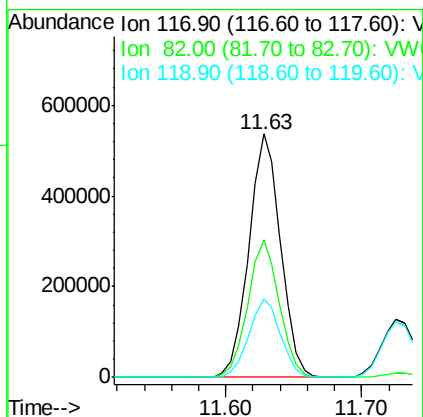
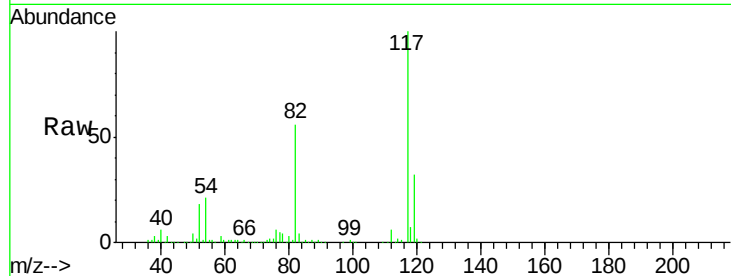
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	876153		
82	56.2		44.6	67.0
119	32.3		25.7	38.5

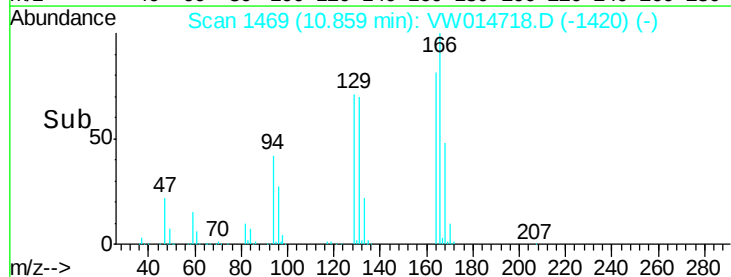
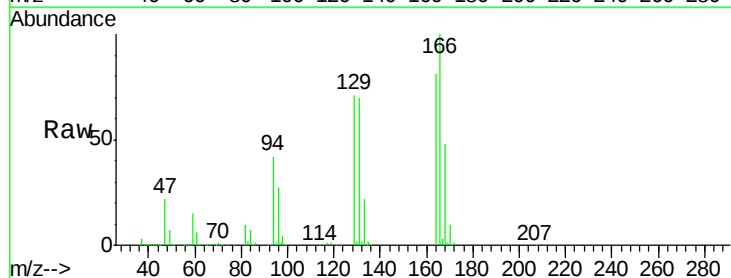
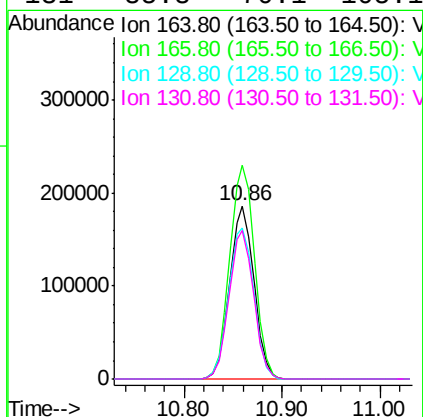
Manual Integrations
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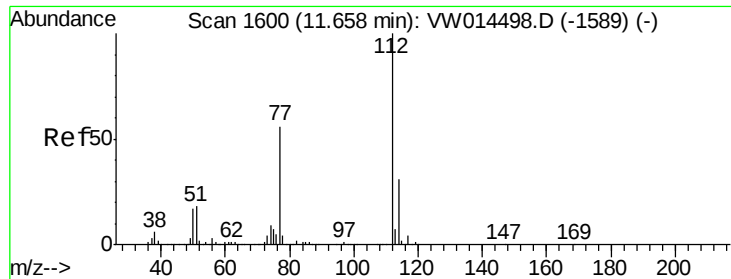
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#64
Tetrachloroethene
Concen: 50.486 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	320235		
166	123.2		99.8	149.6
129	87.1		72.4	108.6
131	85.8		70.1	105.1





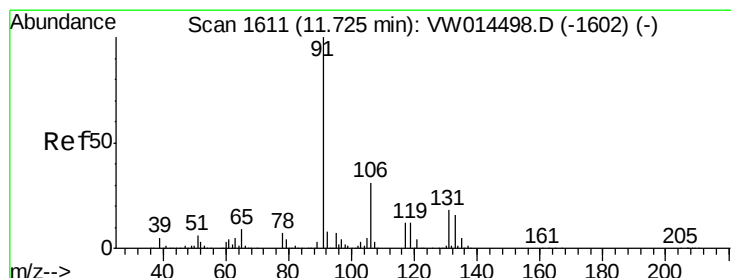
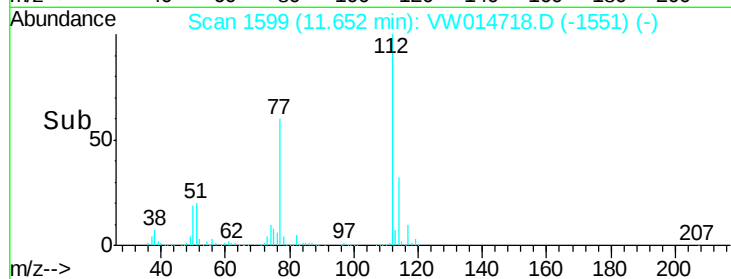
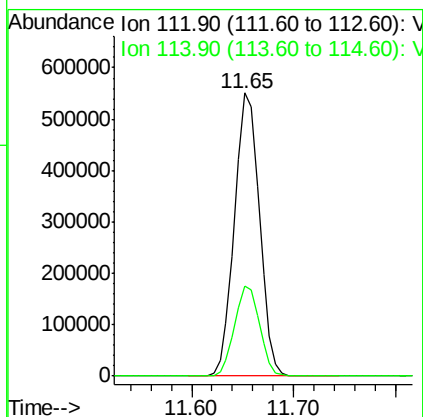
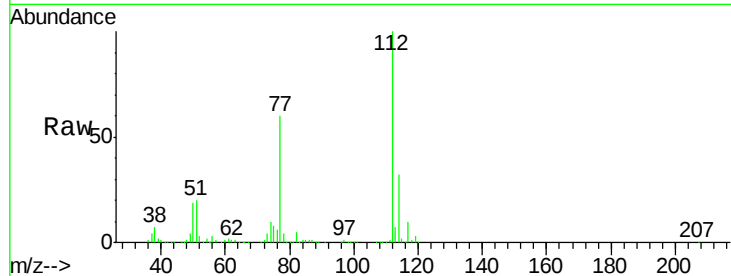
#65
Chlorobenzene
Concen: 51.950 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 932492
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0

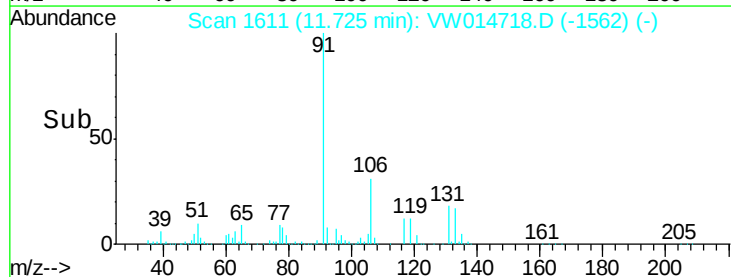
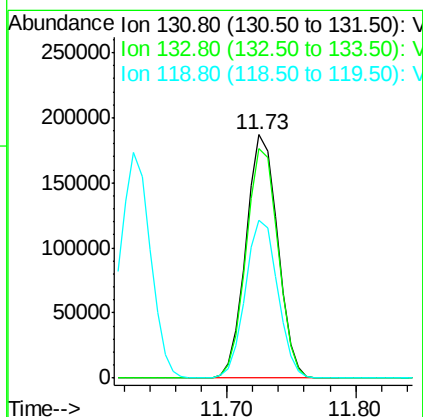
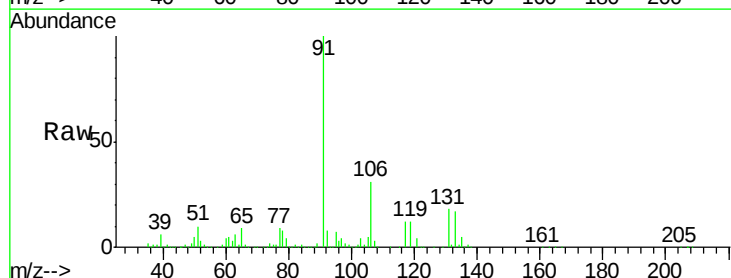
Manual Integrations
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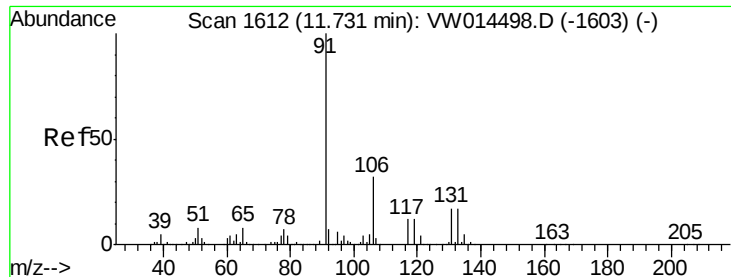
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.519 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion:131 Resp: 317404
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 66.0 33.1 99.3





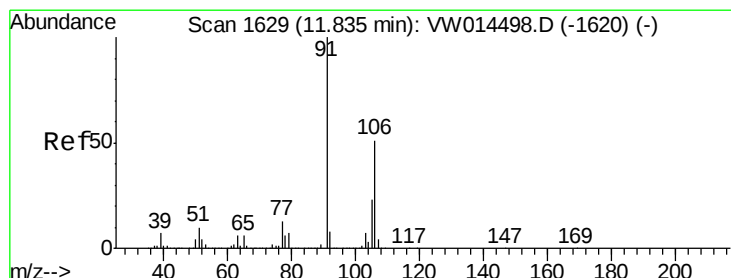
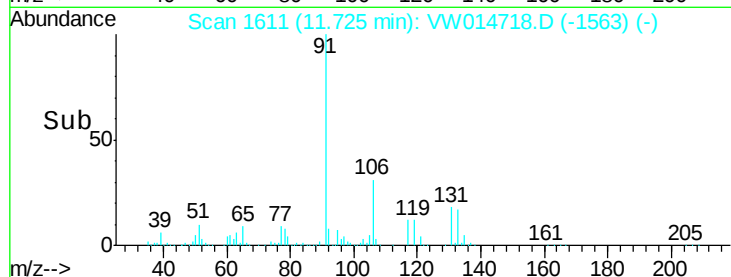
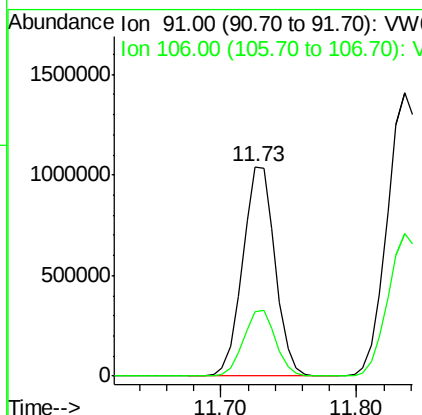
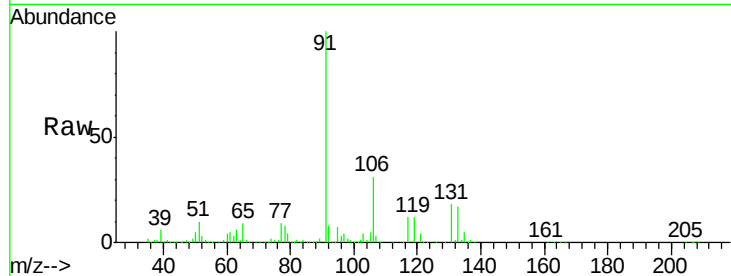
#67
Ethyl Benzene
Concen: 53.536 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1731796
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3

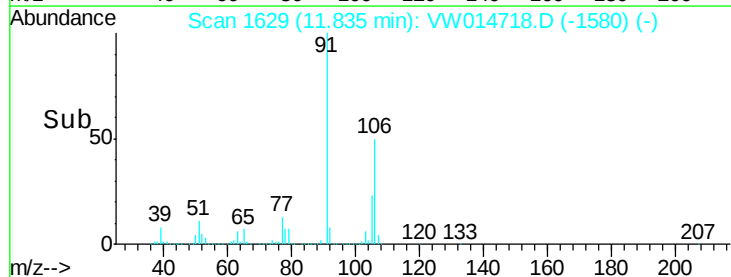
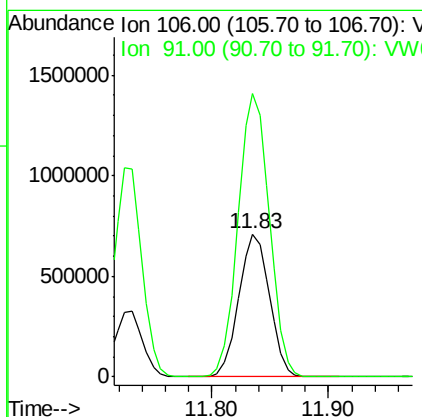
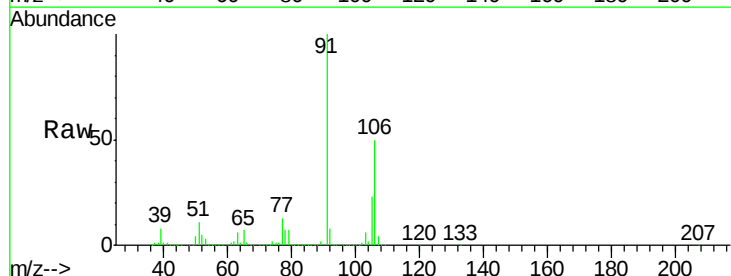
Manual Integrations
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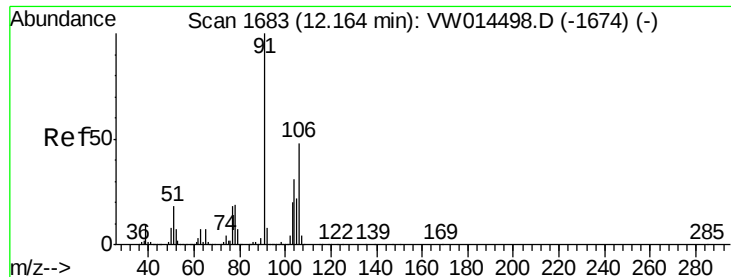
MMDadoda
1/24/2020 4:02:26 PM



#68
m/p-Xylenes
Concen: 105.920 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion: 106 Resp: 1311325
Ion Ratio Lower Upper
106 100
91 200.8 159.0 238.6





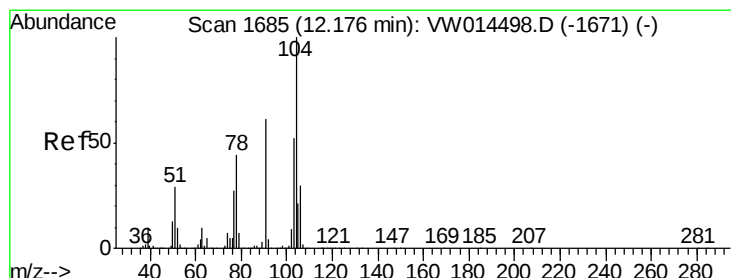
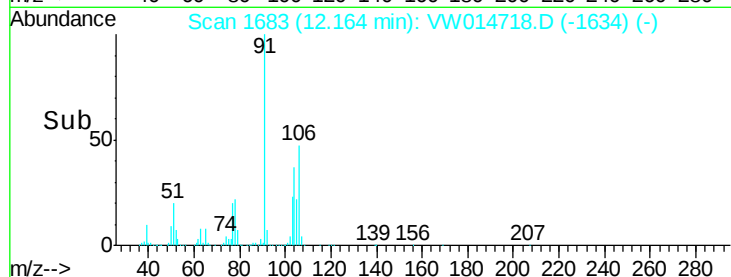
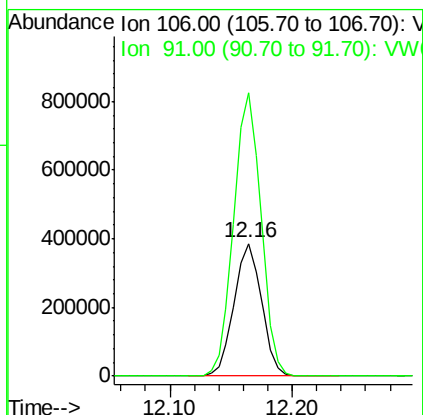
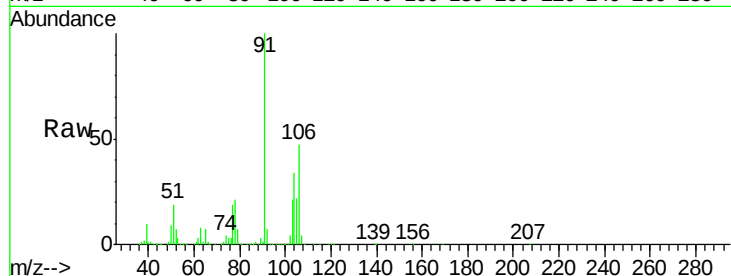
#69
o-Xylene
Concen: 52.346 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.1	105.2	598626	315.6	

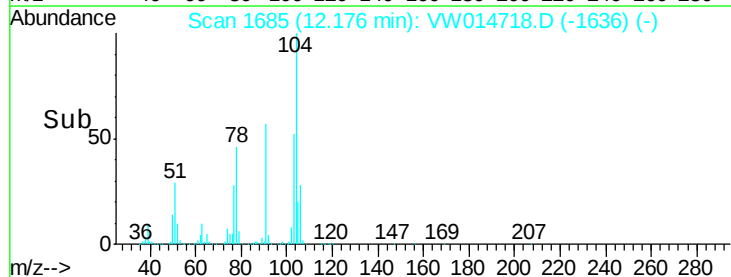
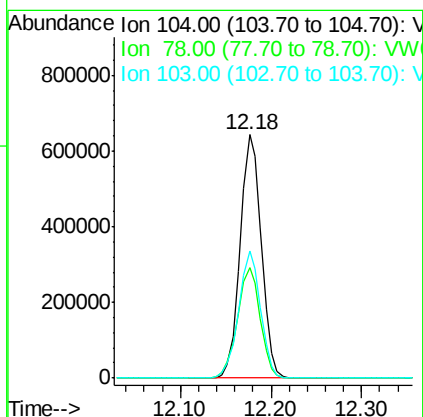
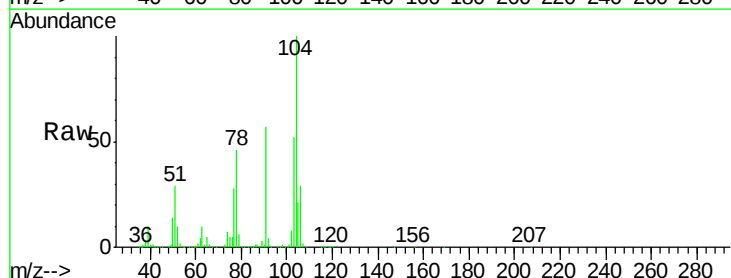
Manual Integrations
APPROVED

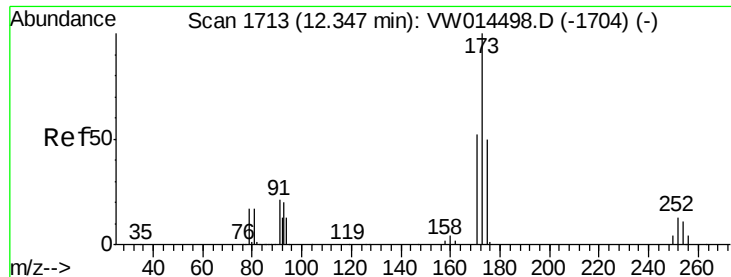
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#70
Styrene
Concen: 53.651 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.0	38.4	1037769	57.6	
103	54.4	43.7		65.5	





#71

Bromoform

Concen: 47.242 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 155733

Ion Ratio Lower Upper

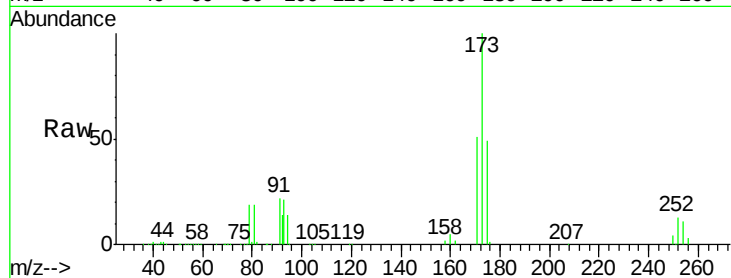
173 100

175 49.4 24.5 73.5

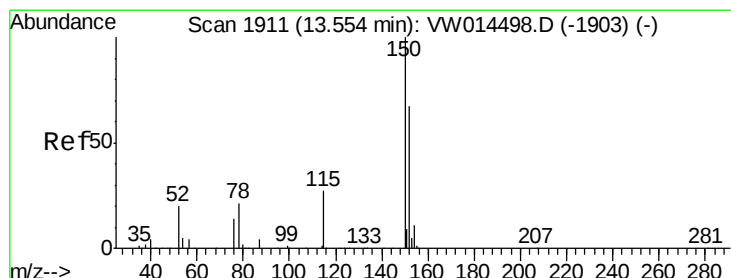
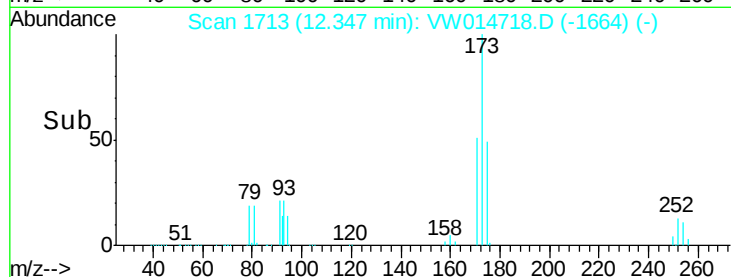
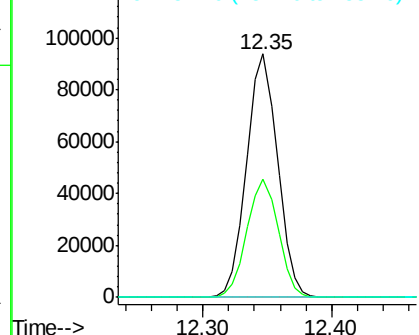
254 0.1 0.0 0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

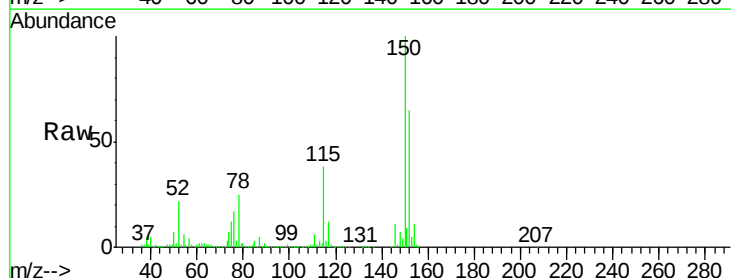
Tgt Ion:152 Resp: 428525

Ion Ratio Lower Upper

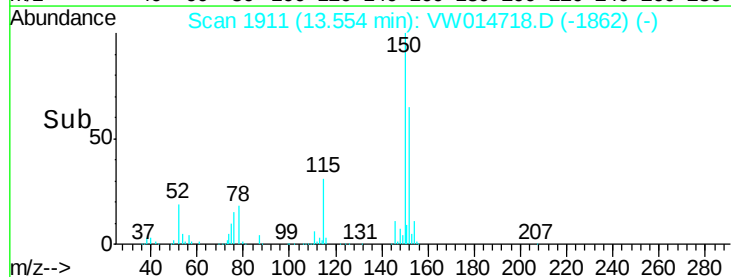
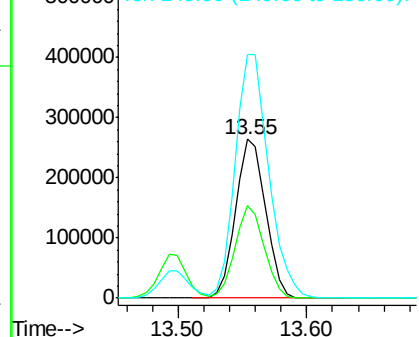
152 100

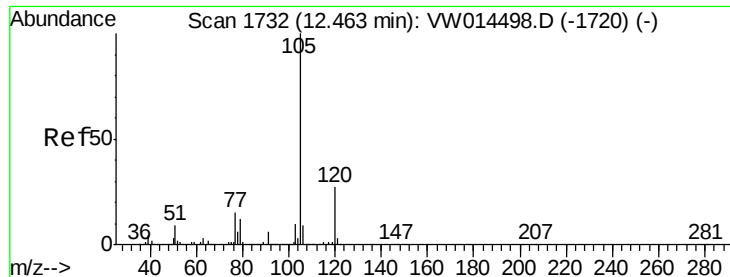
115 56.5 27.7 83.1

150 170.5 0.0 343.4



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





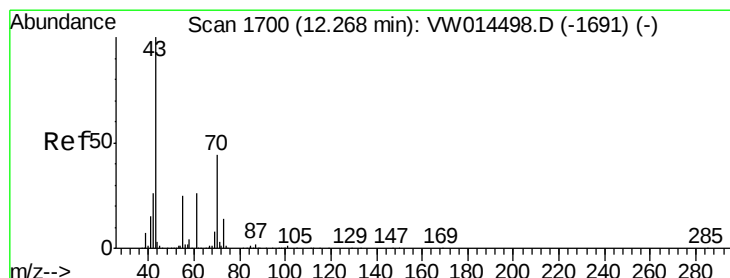
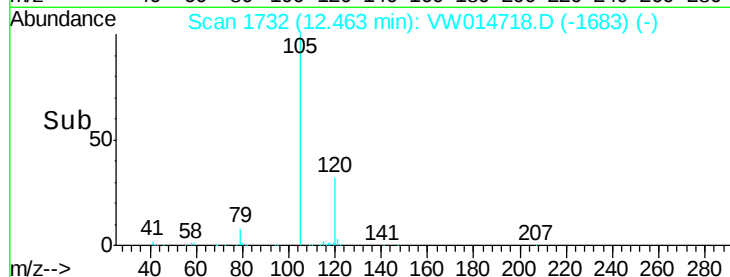
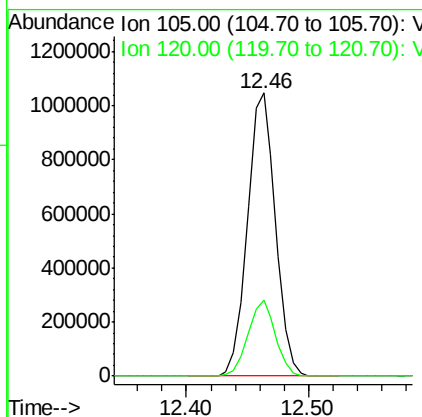
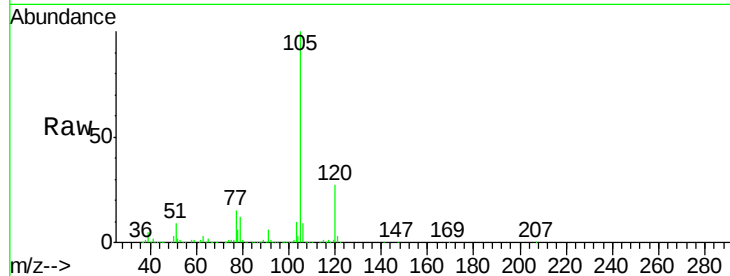
#73
Isopropylbenzene
Concen: 52.805 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1660351
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1

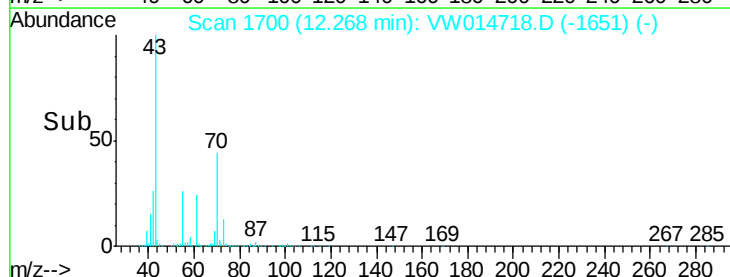
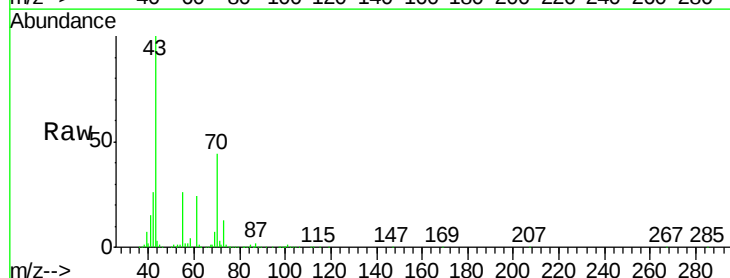
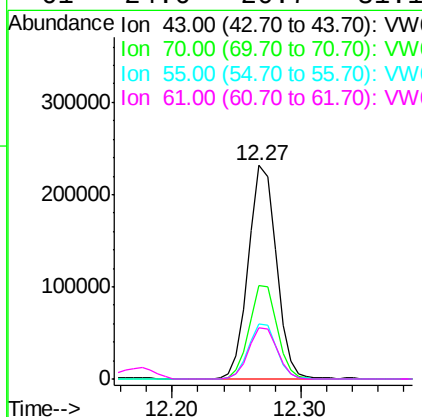
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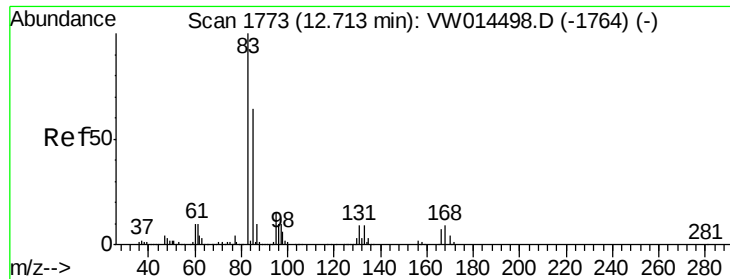
MMDadoda
1/24/2020 4:02:26 PM



#74
N-ethyl acetate
Concen: 49.099 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion: 43 Resp: 346157
Ion Ratio Lower Upper
43 100
70 44.3 36.5 54.7
55 26.0 20.9 31.3
61 24.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.719 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

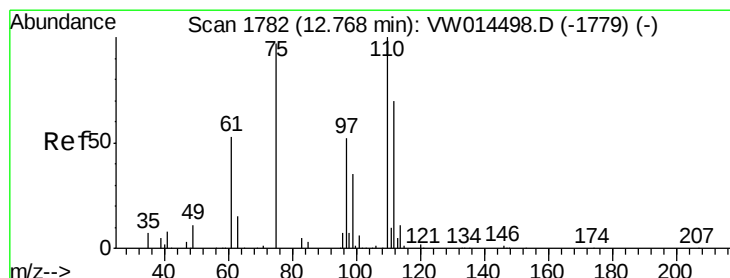
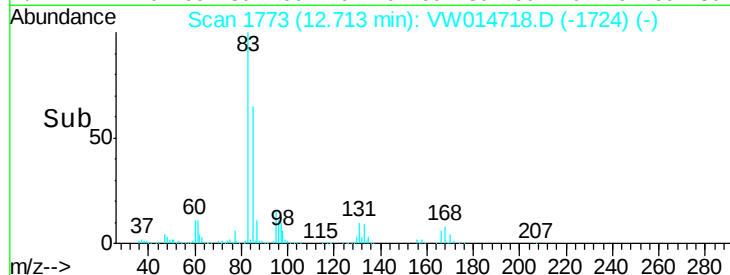
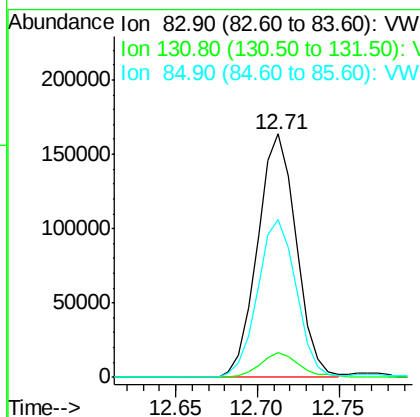
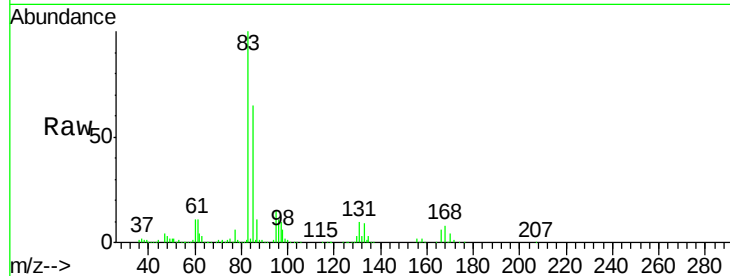
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	270819
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	64.6	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 50.339 ug/l m

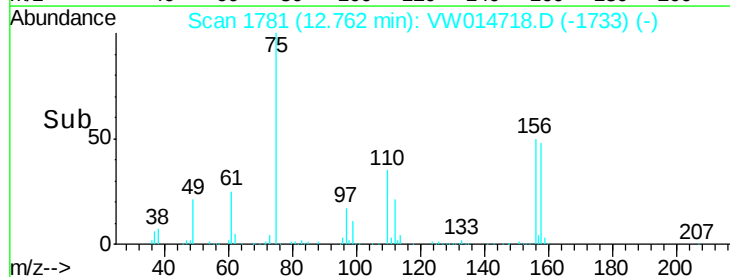
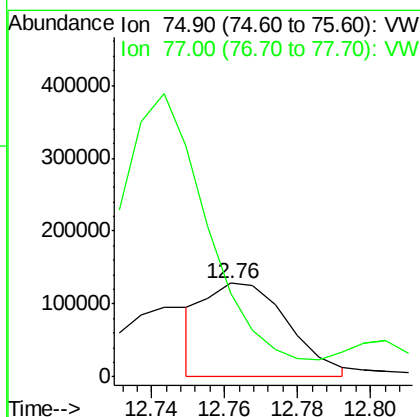
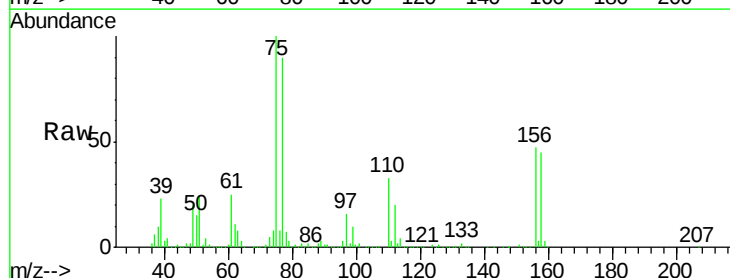
RT: 12.76 min Scan# 1781

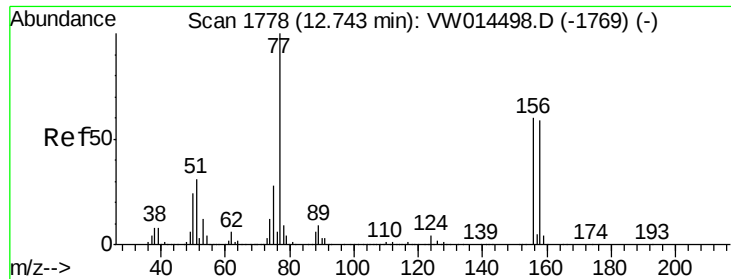
Delta R.T. -0.01 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	75	Resp:	203954
Ion Ratio	Lower	Upper	
75	100		
77	343.1	0.0	0.0#





#77

Bromobenzene

Concen: 50.384 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

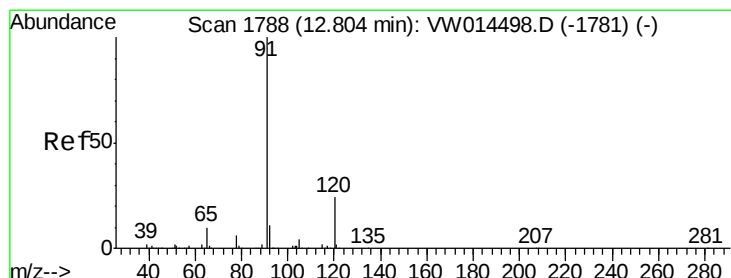
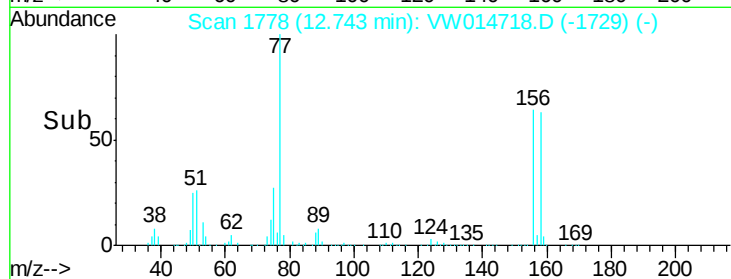
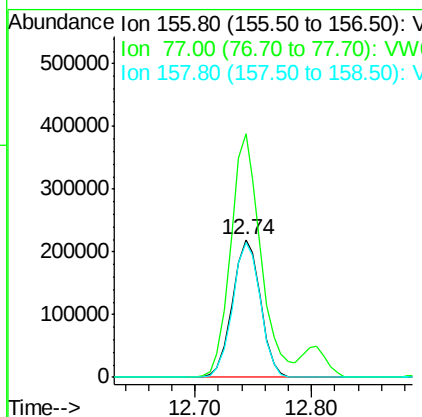
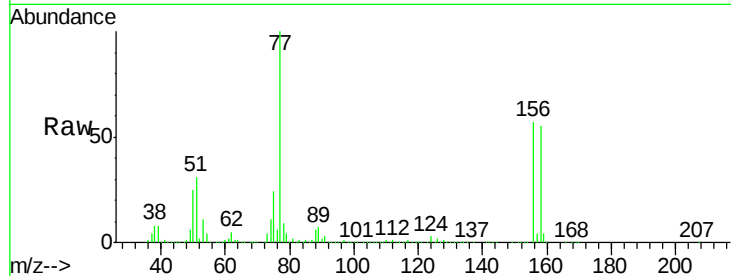
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	367951
Ion Ratio	Lower	Upper	
156	100		
77	190.2	92.3	277.1
158	97.0	48.6	145.9

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#78

n-propylbenzene

Concen: 54.225 ug/l

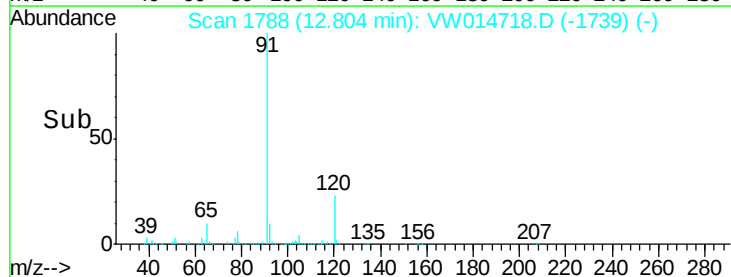
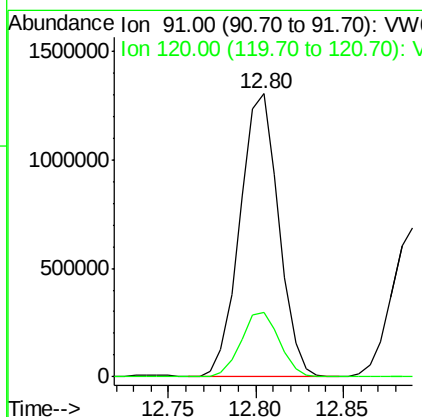
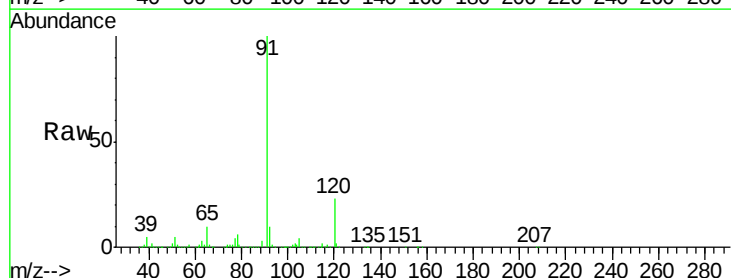
RT: 12.80 min Scan# 1788

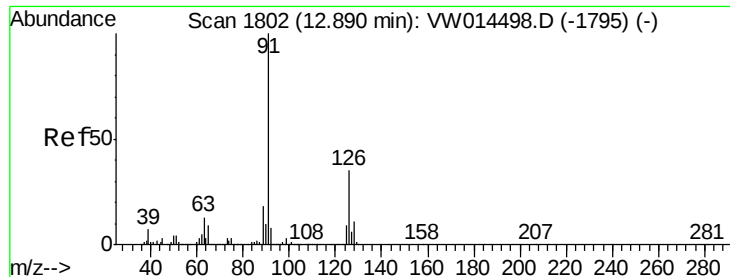
Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	91	Resp:	2004884
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.7	35.1





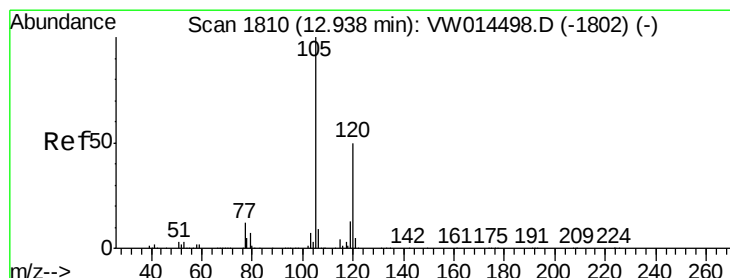
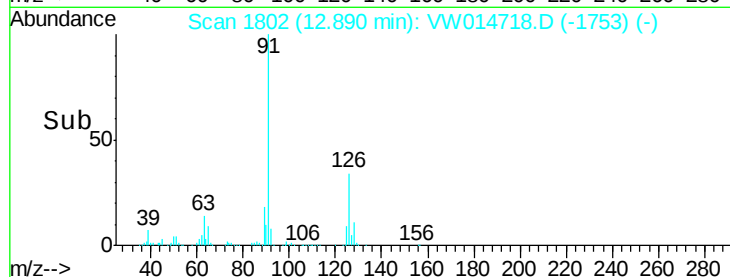
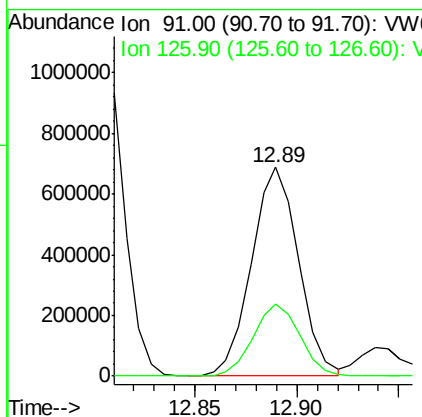
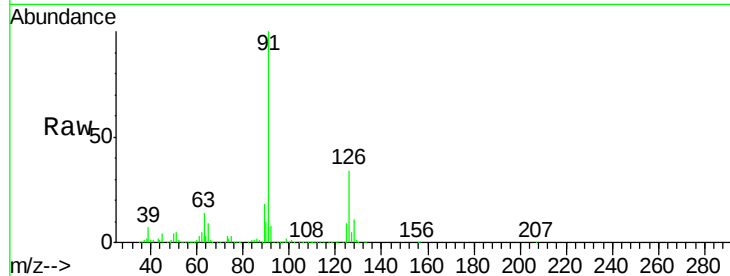
#79
2-Chlorotoluene
Concen: 52.452 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1103639
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2

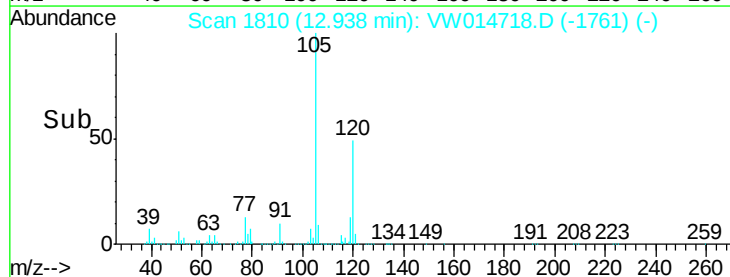
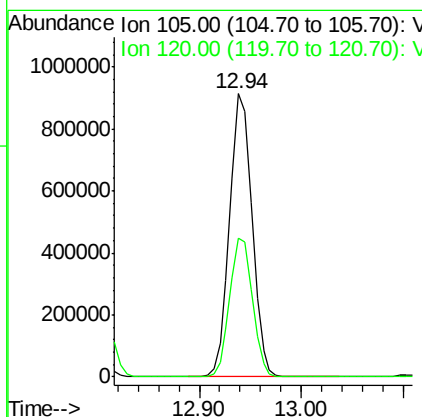
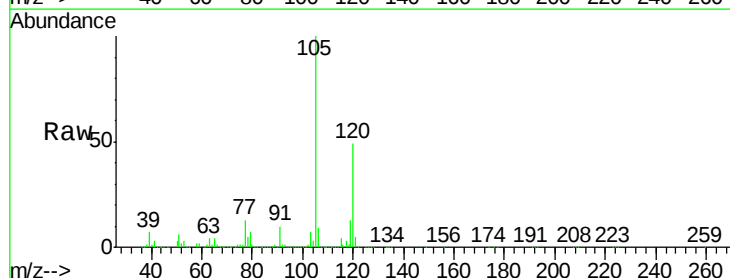
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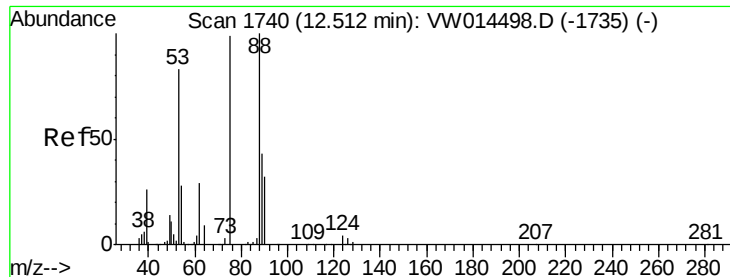
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#80
1,3,5-Trimethylbenzene
Concen: 52.592 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion: 105 Resp: 1388468
Ion Ratio Lower Upper
105 100
120 49.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.060 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

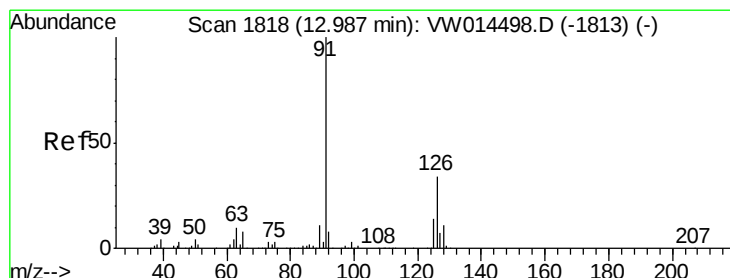
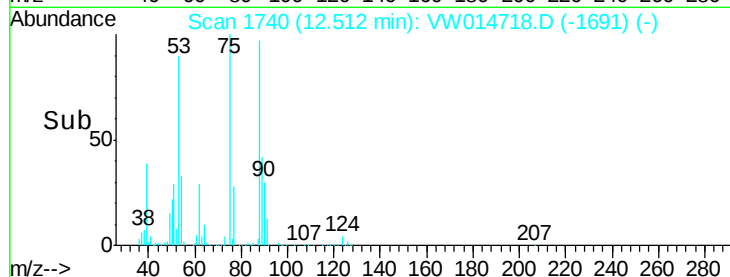
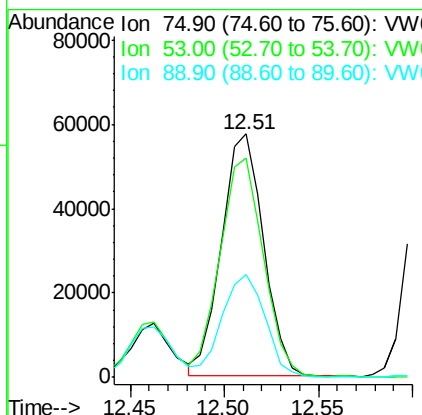
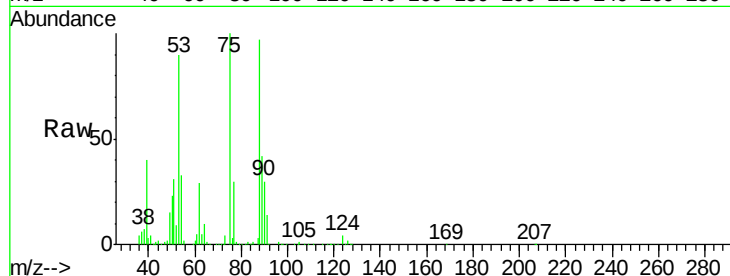
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	89215
Ion	Ratio	Lower	Upper
75	100		
53	92.9	70.9	106.3
89	44.2	35.8	53.8

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#82

4-Chlorotoluene

Concen: 52.655 ug/l

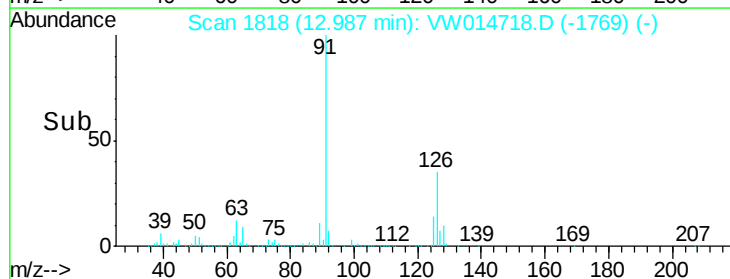
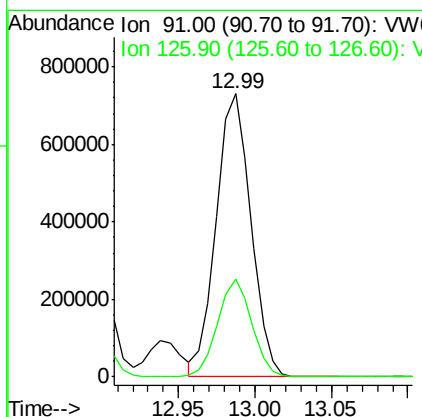
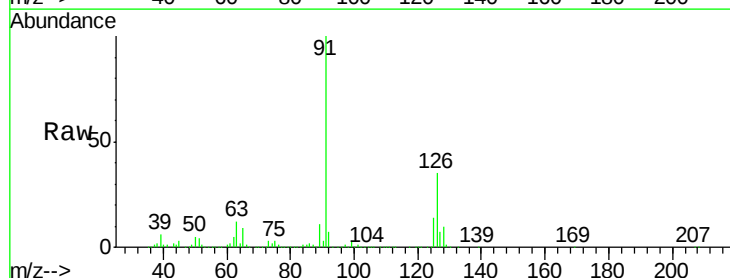
RT: 12.99 min Scan# 1818

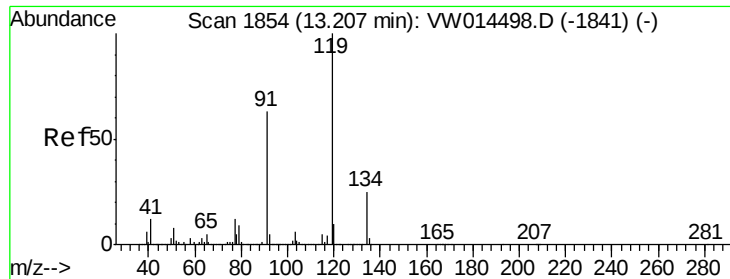
Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion:	91	Resp:	1151046
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.2





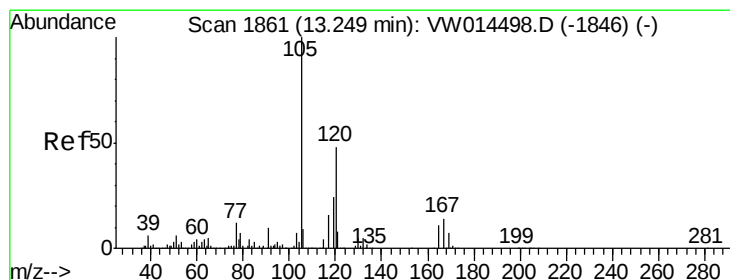
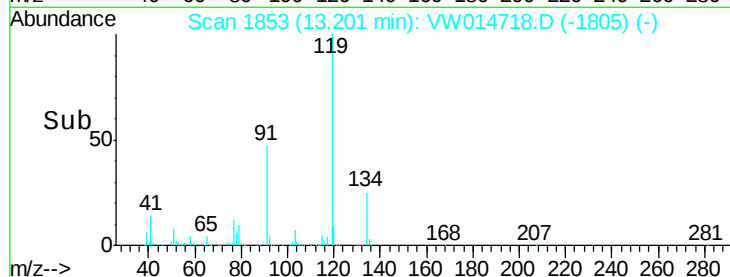
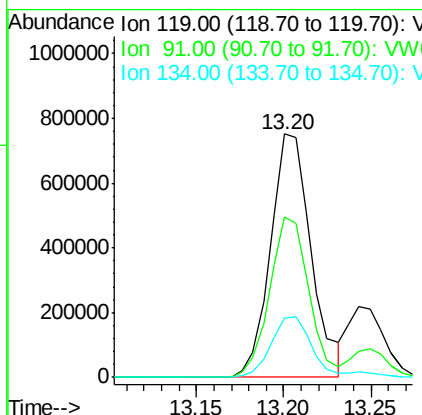
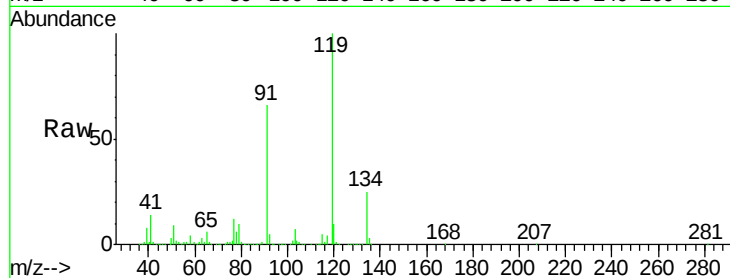
#83
tert-Butylbenzene
Concen: 52.718 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.1	93.3
134	26.5	13.5	40.5

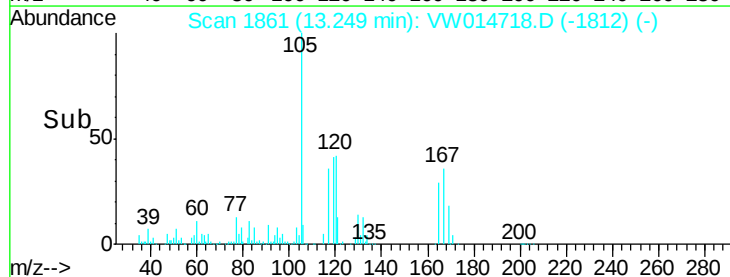
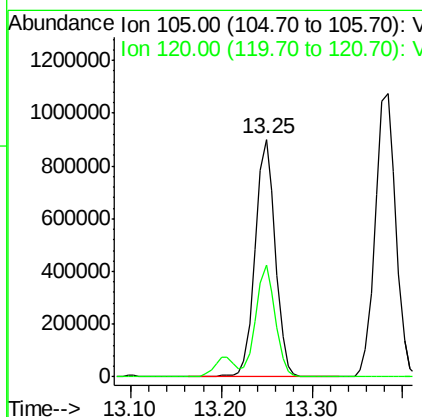
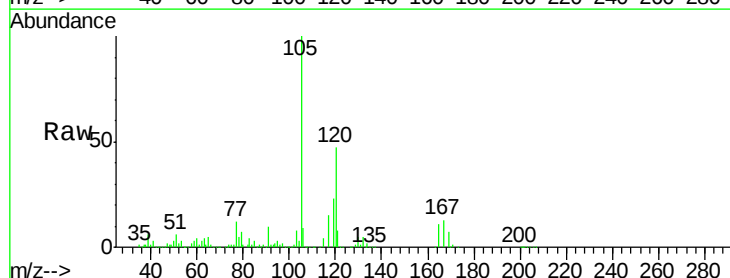
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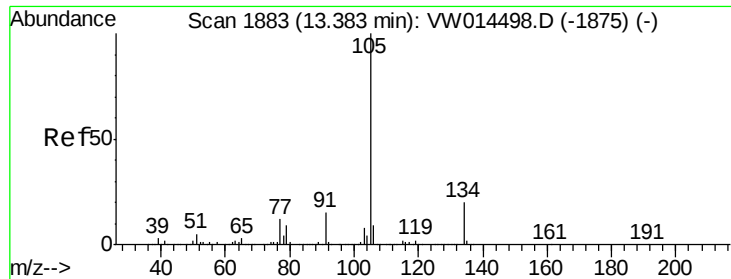
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#84
1,2,4-Trimethylbenzene
Concen: 52.524 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.0





#85

sec-Butylbenzene

Concen: 52.650 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1684507

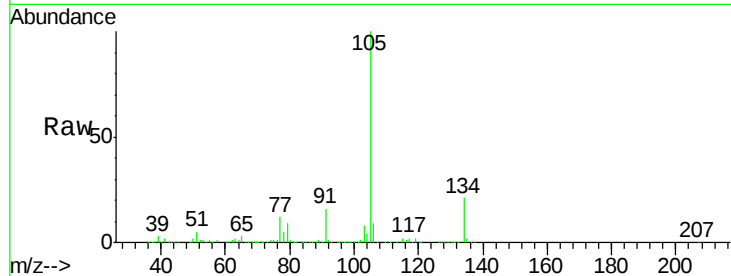
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6

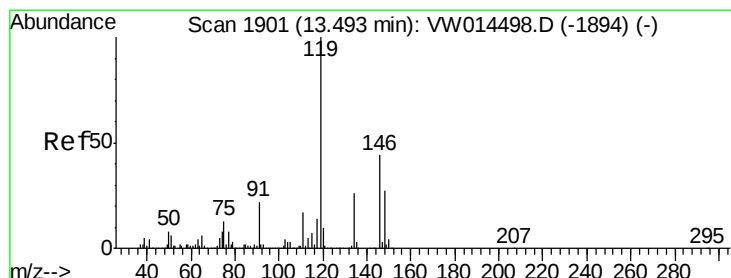
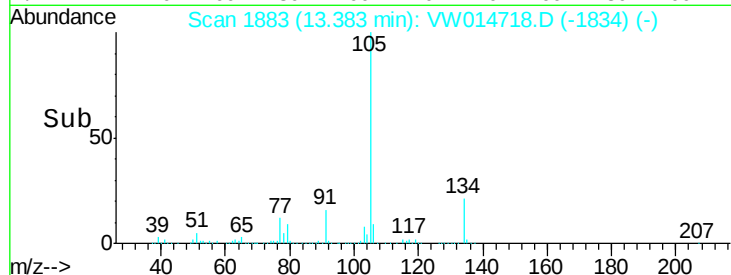
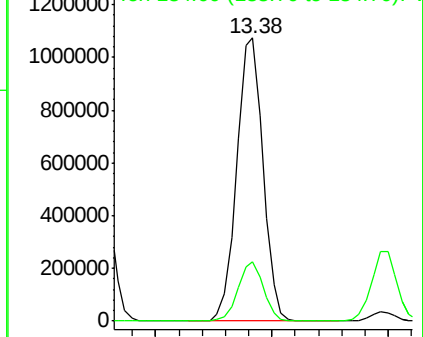
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.019 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

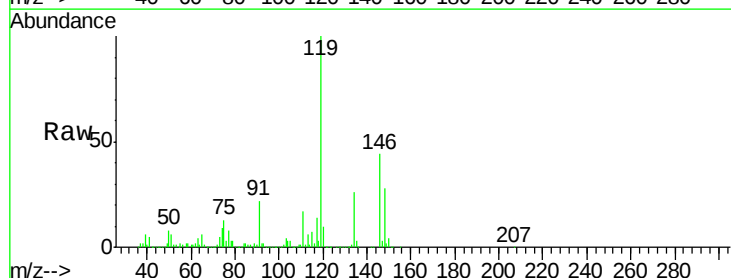
Tgt Ion:119 Resp: 1546184

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

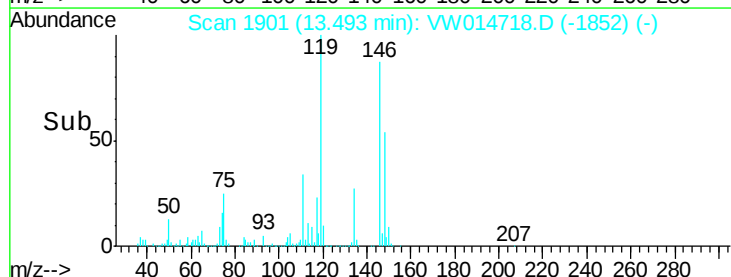
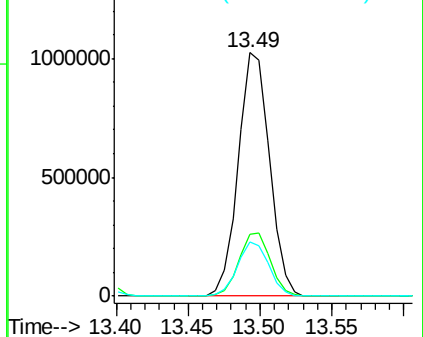
91 22.3 11.1 33.3

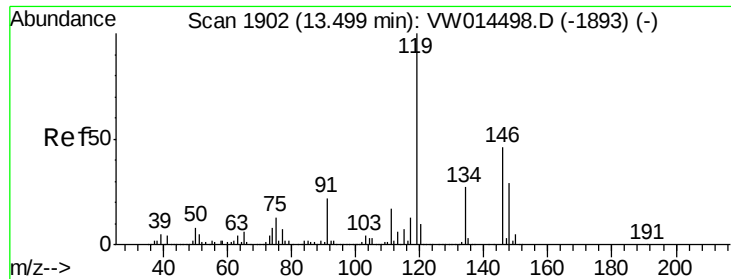


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.523 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014718.D

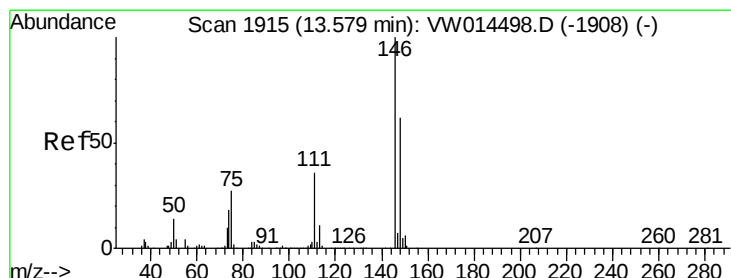
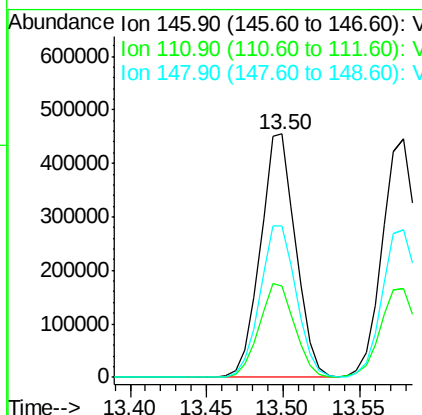
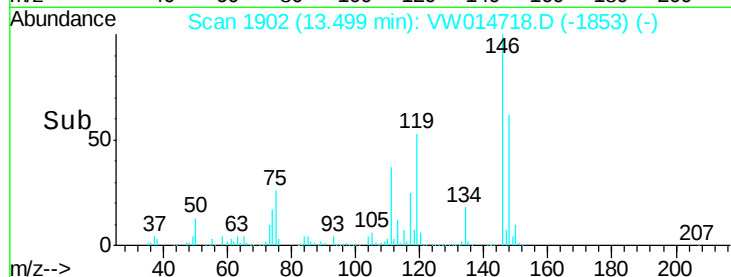
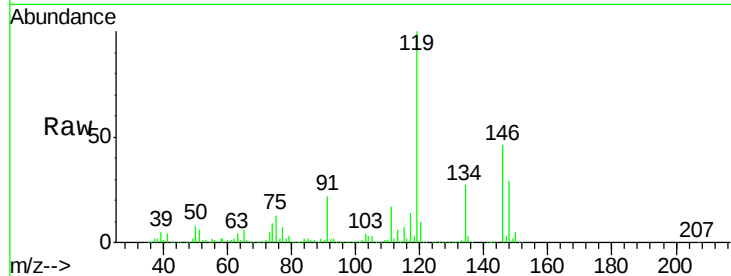
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.9	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 50.679 ug/l

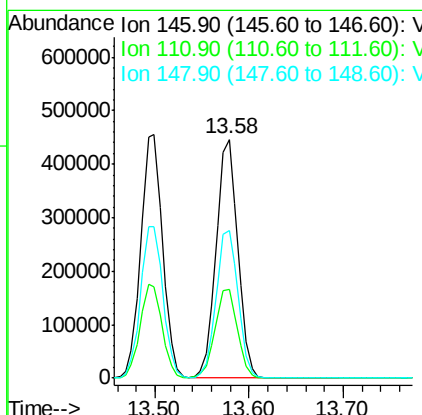
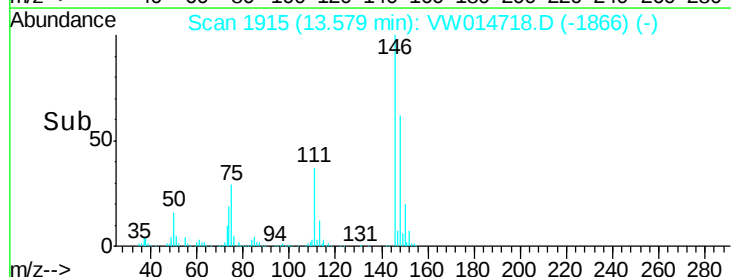
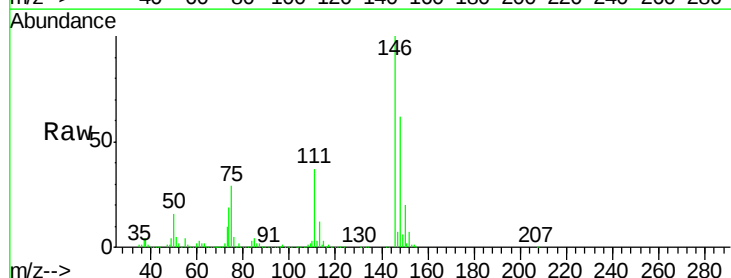
RT: 13.58 min Scan# 1915

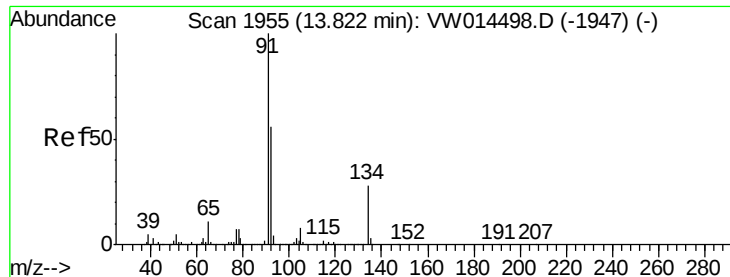
Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	62.9	31.7	95.1





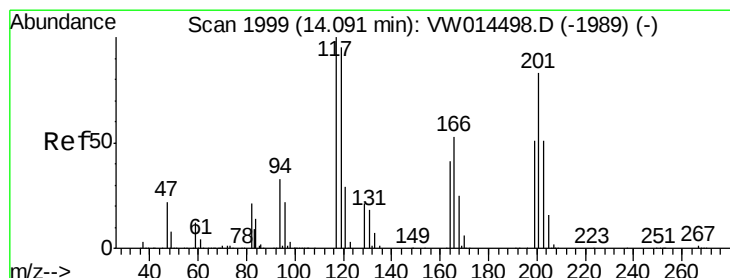
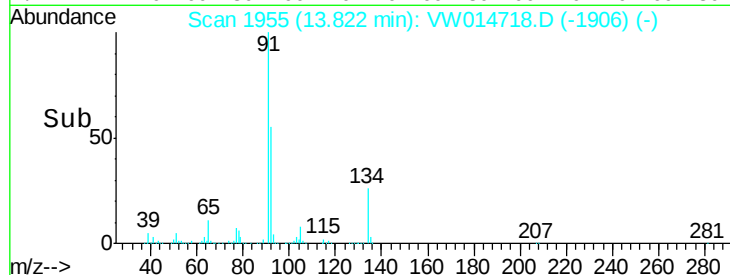
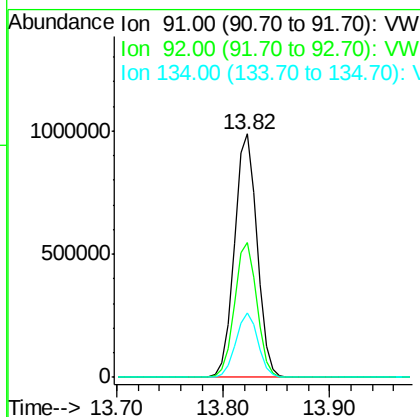
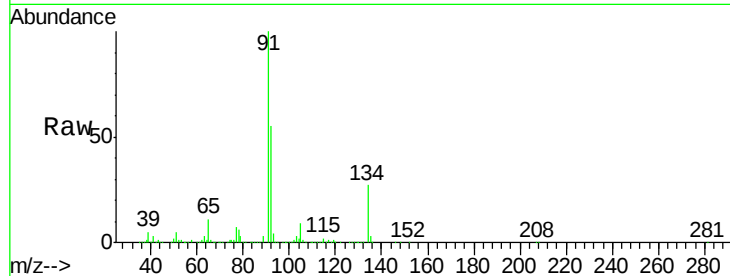
#89
n-Butylbenzene
Concen: 54.320 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.5
134	26.2	13.7	41.1

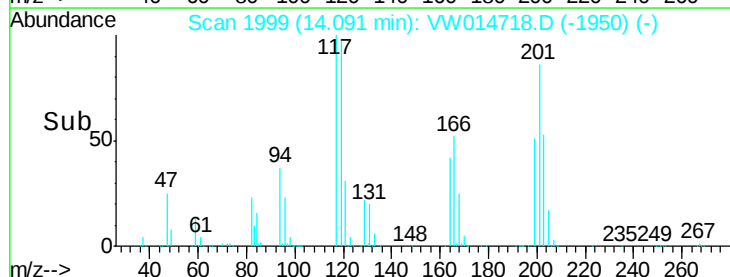
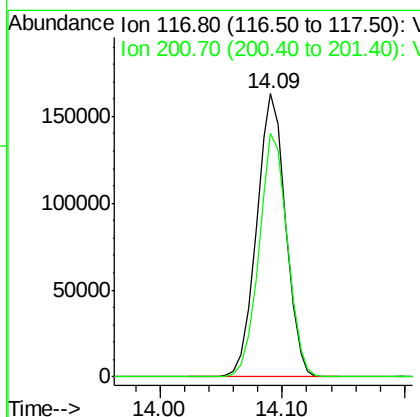
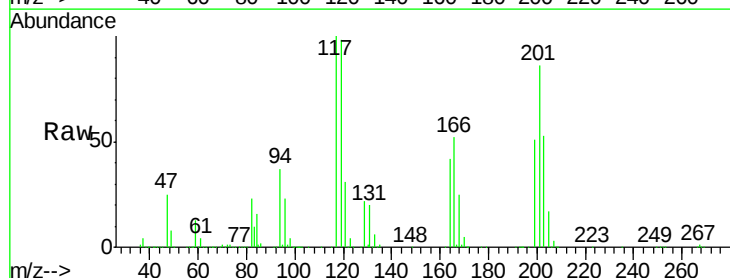
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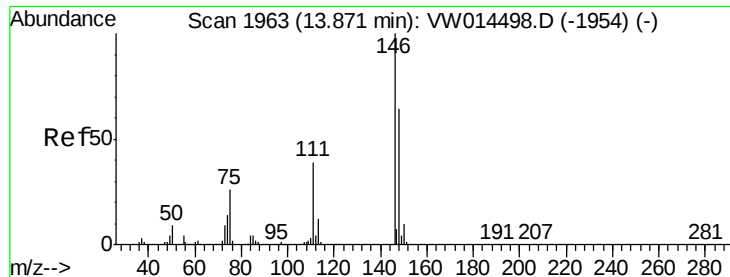
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#90
Hexachloroethane
Concen: 52.547 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	43.0	128.8





#91

1,2-Dichlorobenzene

Concen: 49.824 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW014718.D

Acq: 23 Jan 2020 10:18

Instrument :

MSVOA_W

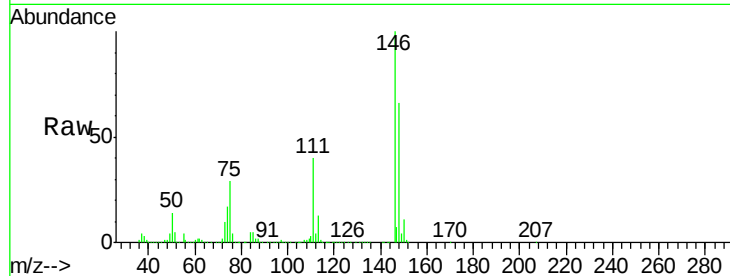
ClientSampleId :

VSTDCCC050

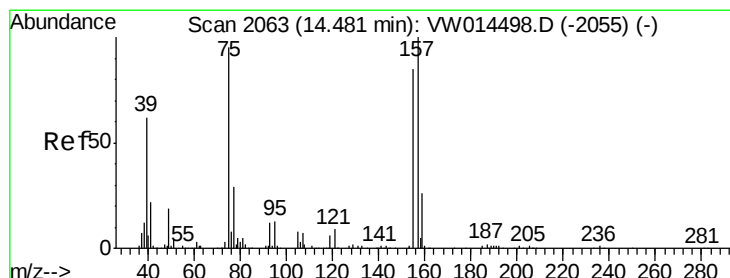
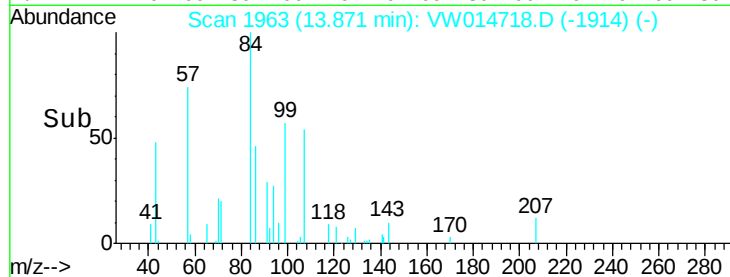
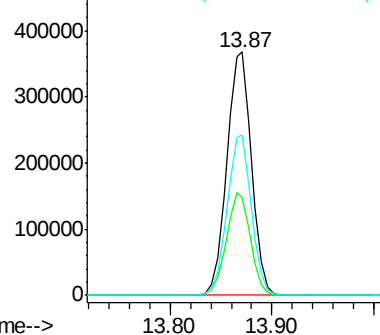
Tot Ion:	146	Resp:	621889
Ion Ratio		Lower	Upper
146	100		
111	41.2	20.4	61.3
148	65.1	32.3	96.8

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.117 ug/l

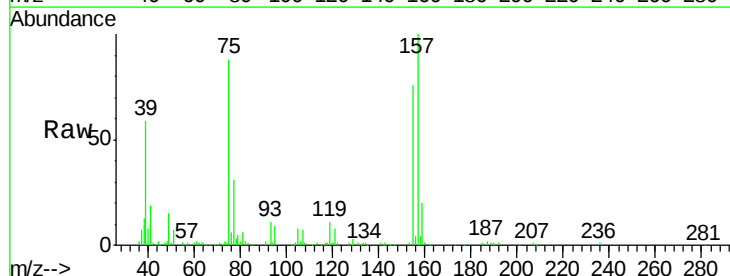
RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

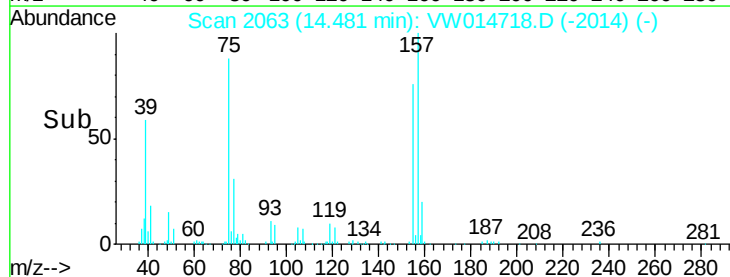
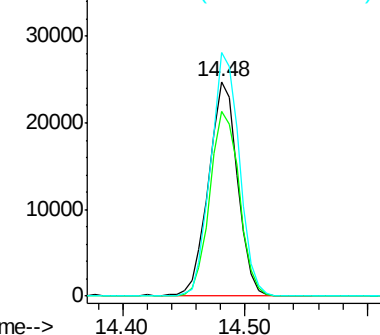
Lab File: VW014718.D

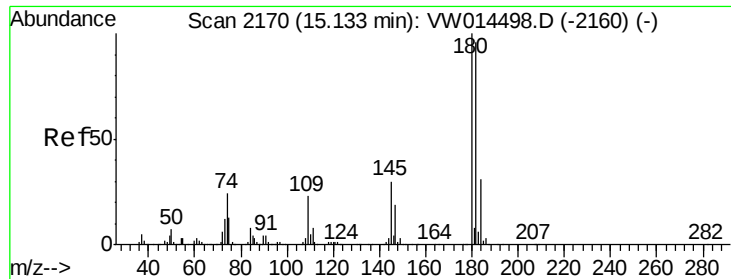
Acq: 23 Jan 2020 10:18

Tgt Ion:	75	Resp:	40548
Ion Ratio		Lower	Upper
75	100		
155	87.4	45.8	137.4
157	112.1	58.1	174.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





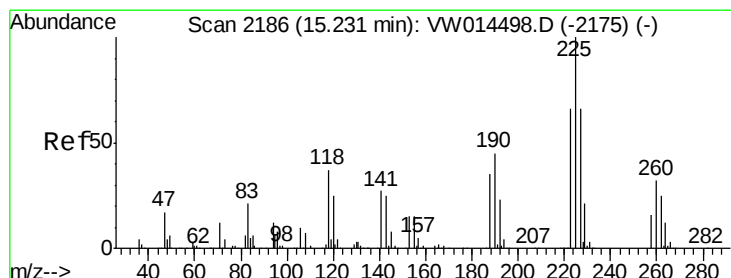
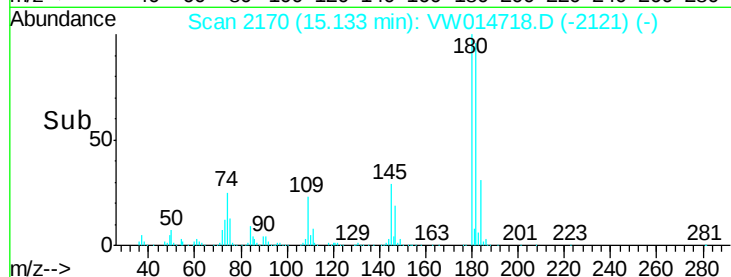
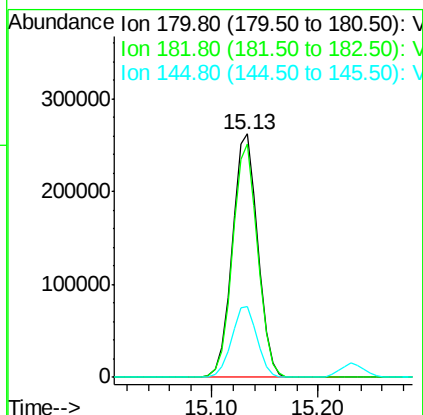
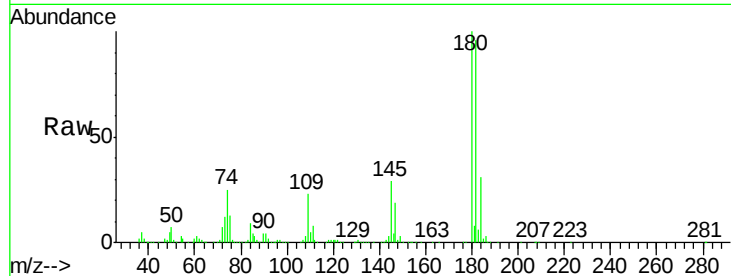
#93
 1,2,4-Trichlorobenzene
 Concen: 52.042 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.3	141.8	
145	29.2	14.7	44.1	

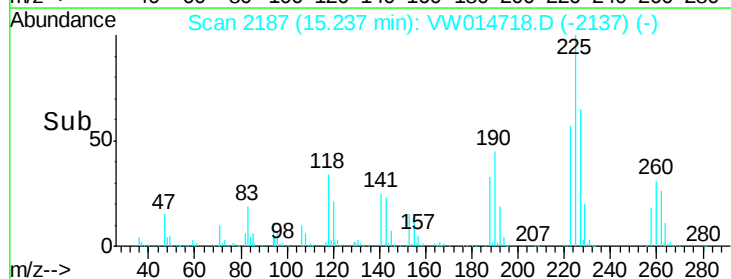
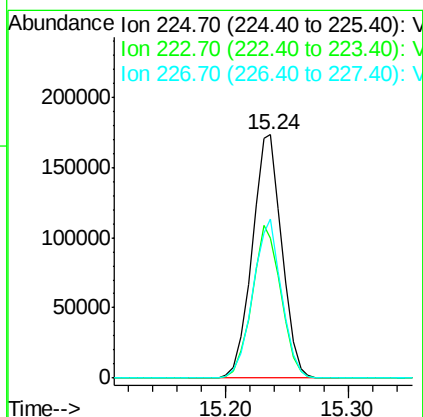
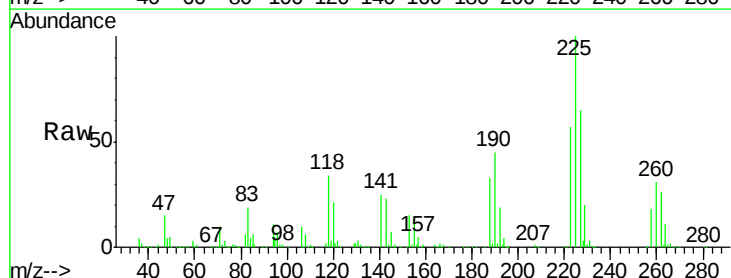
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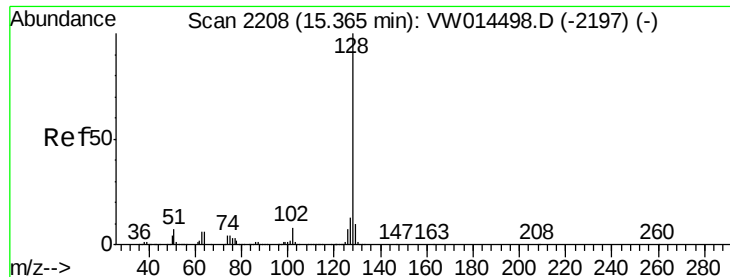
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#94
 Hexachlorobutadiene
 Concen: 51.750 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014718.D
 Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.1	32.4	97.2	
227	63.0	32.6	97.8	





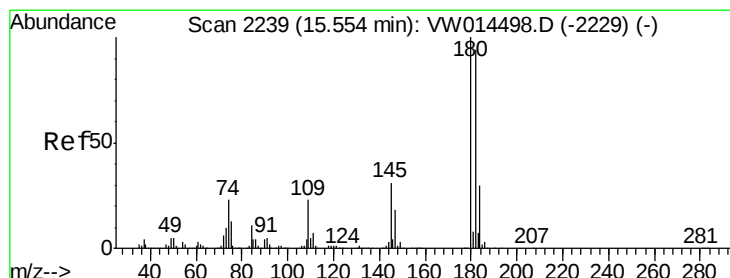
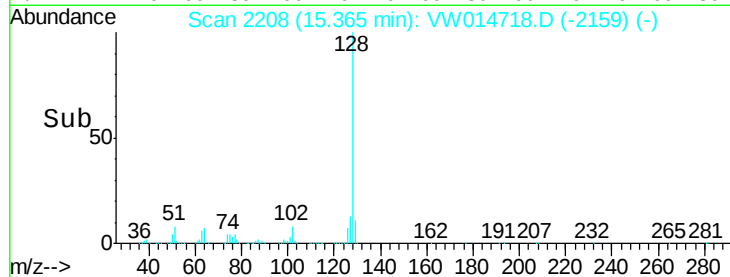
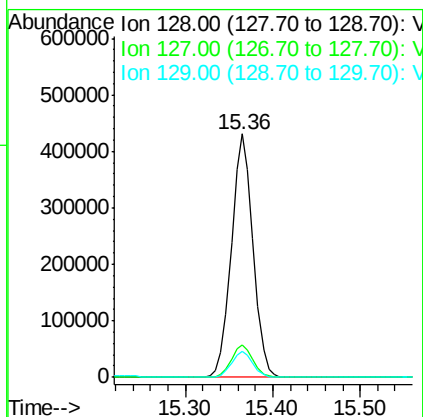
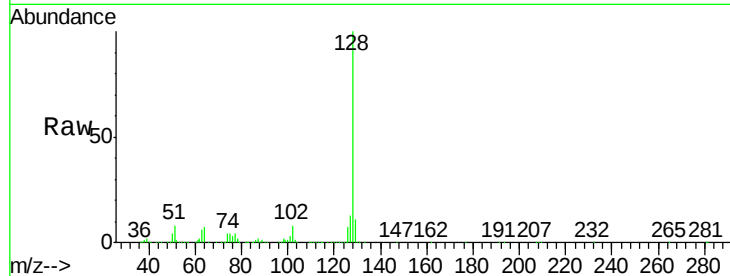
#95
Naphthalene
Concen: 51.433 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 52.272 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014718.D
Acq: 23 Jan 2020 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.2
145	30.2	15.5	46.5

