

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\
 Data File : VW014981.D
 Acq On : 13 Feb 2020 15:37
 Operator : SY/VA
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:28:57 PM

Quant Time: Feb 14 04:58:28 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Fri Feb 14 04:50:37 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	727756	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	678990	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	266929	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	373382	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.92%
7) Chloroethane-d5	2.89	69	280668	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.52%
11) 1,1-Dichloroethene-d2	4.02	63	497657	18.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.72%
21) 2-Butanone-d5	7.07	46	206280	50.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.00%
24) Chloroform-d	7.65	84	580637	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.31	65	361722	26.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.52%
32) Benzene-d6	8.27	84	1175895	25.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	9.27	67	407328	25.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.52%
41) Toluene-d8	10.32	98	997664	25.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	10.57	79	150688	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.84%
47) 2-Hexanone-d5	10.92	63	143463	51.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.52%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	294858	25.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	278105	27.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	6870	0.950 ug/L	98
3) Chloromethane	2.21	50	14738	1.084 ug/L	94
5) Vinyl chloride	2.36	62	19508	1.115 ug/L #	40
6) Bromomethane	2.78	94	8743	1.101 ug/L	95
8) Chloroethane	2.93	64	8830	0.943 ug/L	93
9) Trichlorofluoromethane	3.25	101	6292	0.910 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	16090m	1.423 ug/L	
12) 1,1-Dichloroethene	4.04	96	14521	1.339 ug/L #	1
13) Acetone	4.13	43	14830	3.478 ug/L	73
14) Carbon disulfide	4.39	76	37787	0.964 ug/L	98
15) Methyl Acetate	4.68	43	7555m	1.021 ug/L	
16) Methylene chloride	4.92	84	52358	3.894 ug/L	94
17) trans-1,2-Dichloroethene	5.42	96	10524	0.962 ug/L	91
18) Methyl tert-butyl Ether	5.43	73	12735m	0.943 ug/L	
19) 1,1-Dichloroethane	6.21	63	24678	1.010 ug/L	95
20) cis-1,2-Dichloroethene	7.17	96	11332	1.005 ug/L	91
22) 2-Butanone	7.17	43	15950	3.112 ug/L	88

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Quant Time: Feb 14 04:58:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 14 04:50:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	4911	1.073	ug/L	96
25) Chloroform	7.67	83	24754	1.137	ug/L	97
27) 1,2-Dichloroethane	8.40	62	17783	1.111	ug/L	98
29) Cyclohexane	7.95	56	17990	0.813	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	16269	0.985	ug/L	100
31) Carbon tetrachloride	8.07	117	14349	0.964	ug/L	96
33) Benzene	8.32	78	52973	1.063	ug/L	100
34) Trichloroethene	9.09	95	12225	1.024	ug/L	98
35) Methylcyclohexane	9.34	83	17981	0.873	ug/L	94
37) 1,2-Dichloropropane	9.37	63	13660	0.981	ug/L #	93
38) Bromodichloromethane	9.64	83	16190	1.033	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	17570	0.943	ug/L	94
40) 4-Methyl-2-pentanone	10.21	43	19712	1.989	ug/L	99
42) Toluene	10.38	91	50899	1.057	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	16017	1.036	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	8818	1.044	ug/L	93
46) Tetrachloroethene	10.86	164	7520	0.970	ug/L	93
48) 2-Hexanone	10.97	43	14407	1.995	ug/L #	97
49) Dibromochloromethane	11.13	129	8358	0.950	ug/L	99
50) 1,2-Dibromoethane	11.23	107	7723	1.014	ug/L	99
51) Chlorobenzene	11.65	112	29476	1.037	ug/L	91
52) Ethylbenzene	11.73	91	46446	0.885	ug/L	94
53) m,p-Xylene	11.84	106	15141	0.822	ug/L	97
54) o-Xylene	12.16	106	13621	0.788	ug/L	94
55) Styrene	12.18	104	21599	0.725	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	13009	1.151	ug/L #	89
59) Bromoform	12.35	173	4053	0.993	ug/L #	38
60) Isopropylbenzene	12.46	105	33874	0.811	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	8856	1.132	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	26407	0.793	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	25154	0.772	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	17575	1.020	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	17981	1.013	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	18320	1.149	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.48	75	2186	1.336	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.63	180	10942	0.948	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	7556	0.873	ug/L	98
71) Naphthalene	15.36	128	7065	0.795	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.56	180	7311	0.912	ug/L	97

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

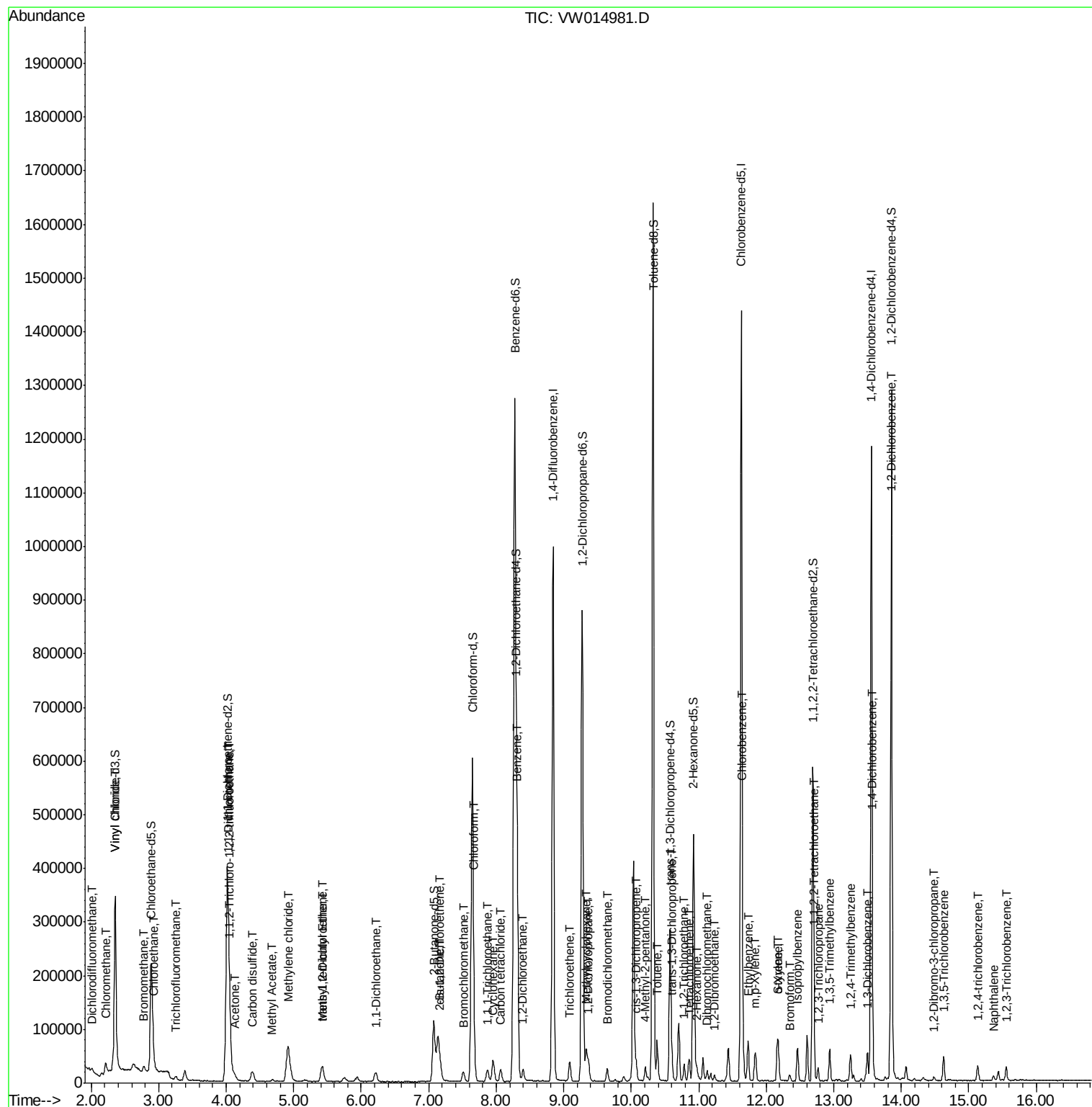
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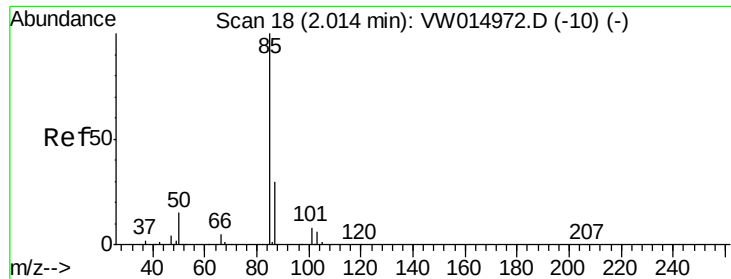
Instrument :
MSVOA_W
ClientSampled :
MDL03

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.950 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

MDL03

Tot Ion: 85 Resp: 6870

Ion Ratio Lower Upper

85 100

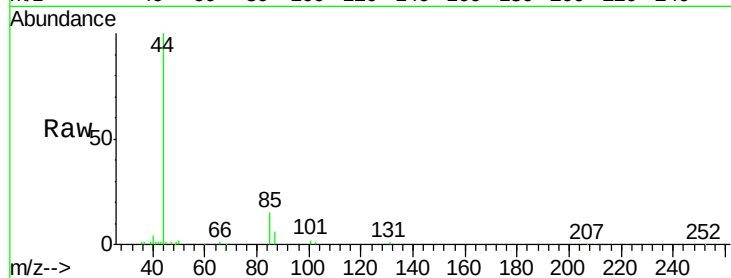
87 27.8 21.5 32.3

Manual Integrations

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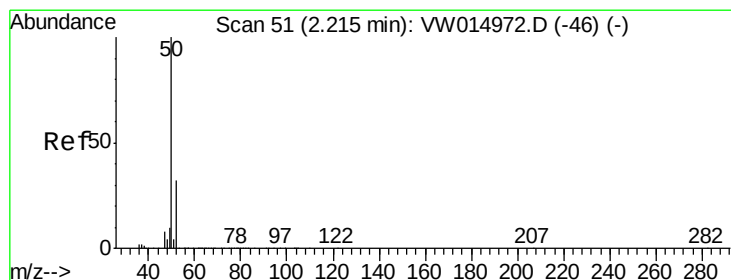
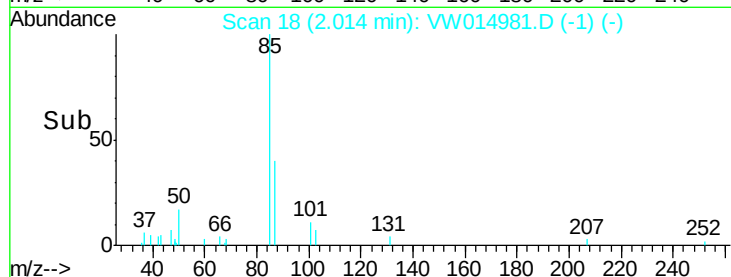
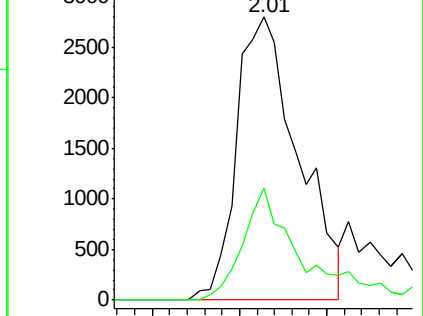
MMDadoda

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Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.084 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014981.D

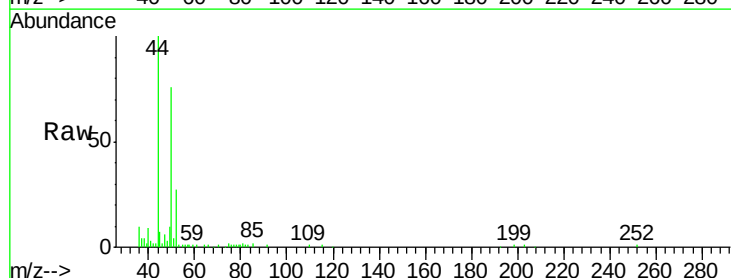
Acq: 13 Feb 2020 15:37

Tgt Ion: 50 Resp: 14738

Ion Ratio Lower Upper

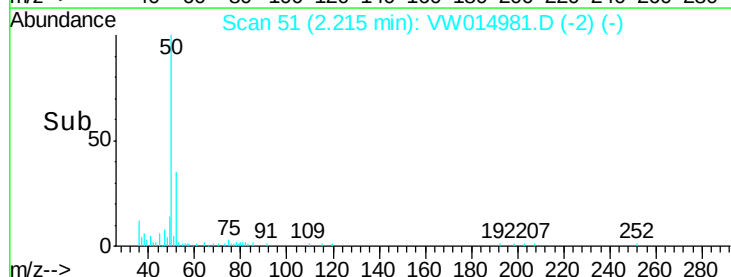
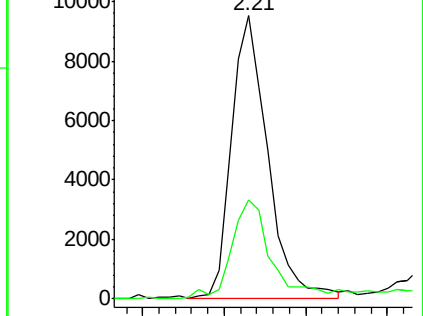
50 100

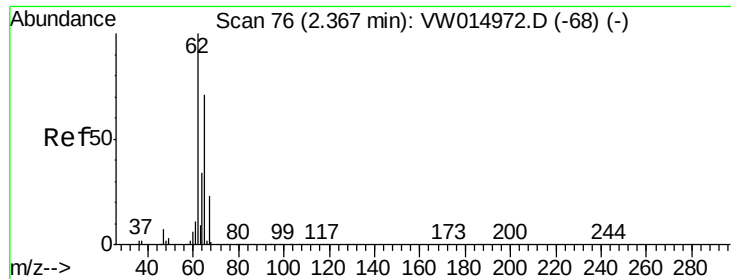
52 35.1 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.115 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion: 62 Resp: 19508

Ion Ratio Lower Upper

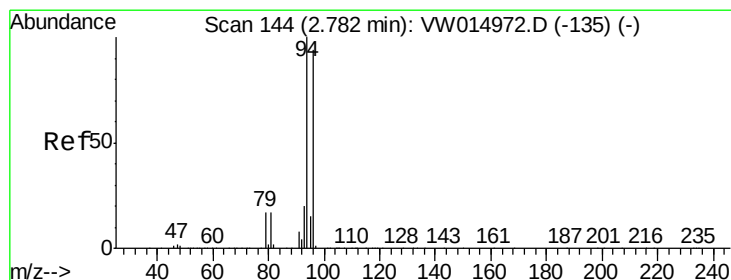
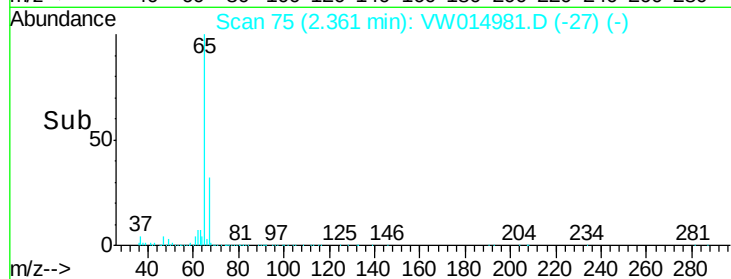
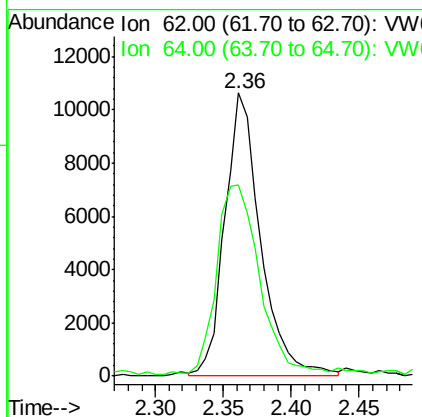
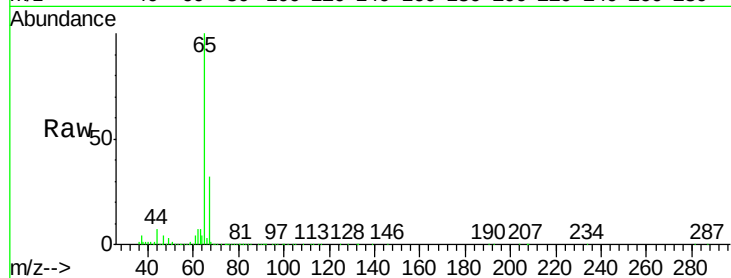
62 100

64 67.8 23.6 43.8#

Manual Integrations
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#6

Bromomethane

Concen: 1.101 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014981.D

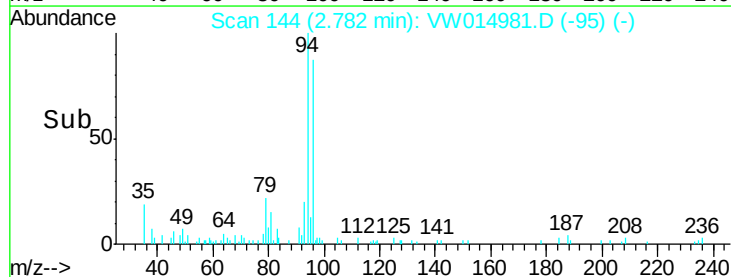
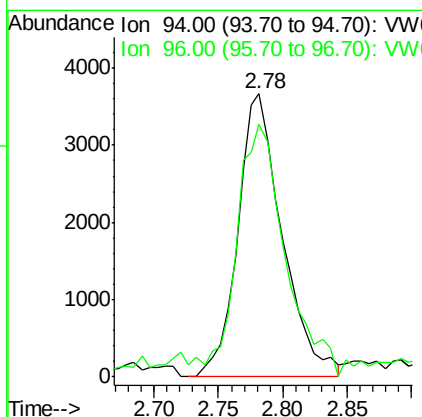
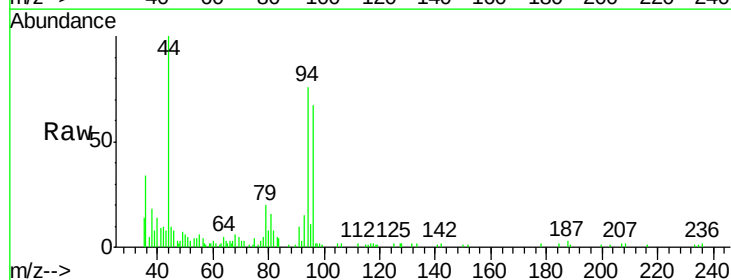
Acq: 13 Feb 2020 15:37

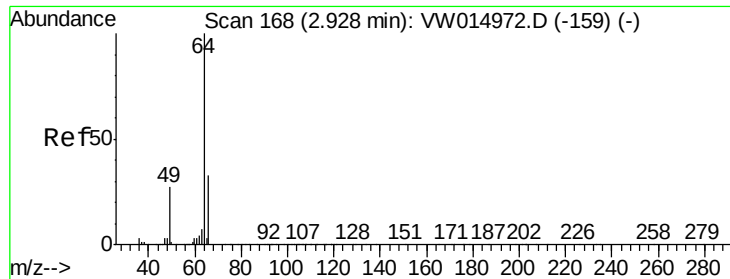
Tgt Ion: 94 Resp: 8743

Ion Ratio Lower Upper

94 100

96 89.0 65.8 122.2





#8

Chloroethane

Concen: 0.943 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

MDL03

Tot Ion: 64 Resp: 8830

Ion Ratio Lower Upper

64 100

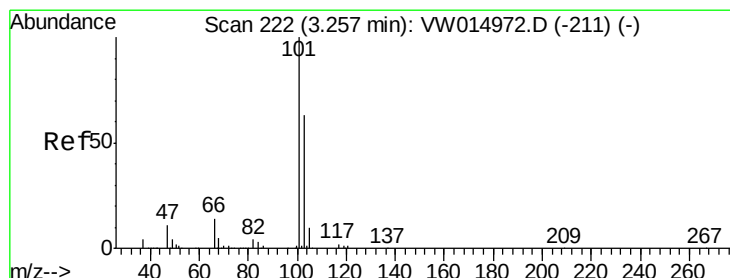
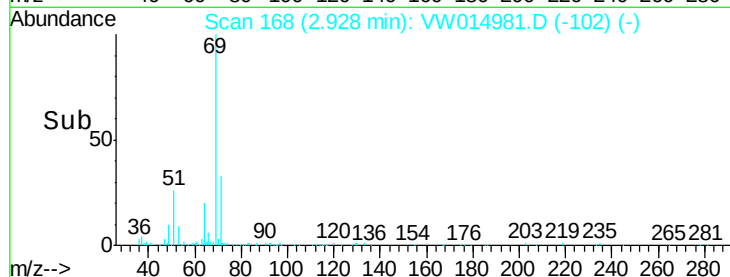
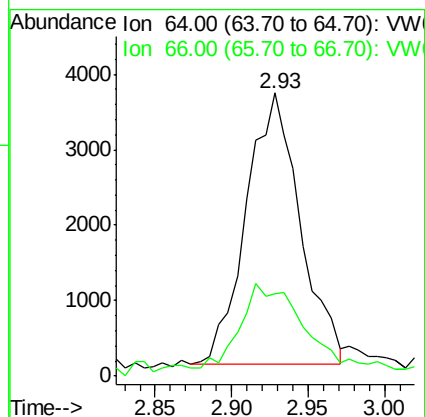
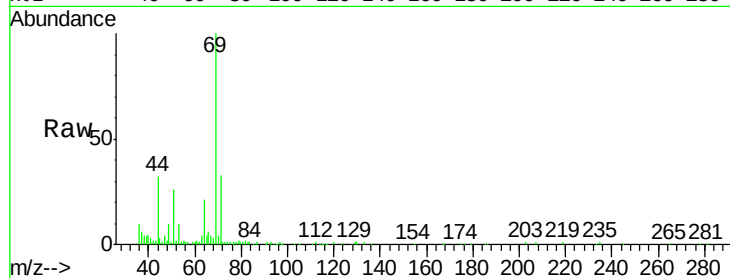
66 29.2 23.1 42.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.910 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014981.D

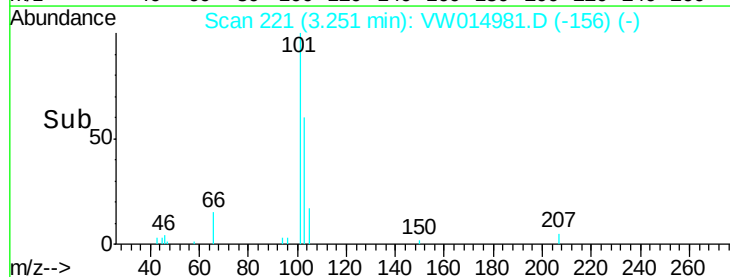
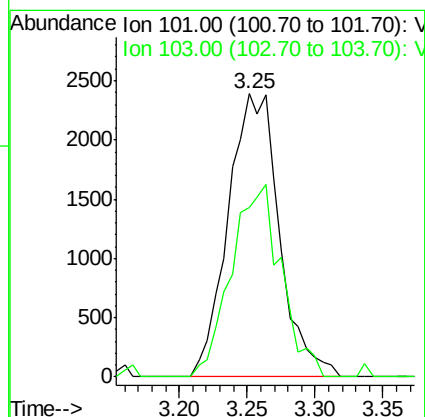
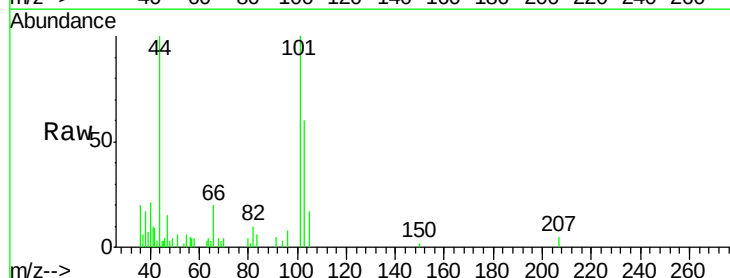
Acq: 13 Feb 2020 15:37

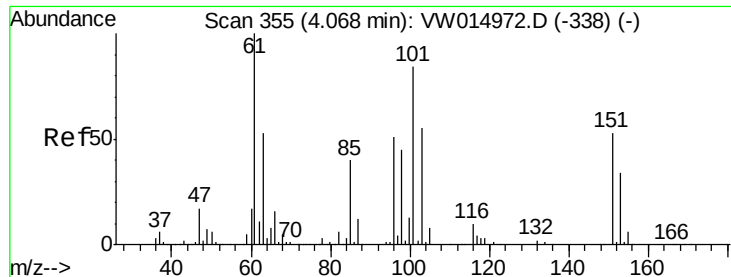
Tgt Ion: 101 Resp: 6292

Ion Ratio Lower Upper

101 100

103 63.5 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.423 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

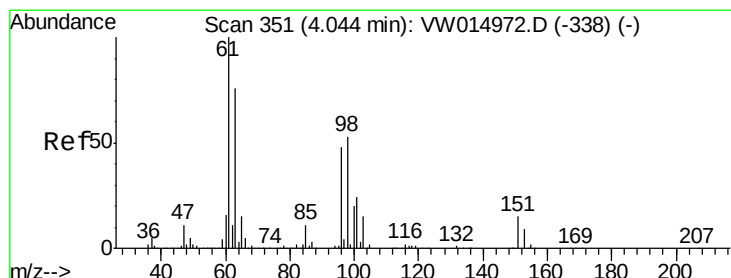
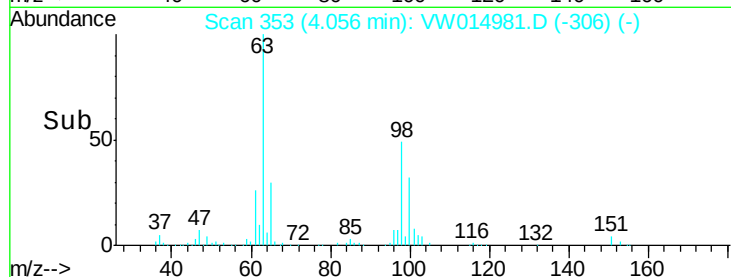
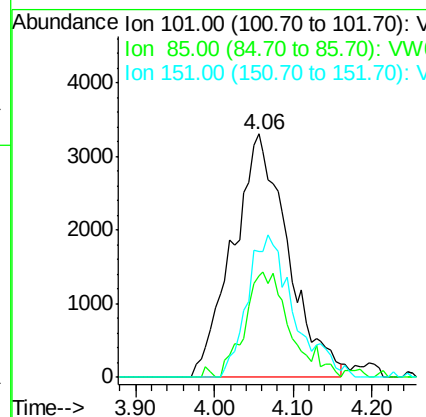
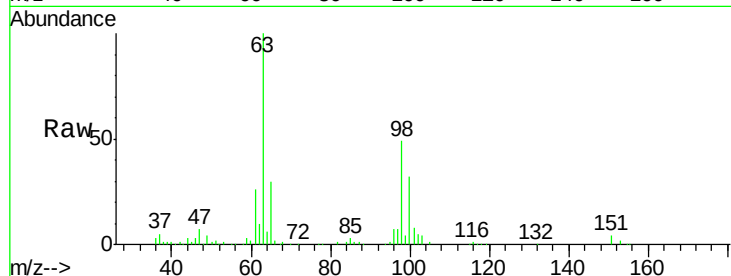
ClientSampled :

MDL03

Tot Ion:	101	Resp:	16090
Ion Ratio	Lower	Upper	
101	100		
85	9.4	36.5	54.7#
151	19.2	50.2	75.4#

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#12

1,1-Dichloroethene

Concen: 1.339 ug/L

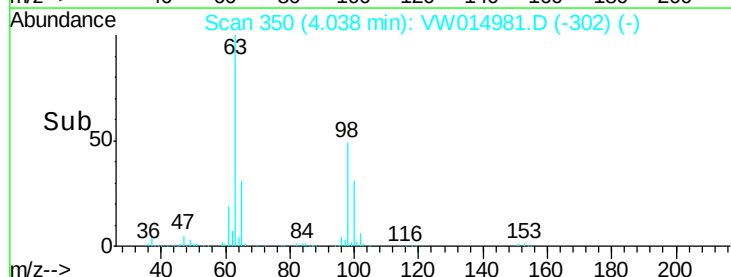
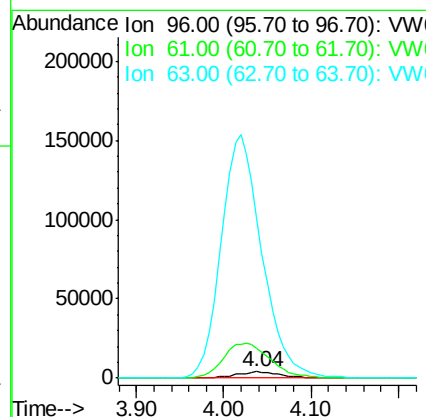
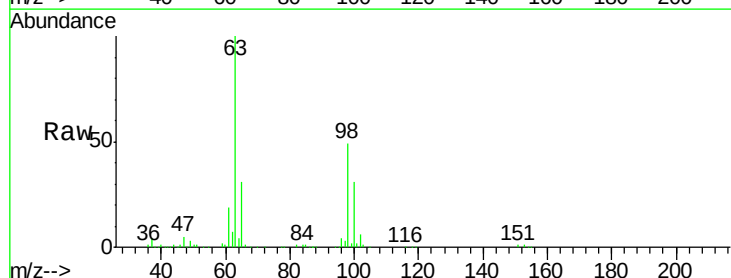
RT: 4.04 min Scan# 350

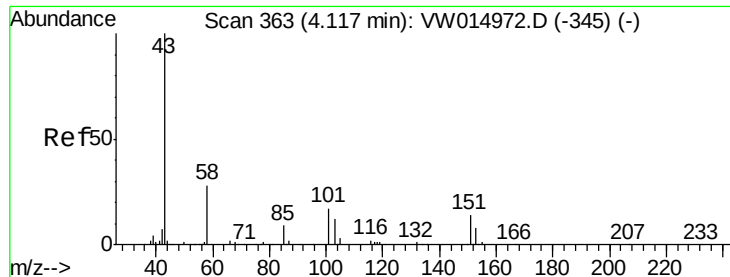
Delta R.T. -0.01 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Tgt Ion:	96	Resp:	14521
Ion Ratio	Lower	Upper	
96	100		
61	472.9	147.0	273.0#
63	2520.5	113.4	210.6#





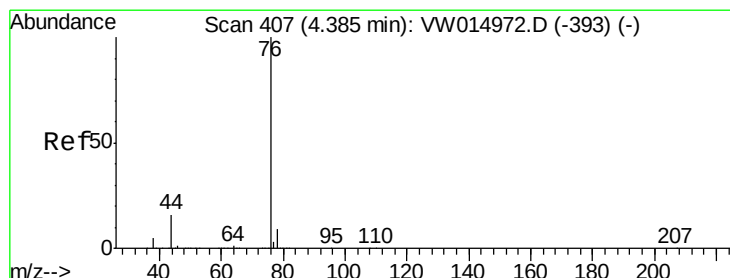
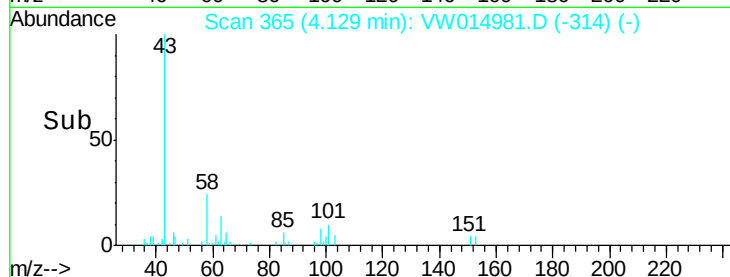
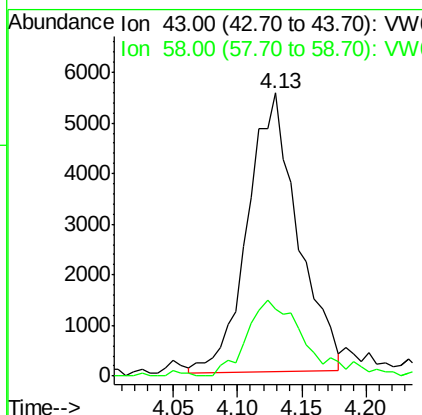
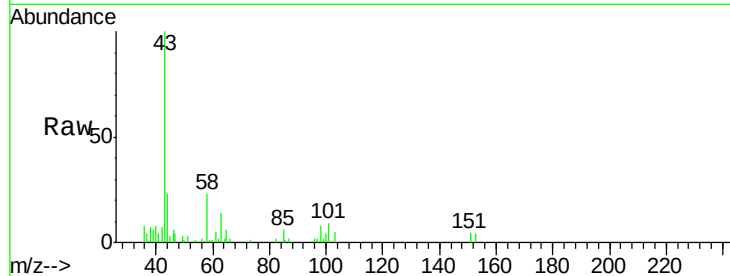
#13
Acetone
Concen: 3.478 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion	43	Resp	14830
Ion Ratio	100	Lower	Upper
58	13.3	0.0	54.6

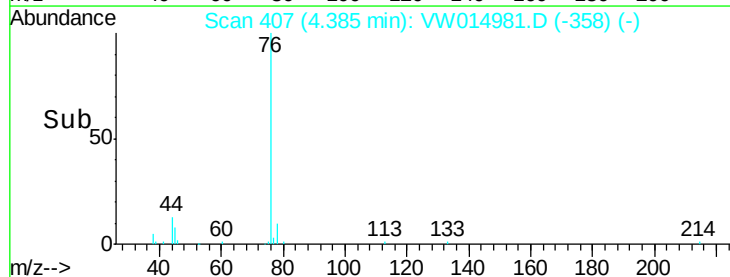
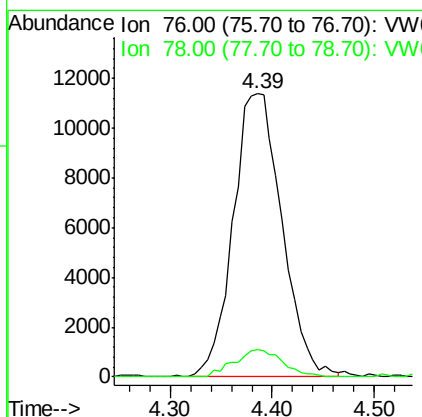
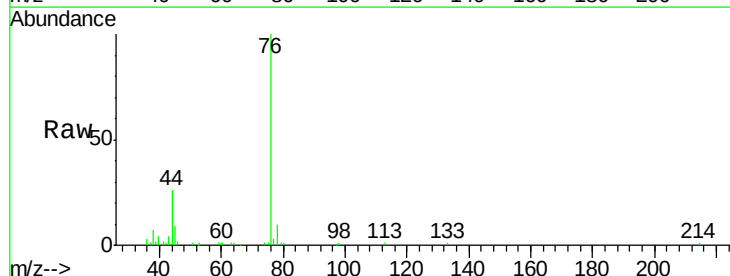
Manual Integrations
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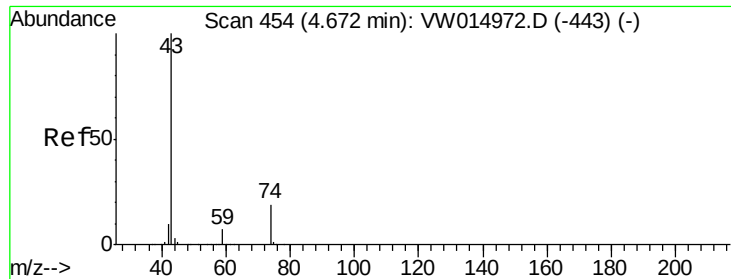
MMDadoda
2/14/2020 4:28:57 PM



#14
Carbon disulfide
Concen: 0.964 ug/L
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion	76	Resp	37787
Ion Ratio	100	Lower	Upper
78	9.9	7.2	10.8





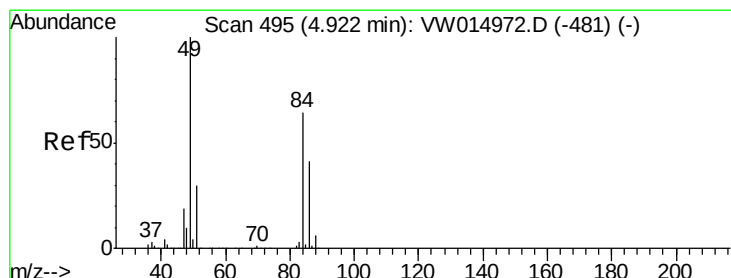
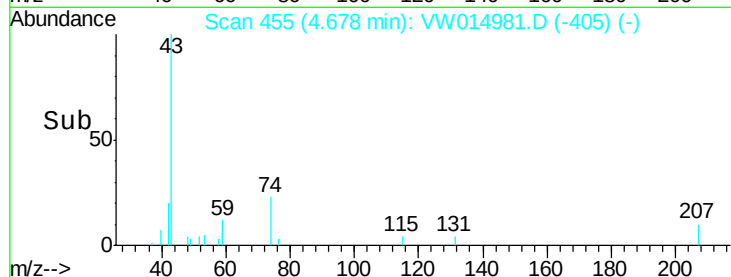
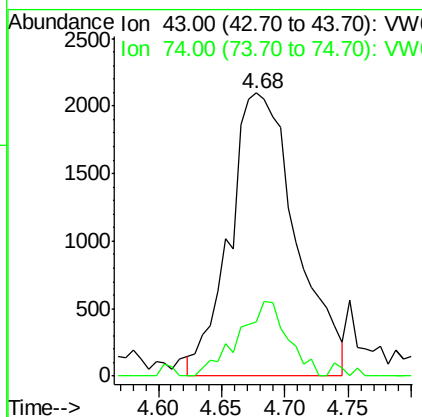
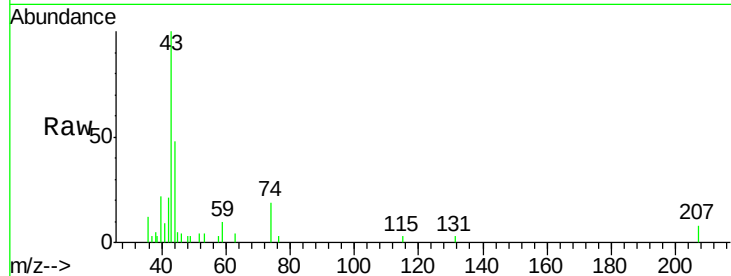
#15
Methyl Acetate
Concen: 1.021 ug/L m
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 7555
Ion Ratio Lower Upper
43 100
74 0.3 14.6 21.8#

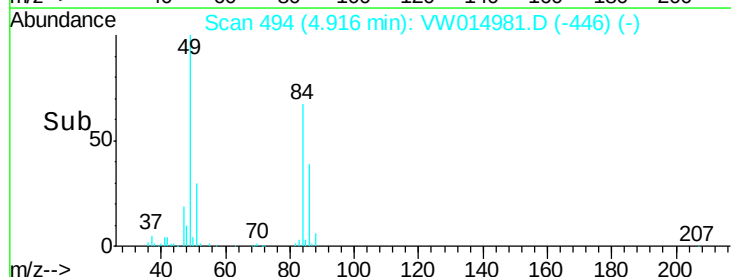
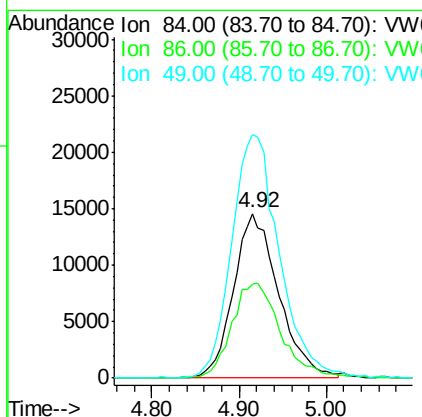
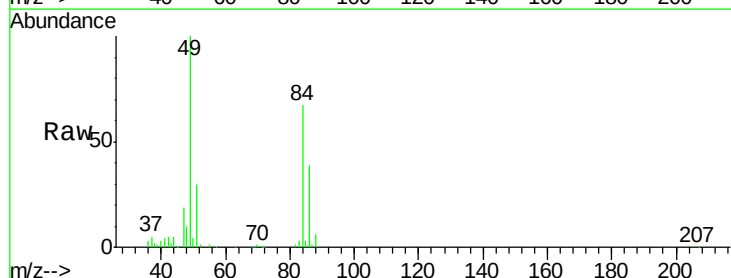
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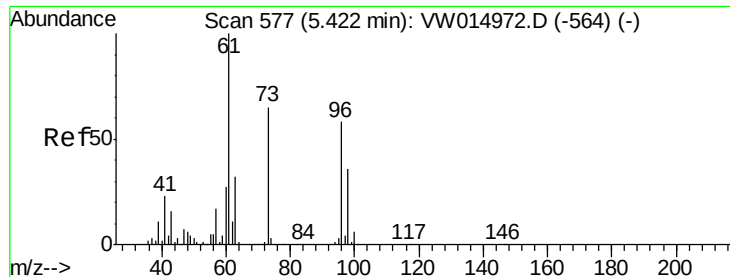
MMDadoda
2/14/2020 4:28:57 PM



#16
Methylene chloride
Concen: 3.894 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion: 84 Resp: 52358
Ion Ratio Lower Upper
84 100
86 57.4 44.4 82.4
49 148.2 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 0.962 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

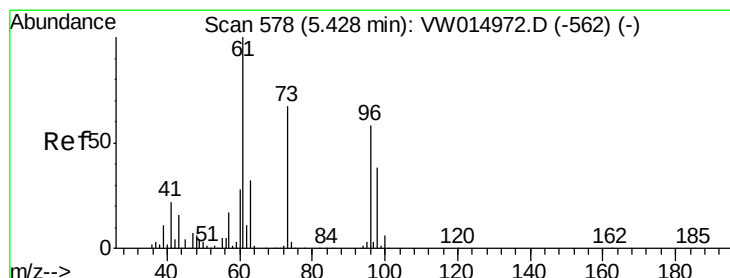
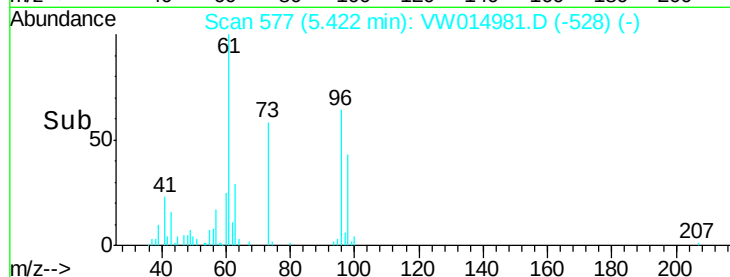
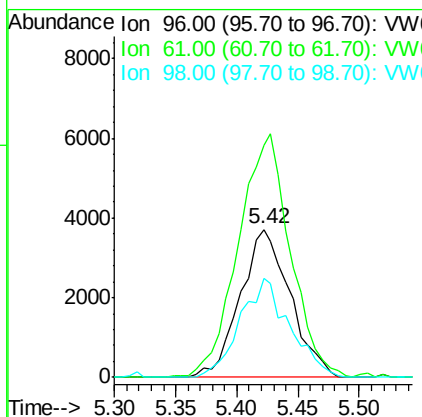
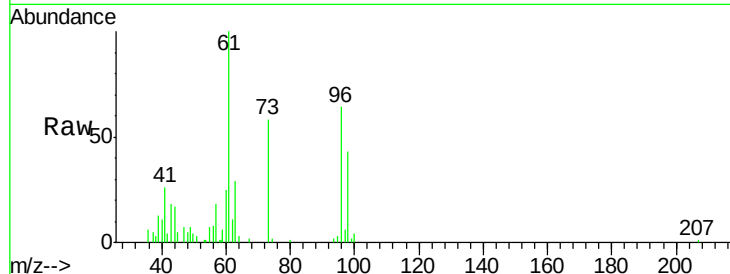
ClientSampleId :

MDL03

Tot Ion:	96	Resp:	10524
Ion	Ratio	Lower	Upper
96	100		
61	156.9	120.1	223.1
98	66.7	43.8	81.3

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#18

Methyl tert-butyl Ether

Concen: 0.943 ug/L m

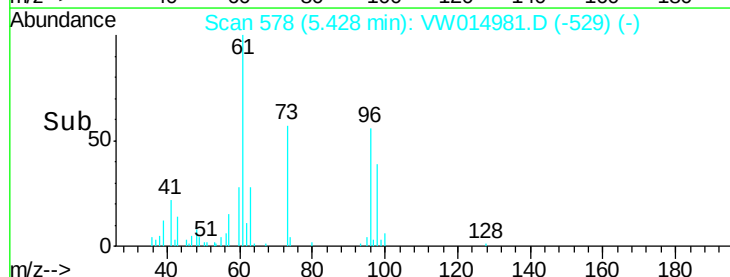
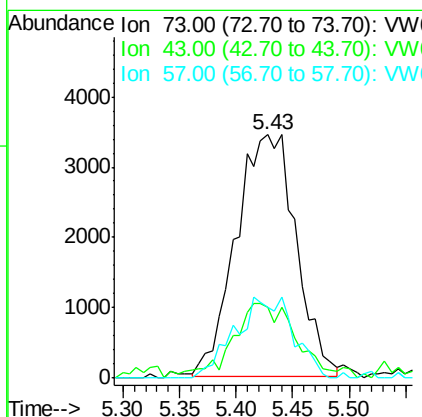
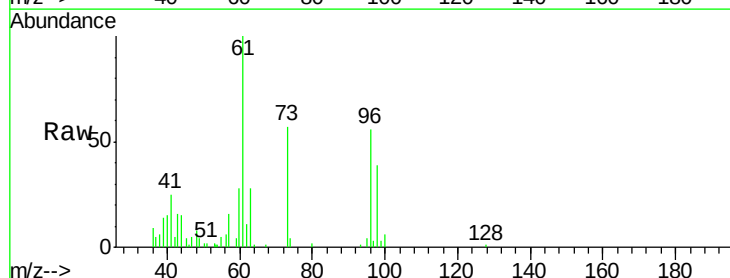
RT: 5.43 min Scan# 578

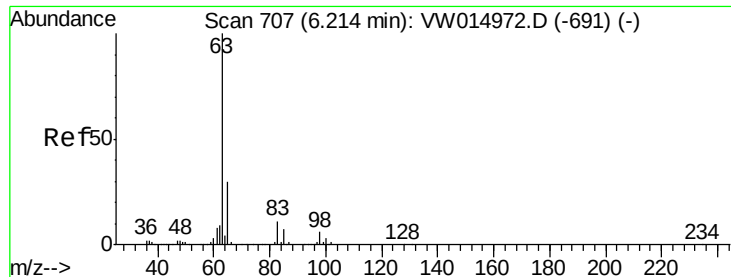
Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Tgt Ion:	73	Resp:	12735
Ion	Ratio	Lower	Upper
73	100		
43	15.8	19.6	29.4#
57	10.1	21.0	31.4#





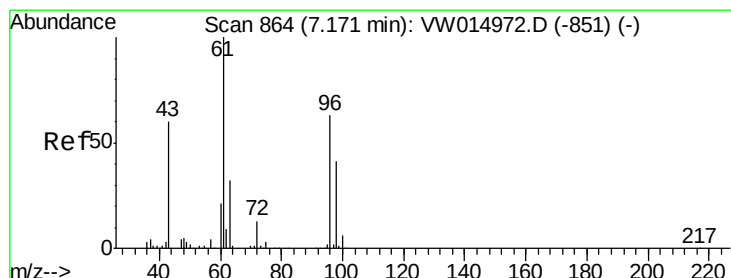
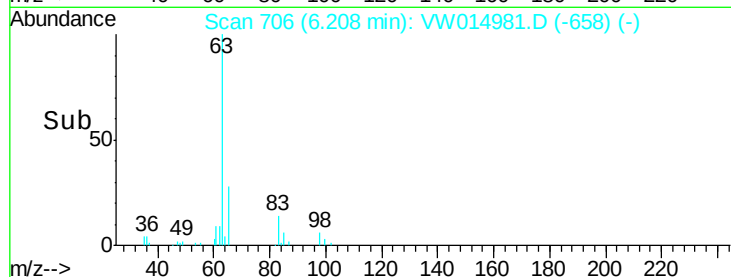
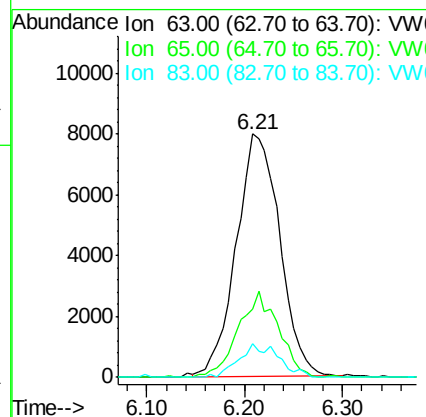
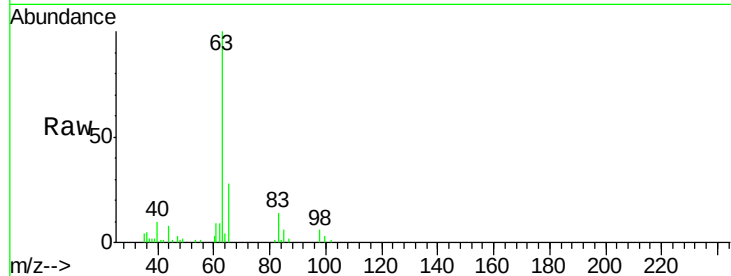
#19
 1,1-Dichloroethane
 Concen: 1.010 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.8	20.9	38.7
83	13.8	7.8	14.6

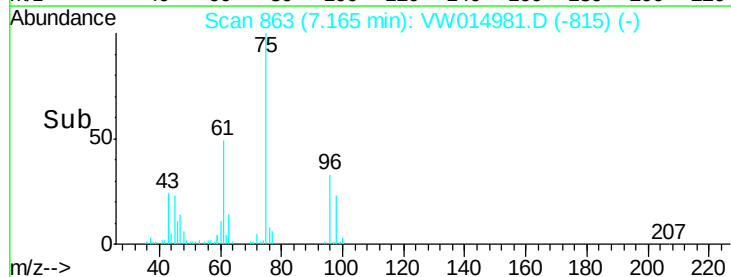
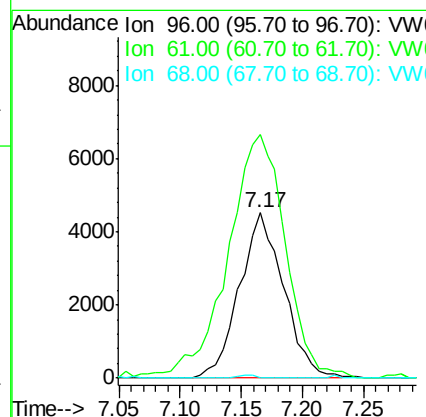
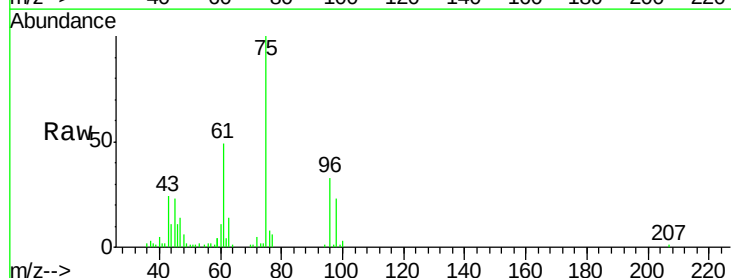
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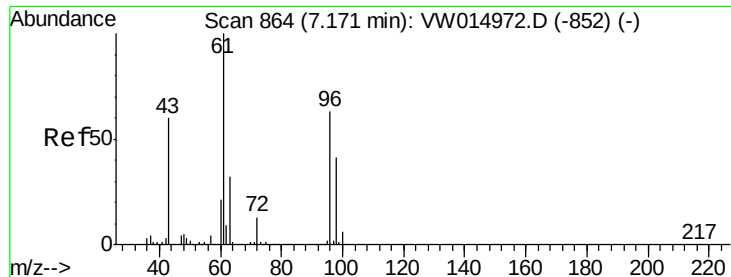
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 1.005 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.5	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.112 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 15950

Ion Ratio Lower Upper

43 100

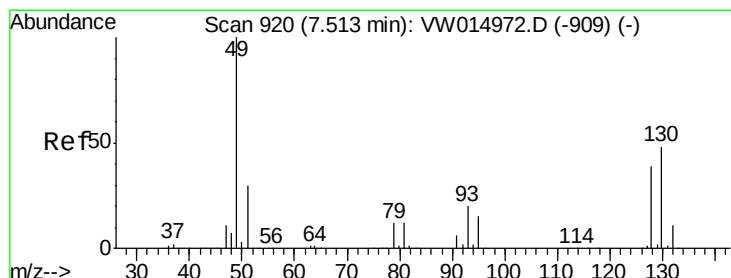
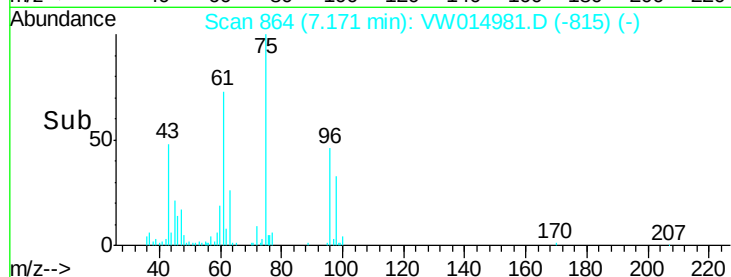
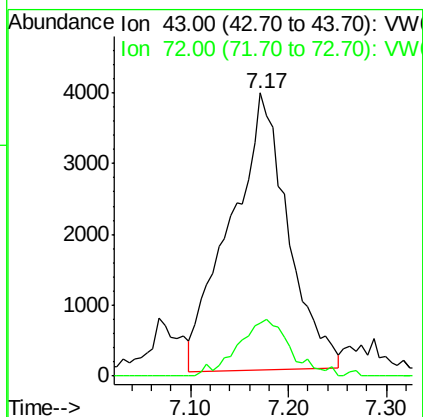
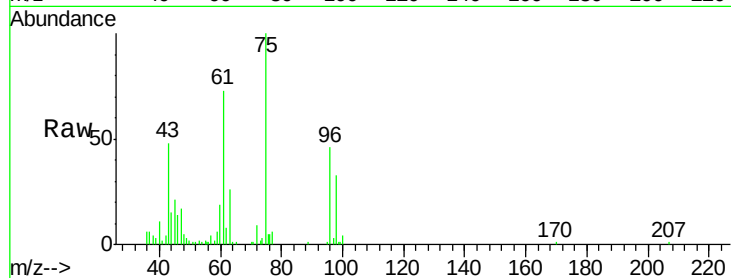
72 16.6 11.1 33.1

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#23

Bromochloromethane

Concen: 1.073 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Tgt Ion: 128 Resp: 4911

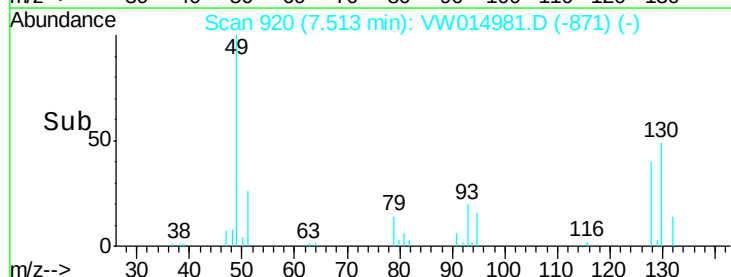
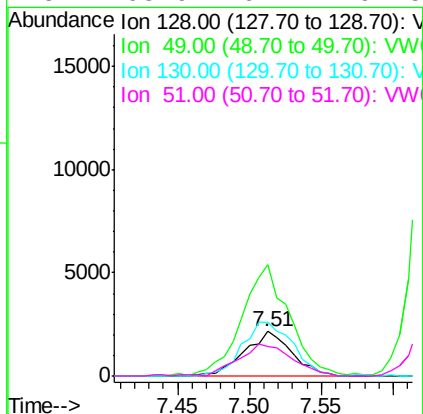
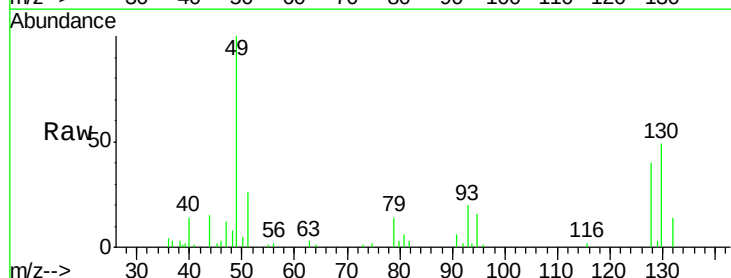
Ion Ratio Lower Upper

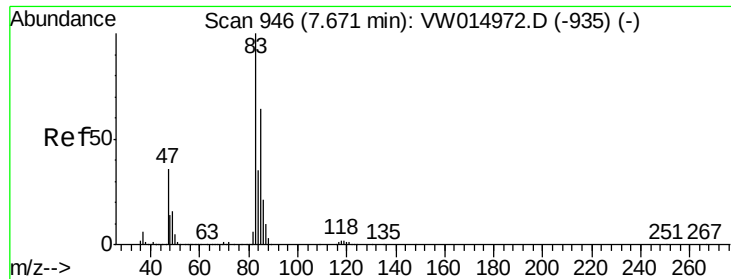
128 100

49 249.6 179.0 332.4

130 121.2 85.5 158.7

51 65.9 61.7 92.5





#25

Chloroform

Concen: 1.137 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

MDL03

Tot Ion: 83 Resp: 24754

Ion Ratio Lower Upper

83 100

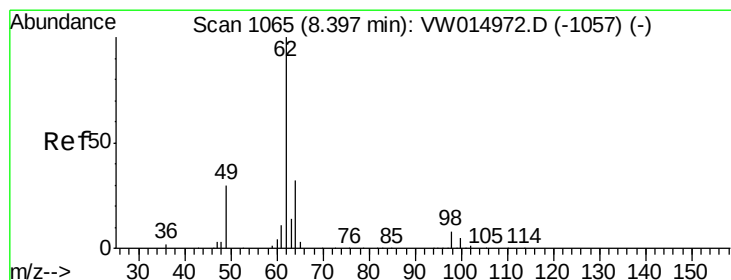
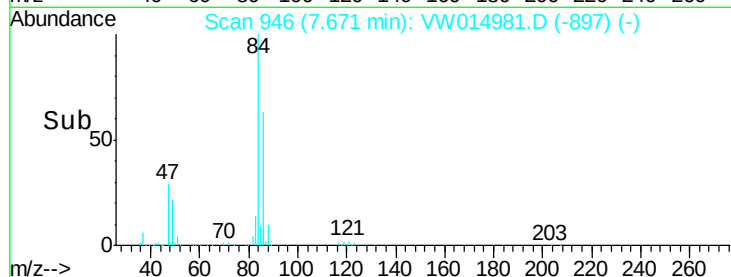
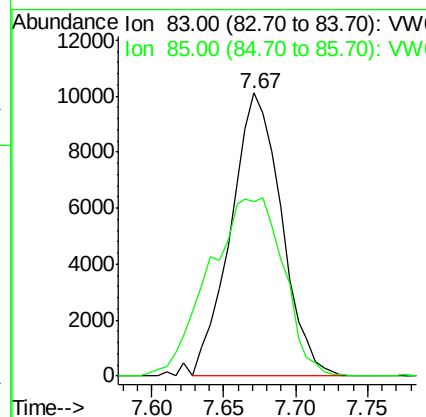
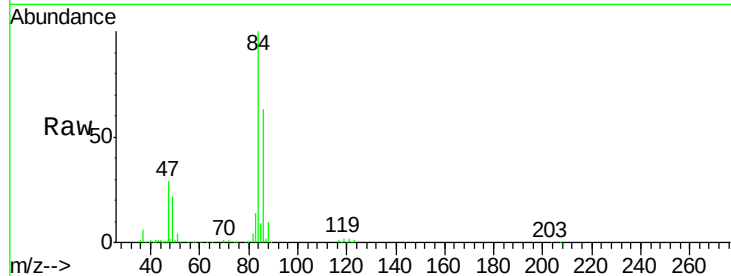
85 61.7 45.1 83.7

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#27

1,2-Dichloroethane

Concen: 1.111 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014981.D

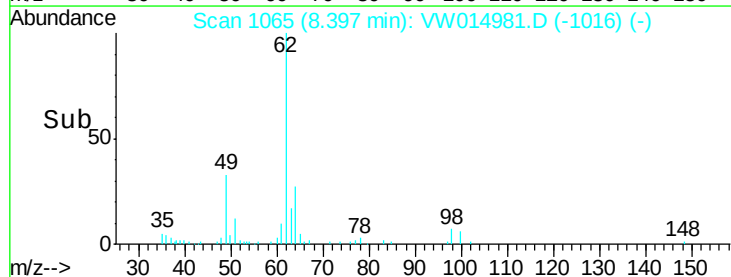
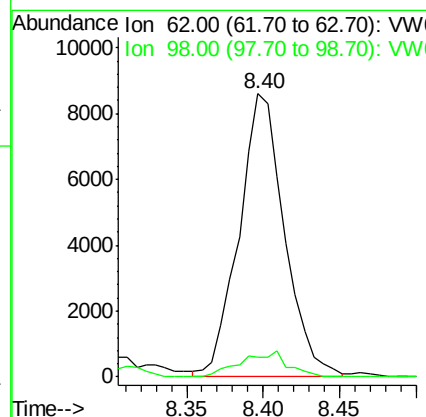
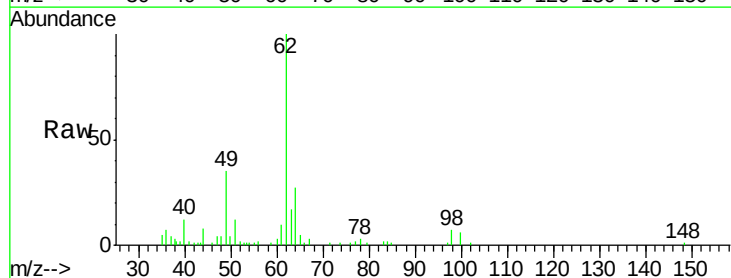
Acq: 13 Feb 2020 15:37

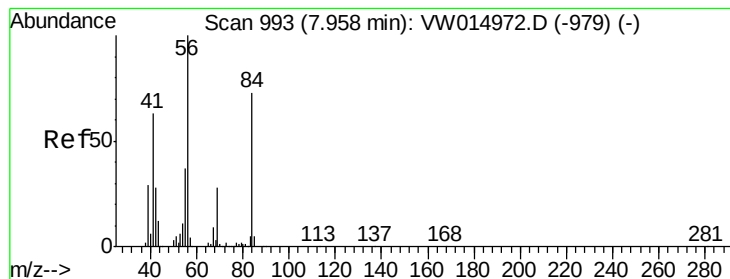
Tgt Ion: 62 Resp: 17783

Ion Ratio Lower Upper

62 100

98 7.0 6.2 9.4





#29

Cyclohexane

Concen: 0.813 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

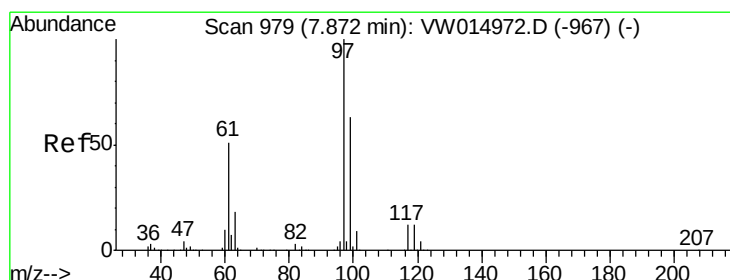
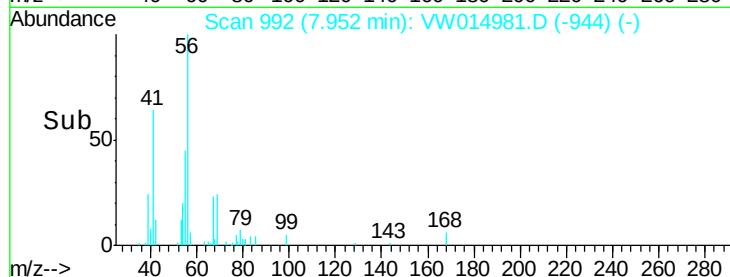
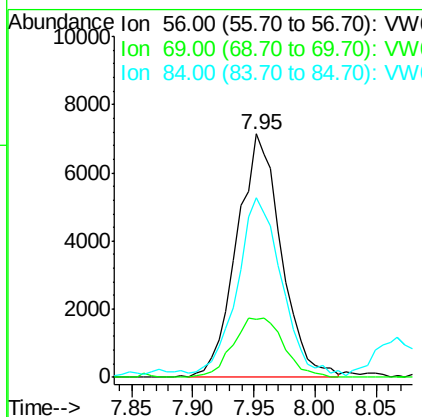
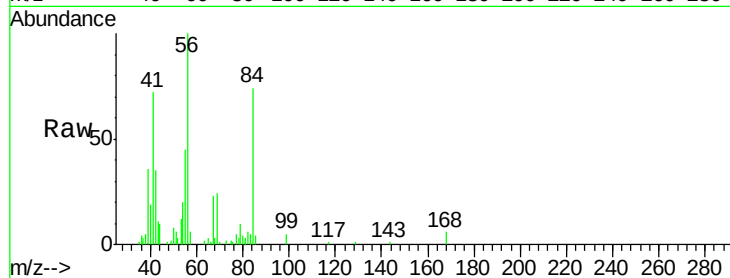
ClientSampleId :

MDL03

Tot Ion:	56	Resp:	17990
Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.0	33.0
84	71.3	57.8	86.6

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#30

1,1,1-Trichloroethane

Concen: 0.985 ug/L

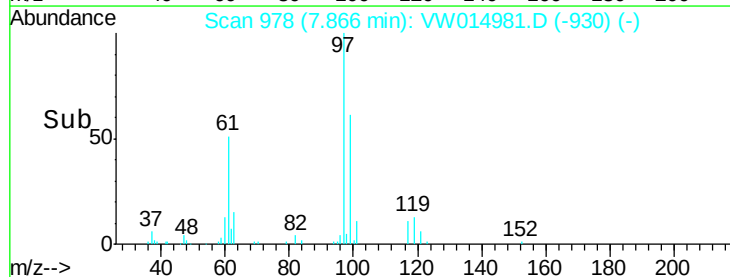
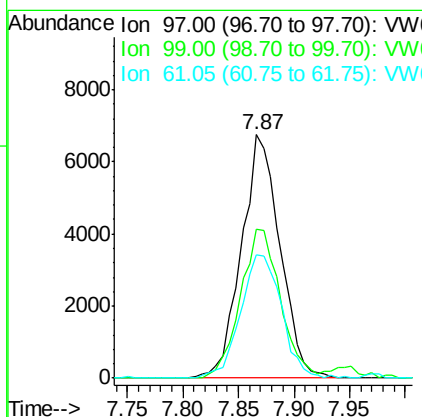
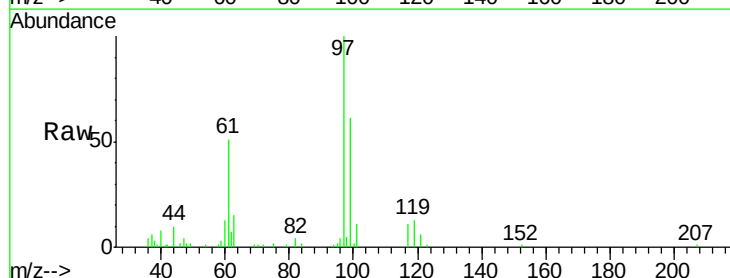
RT: 7.87 min Scan# 978

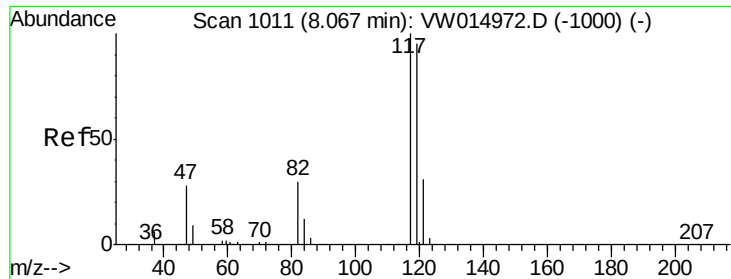
Delta R.T. -0.01 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Tgt Ion:	97	Resp:	16269
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	75.8
61	53.8	42.7	64.1





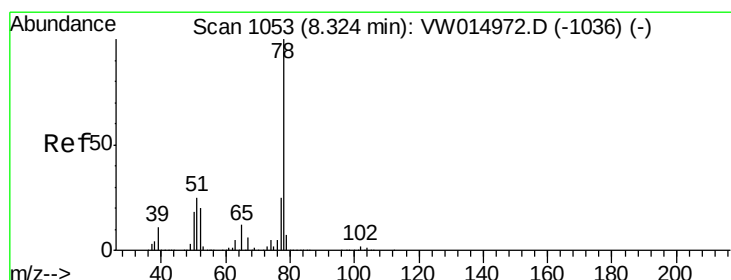
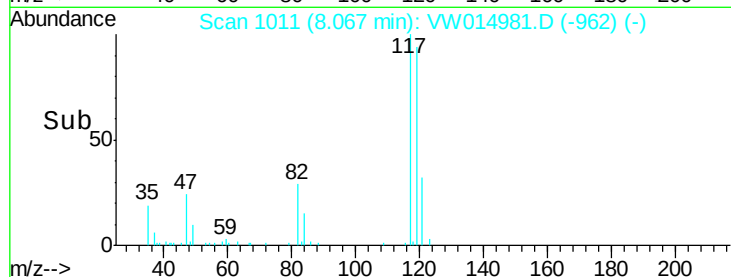
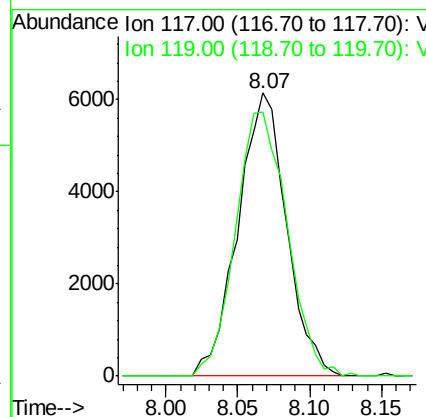
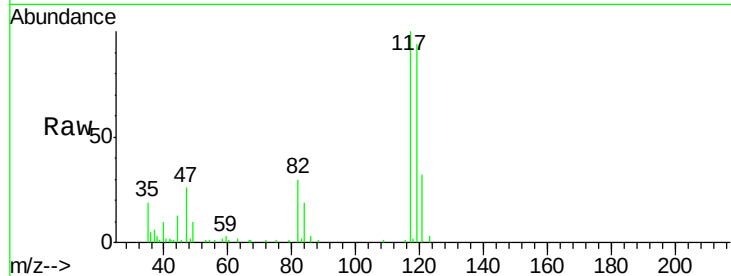
#31
Carbon tetrachloride
Concen: 0.964 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion:117 Resp: 14349
Ion Ratio Lower Upper
117 100
119 99.8 76.6 114.8

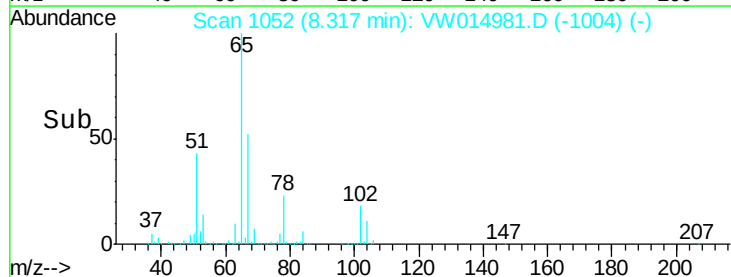
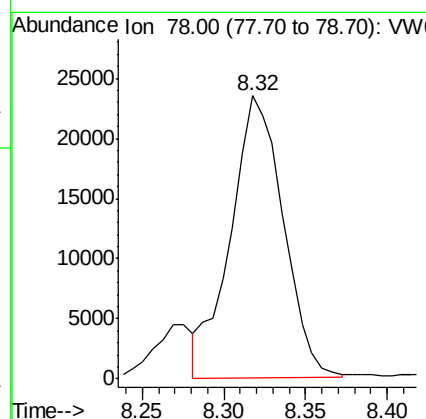
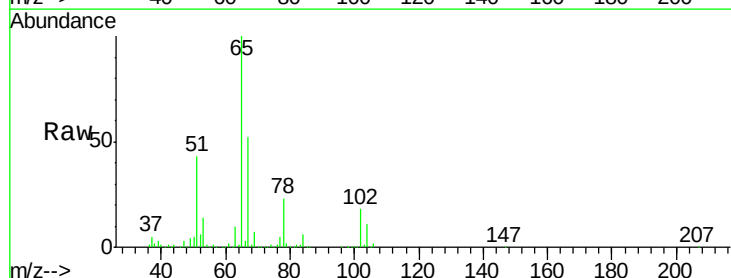
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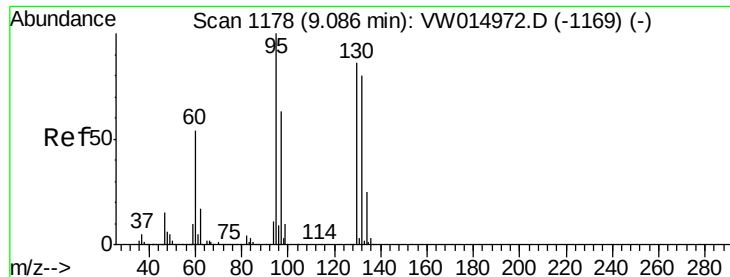
MMDadoda
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#33
Benzene
Concen: 1.063 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion: 78 Resp: 52973





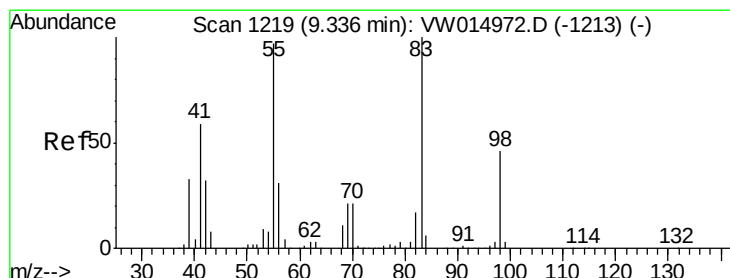
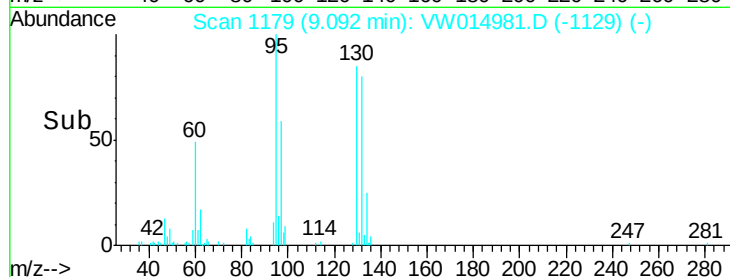
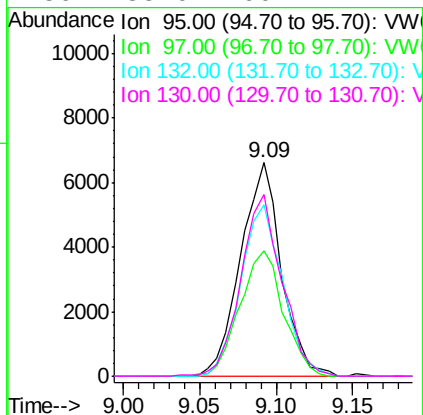
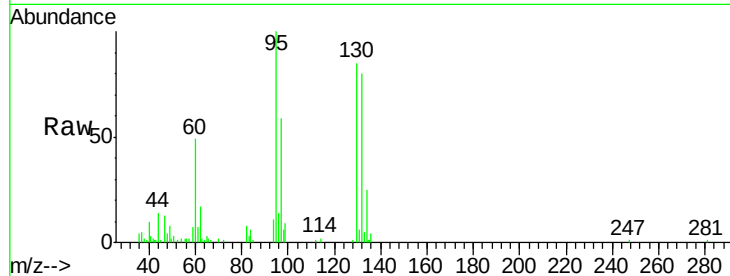
#34
 Trichloroethene
 Concen: 1.024 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		12225		
97	58.8	44.2	82.0		
132	80.2	56.1	104.3		
130	85.0	60.1	111.7		

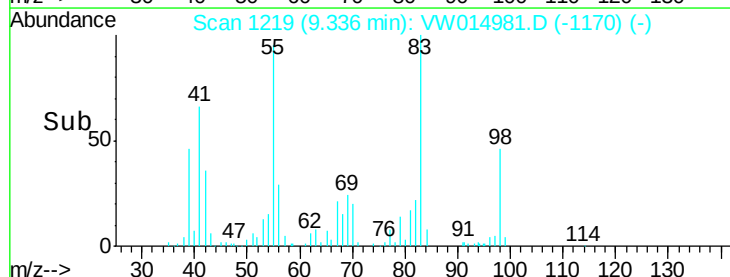
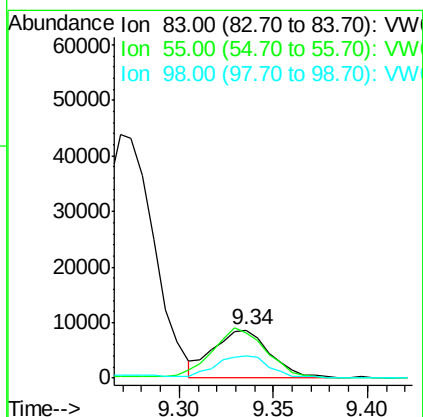
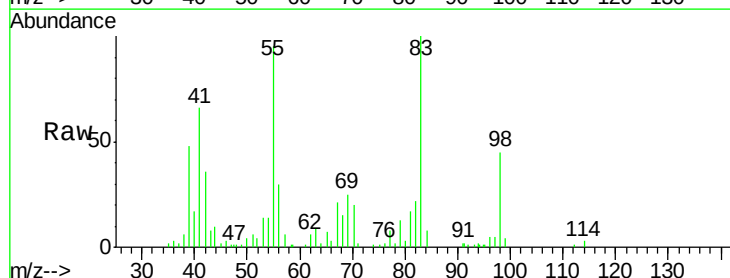
Manual Integrations
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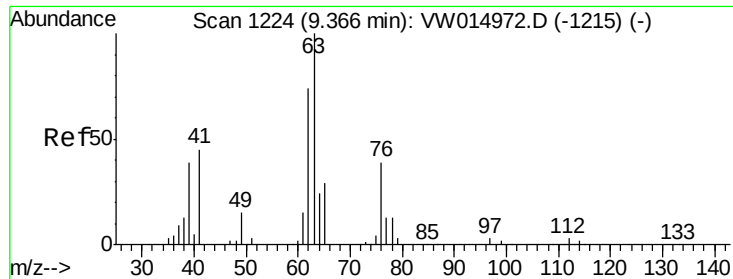
MMDadoda
 2/14/2020 4:28:57 PM



#35
 Methylcyclohexane
 Concen: 0.873 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		17981		
55	101.0	76.3	114.5		
98	40.3	36.4	54.6		





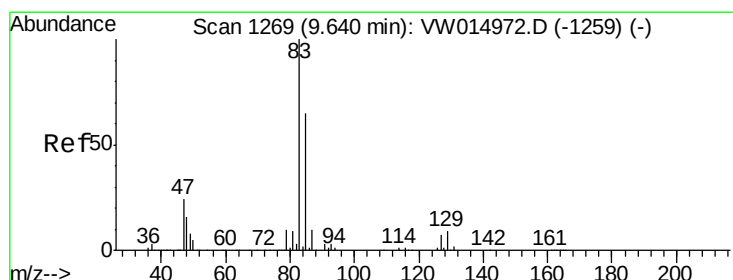
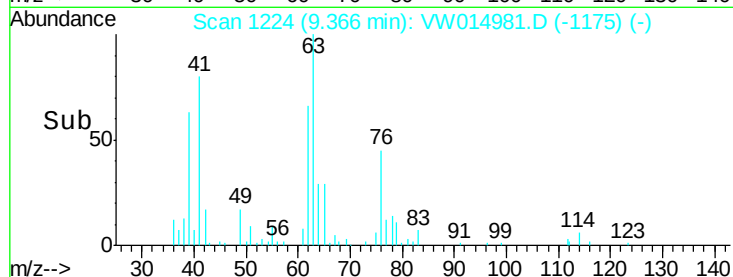
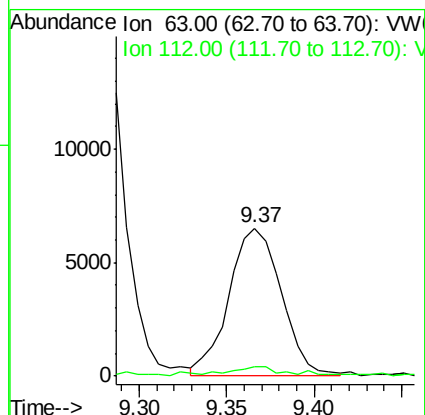
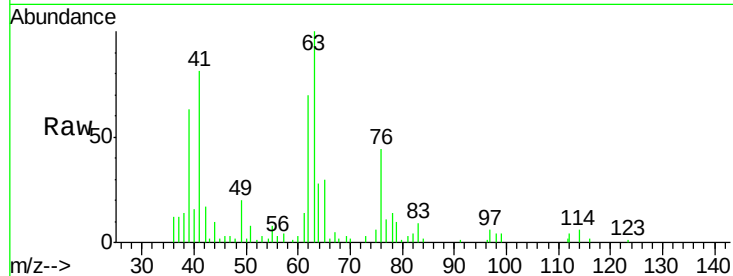
#37
 1,2-Dichloropropane
 Concen: 0.981 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 13660
 Ion Ratio Lower Upper
 63 100
 112 5.7 2.6 4.0#

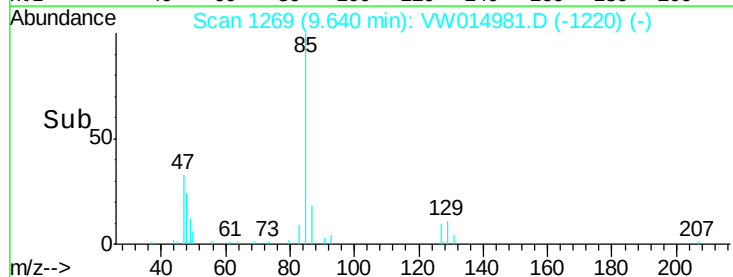
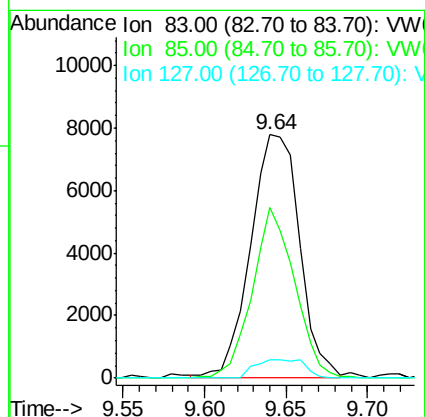
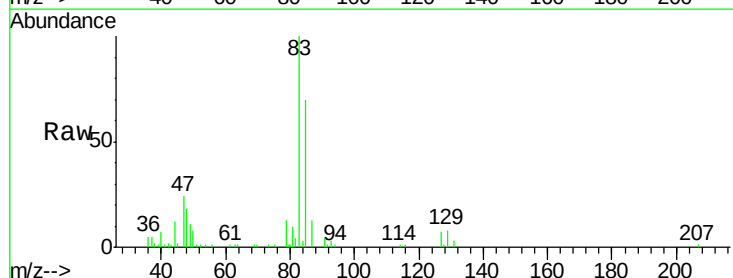
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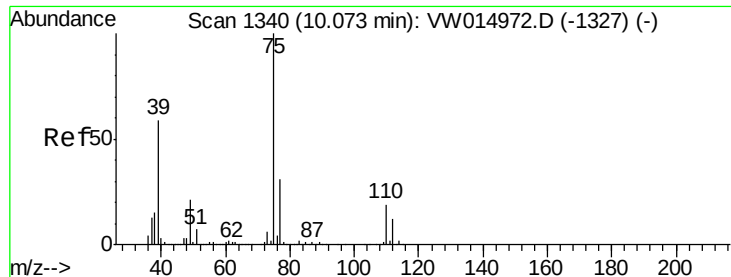
MMDadoda
 2/14/2020 4:28:57 PM



#38
 Bromodichloromethane
 Concen: 1.033 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion: 83 Resp: 16190
 Ion Ratio Lower Upper
 83 100
 85 70.0 45.2 84.0
 127 7.3 5.5 8.3





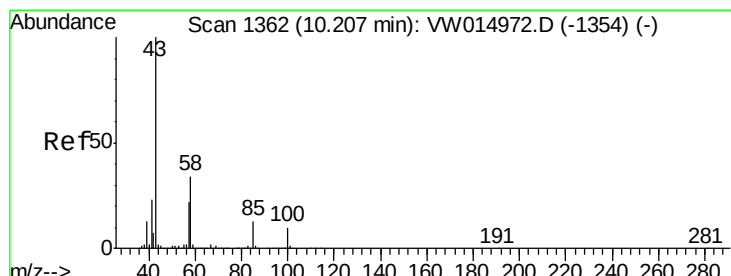
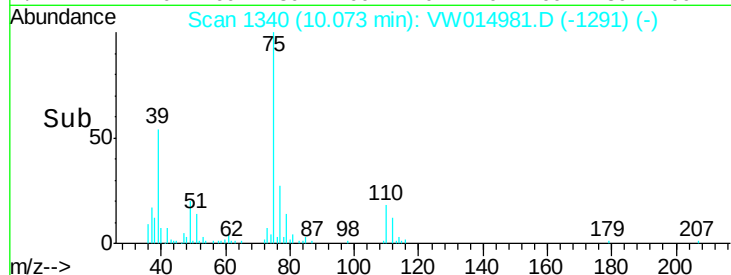
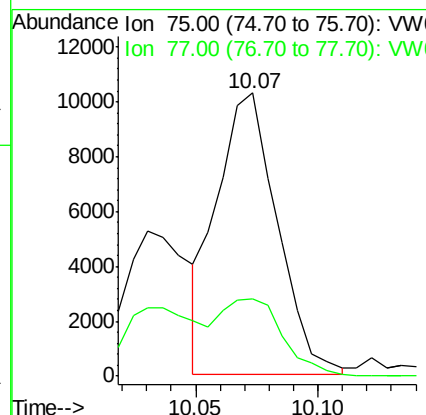
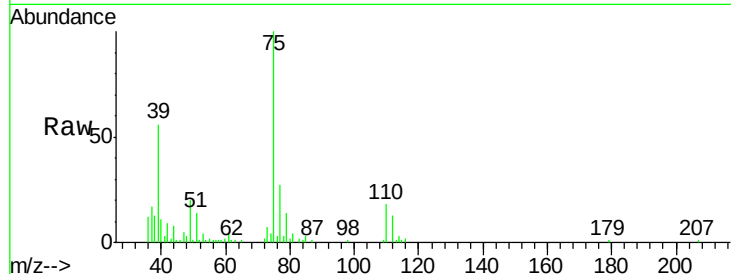
#39
 cis-1,3-Dichloropropene
 Concen: 0.943 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

Tot Ion: 75 Resp: 17570
 Ion Ratio Lower Upper
 75 100
 77 27.3 21.6 40.2

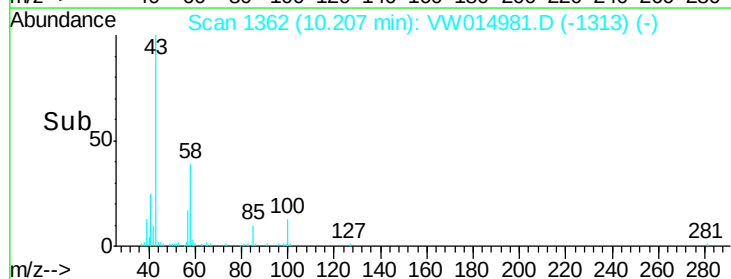
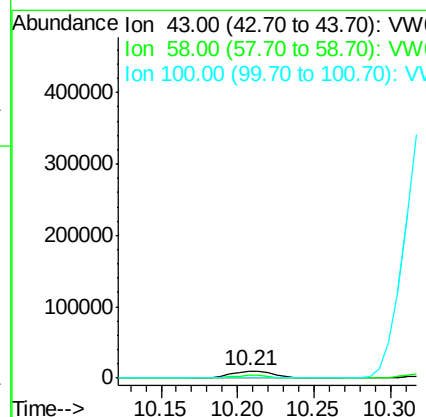
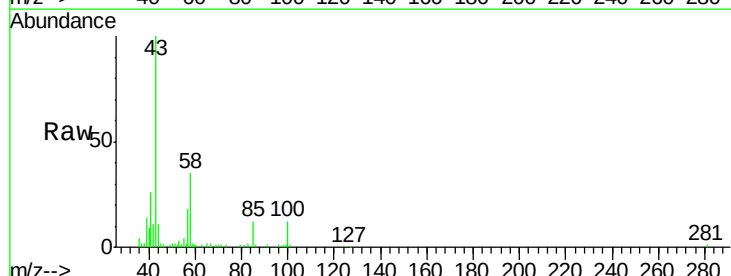
Manual Integrations
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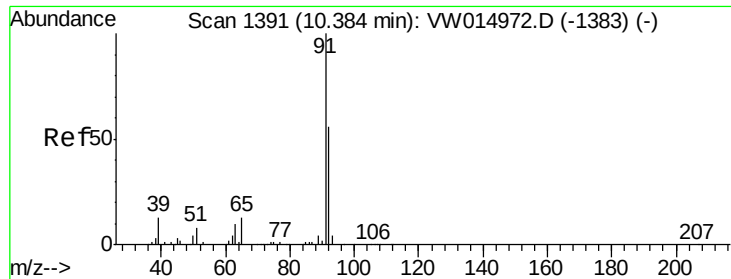
MMDadoda
 2/14/2020 4:28:57 PM



#40
 4-Methyl-2-pentanone
 Concen: 1.989 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion: 43 Resp: 19712
 Ion Ratio Lower Upper
 43 100
 58 34.3 27.7 41.5
 100 11.1 8.6 13.0





#42

Toluene

Concen: 1.057 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 50899

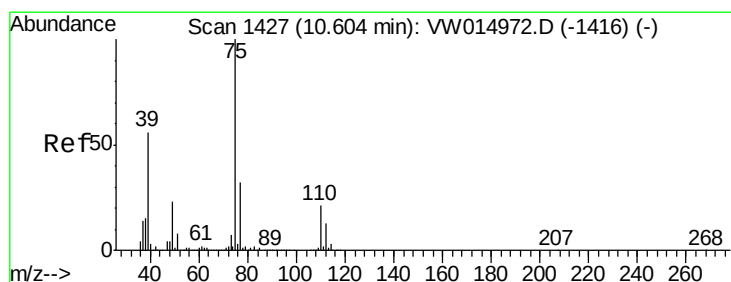
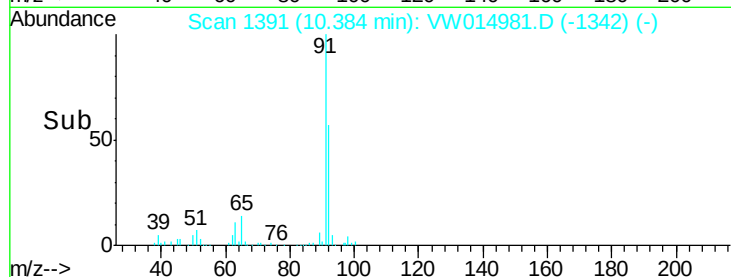
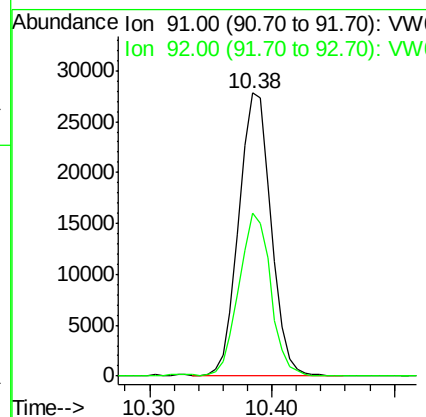
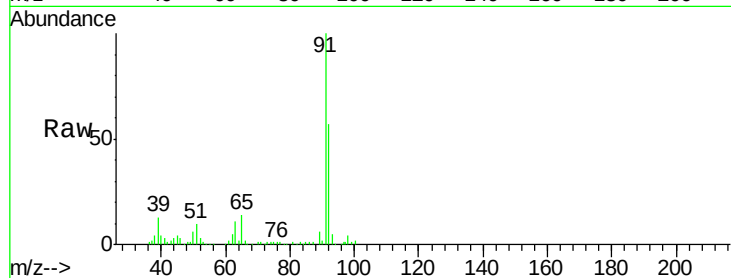
Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.3

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#44

trans-1,3-Dichloropropene

Concen: 1.036 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014981.D

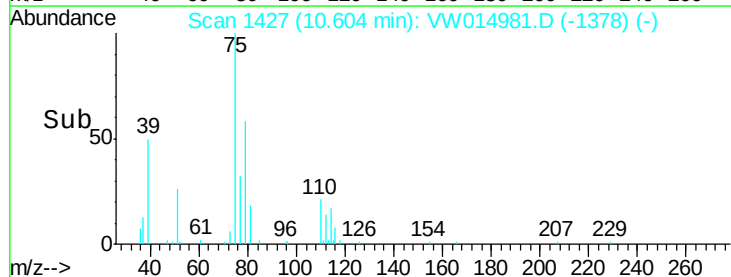
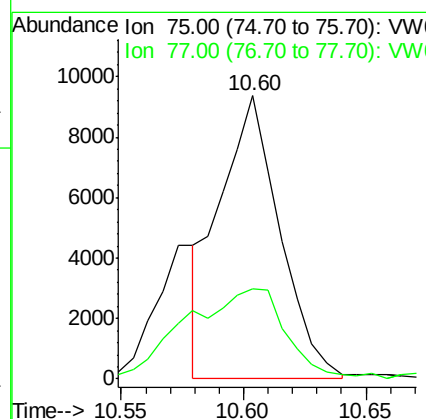
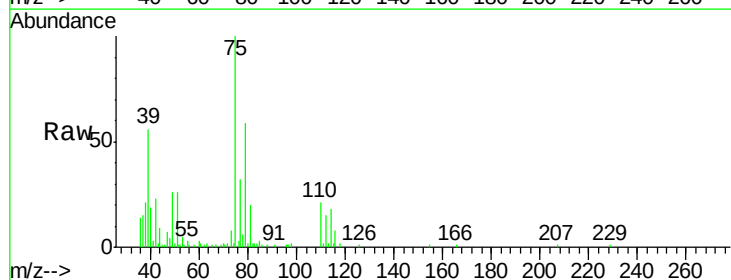
Acq: 13 Feb 2020 15:37

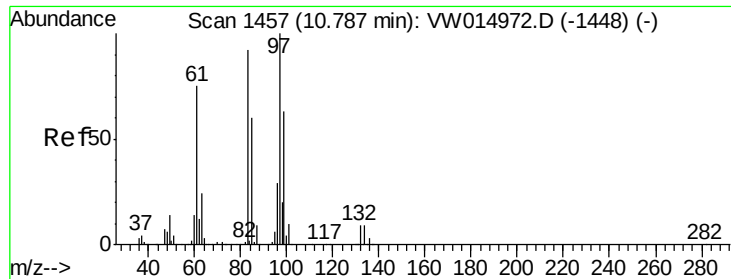
Tgt Ion: 75 Resp: 16017

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 1.044 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

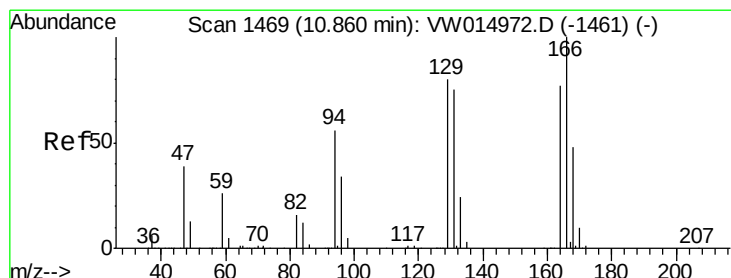
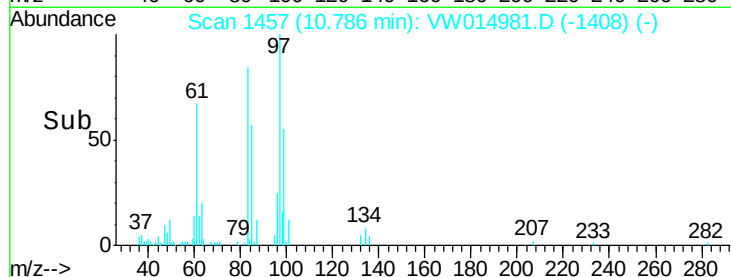
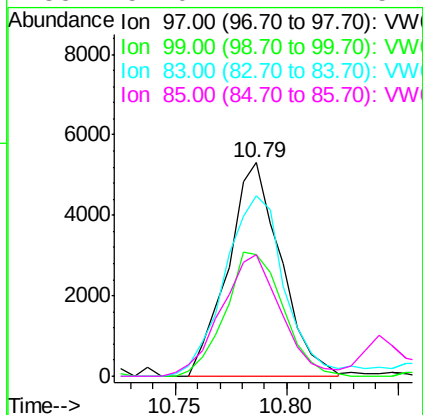
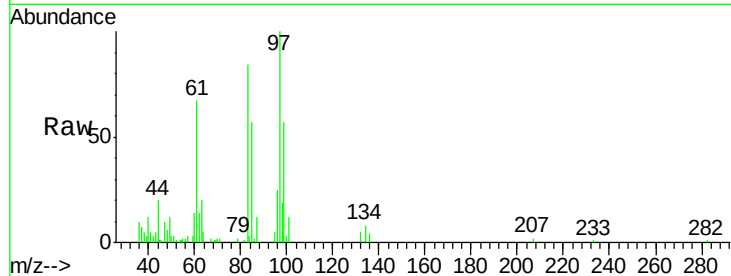
ClientSampleId :

MDL03

Tot Ion:	97	Resp:	8818
Ion	Ratio	Lower	Upper
97	100		
99	57.1	44.2	82.0
83	84.3	64.1	119.1
85	57.0	42.1	78.1

Manual Integrations
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#46

Tetrachloroethene

Concen: 0.970 ug/L

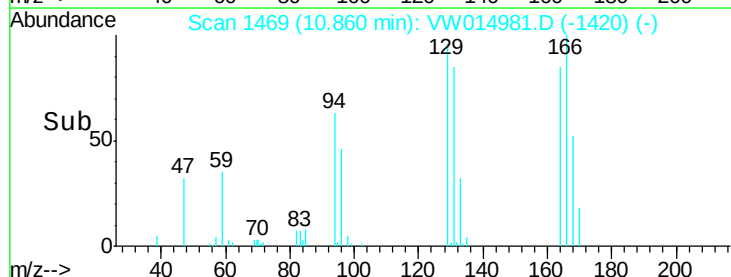
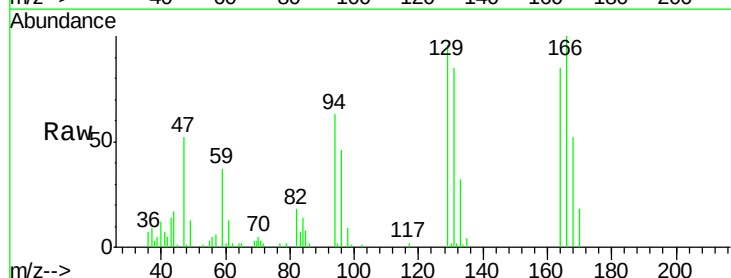
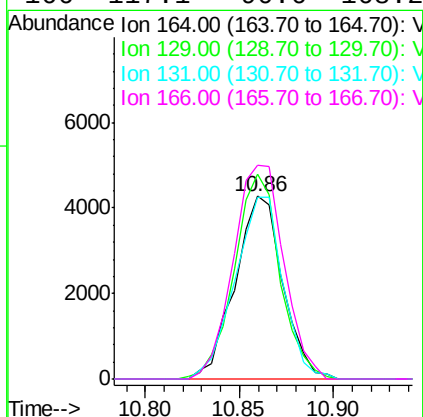
RT: 10.86 min Scan# 1469

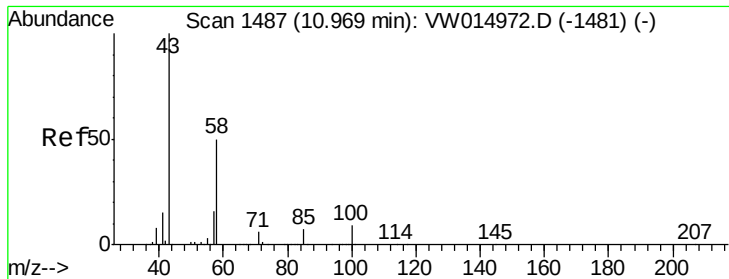
Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Tgt Ion:	164	Resp:	7520
Ion	Ratio	Lower	Upper
164	100		
129	111.9	72.2	134.2
131	99.3	68.1	126.5
166	117.1	90.6	168.2





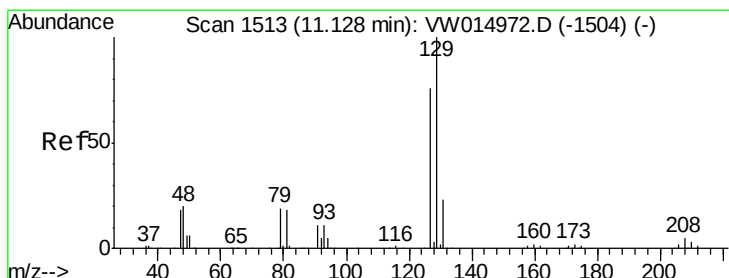
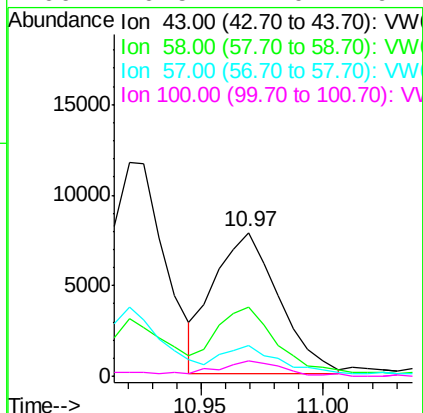
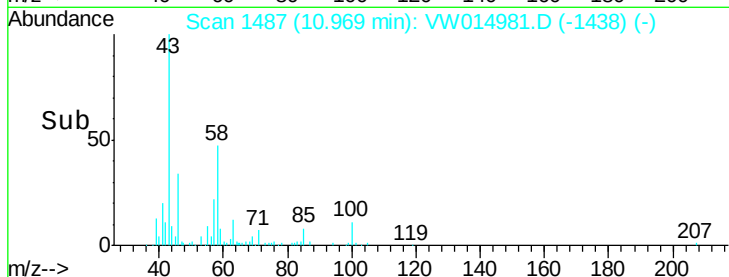
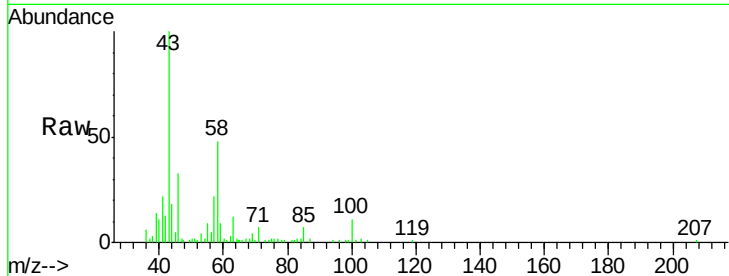
#48
2-Hexanone
Concen: 1.995 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	39.2	58.8
57	19.5	13.1	19.7
100	10.5	7.0	10.4

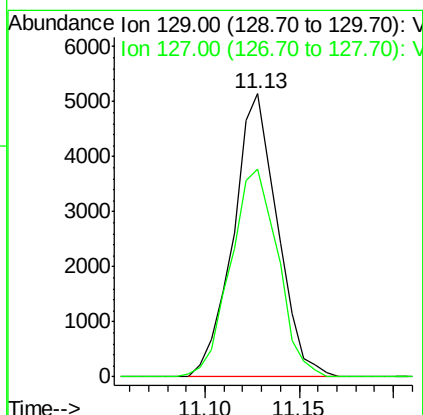
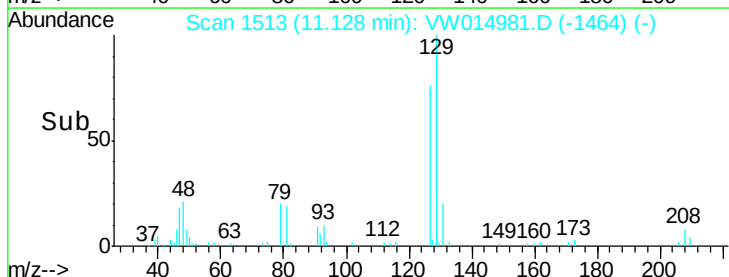
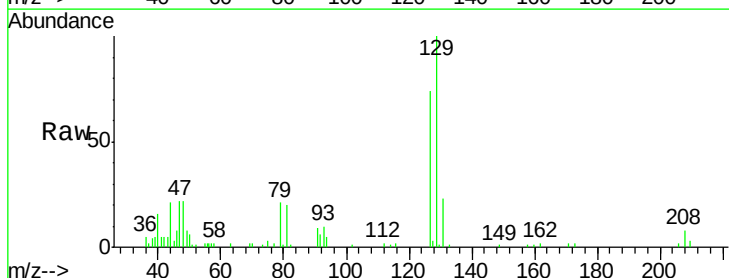
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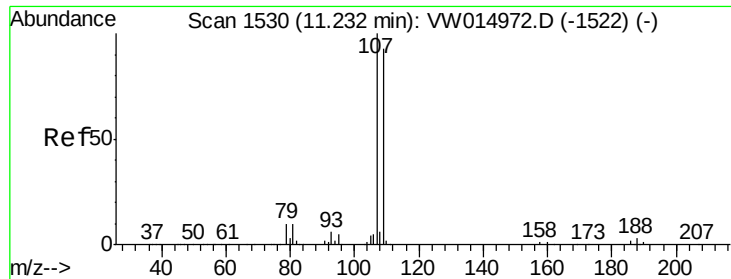
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#49
Dibromochloromethane
Concen: 0.950 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.0	98.4





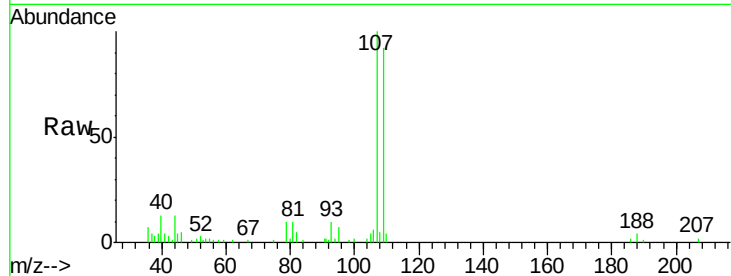
#50
1,2-Dibromoethane
Concen: 1.014 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL03

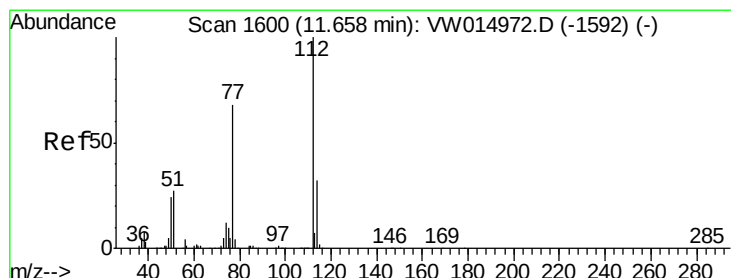
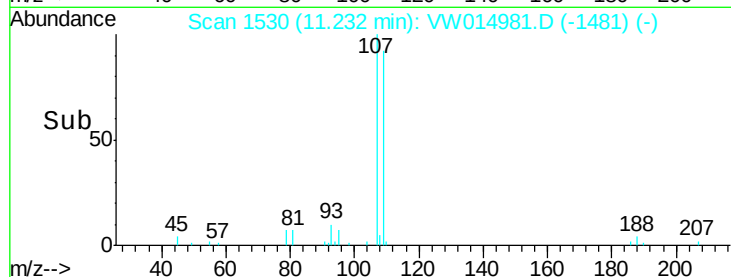
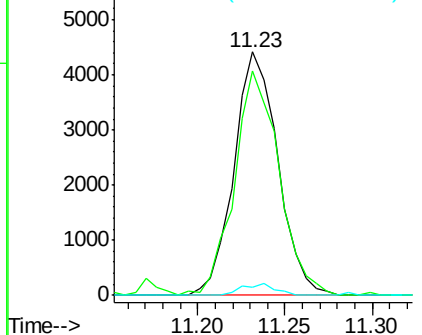
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	65.1	120.9
188	3.6	2.4	3.6

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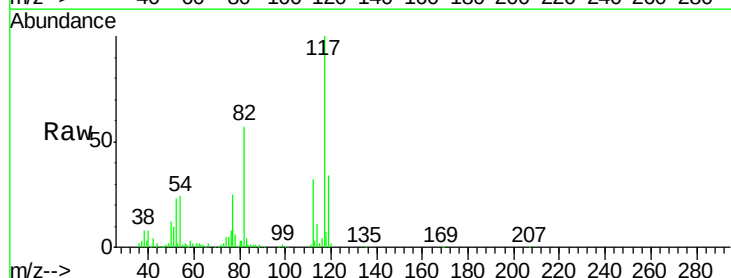


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

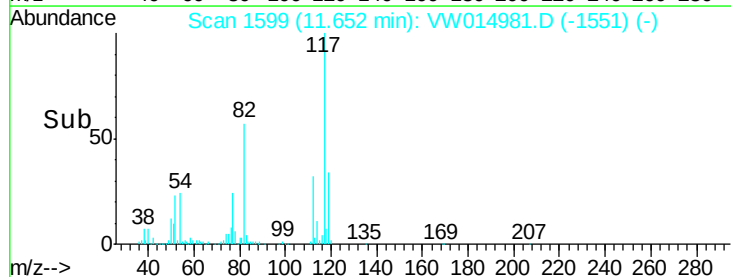
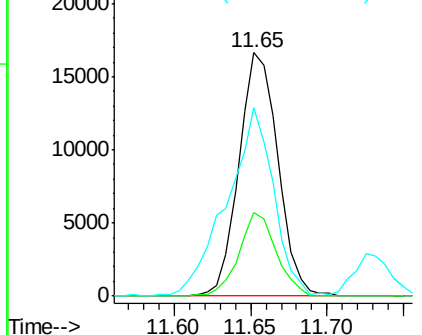


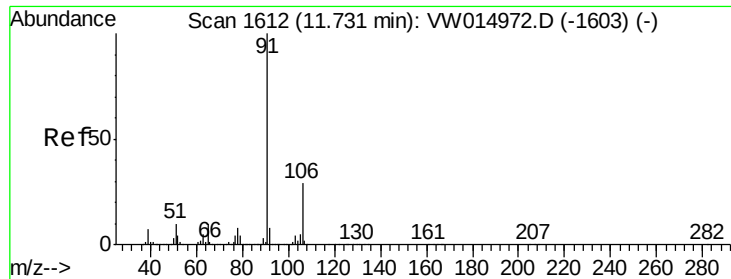
#51
Chlorobenzene
Concen: 1.037 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.3	22.6	42.0
77	77.4	54.6	82.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





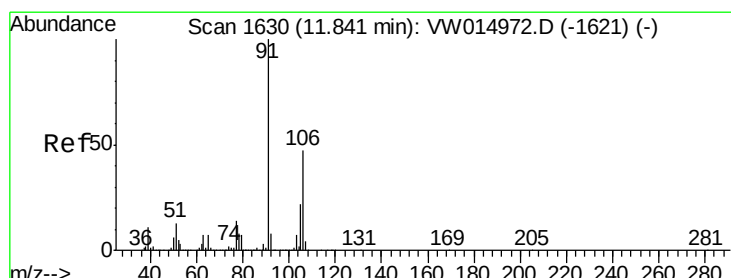
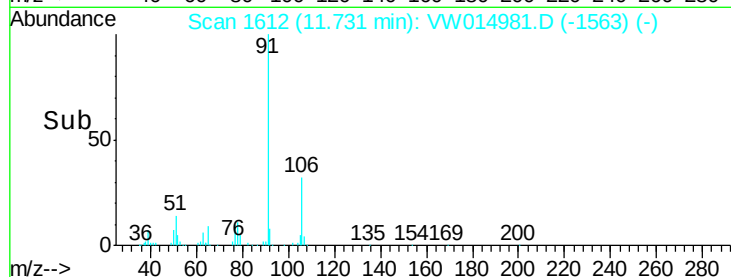
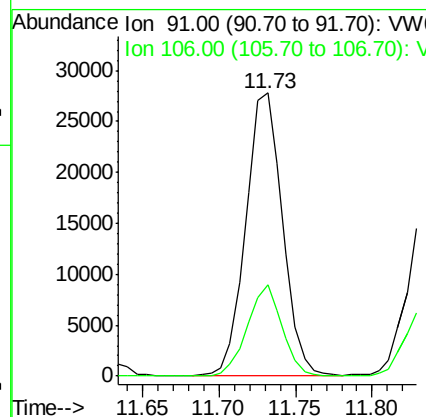
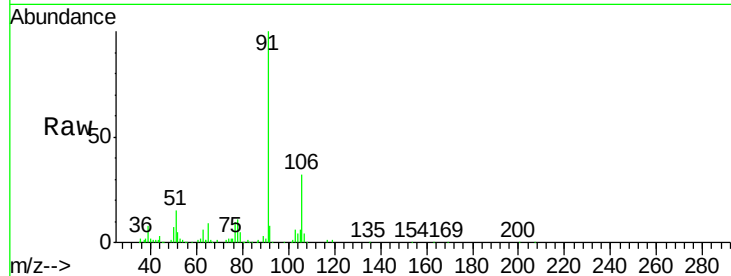
#52
Ethylbenzene
Concen: 0.885 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion: 91 Resp: 46446
Ion Ratio Lower Upper
91 100
106 32.2 20.2 37.4

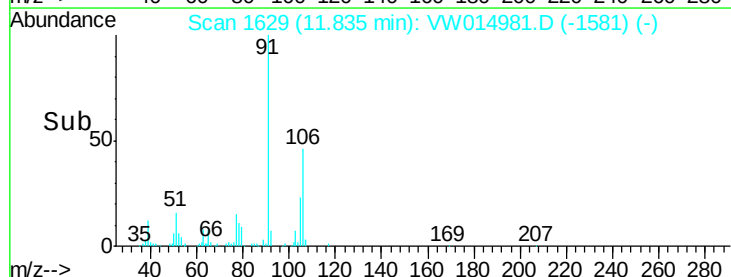
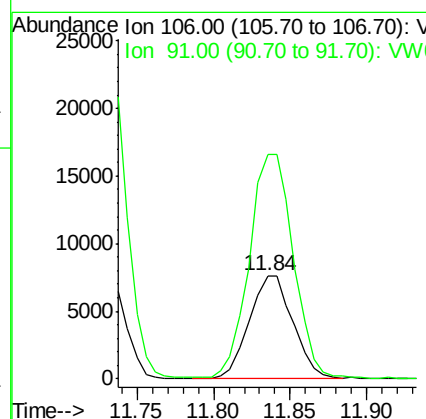
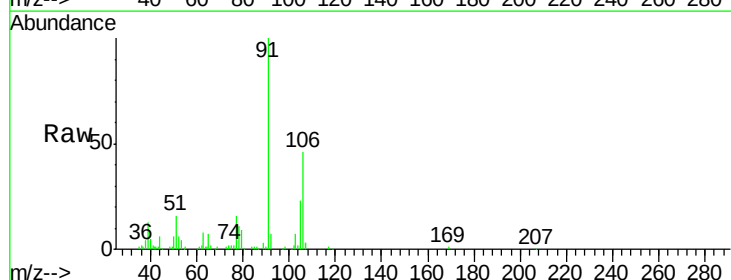
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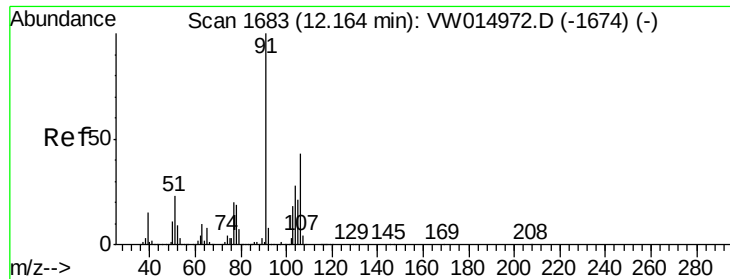
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#53
m,p-Xylene
Concen: 0.822 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion: 106 Resp: 15141
Ion Ratio Lower Upper
106 100
91 217.5 149.2 277.2





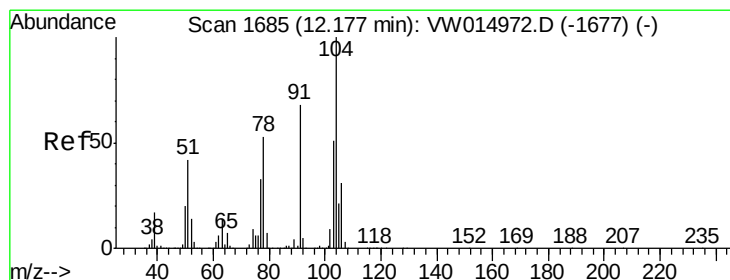
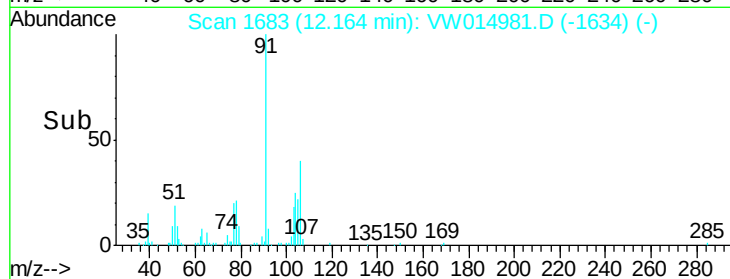
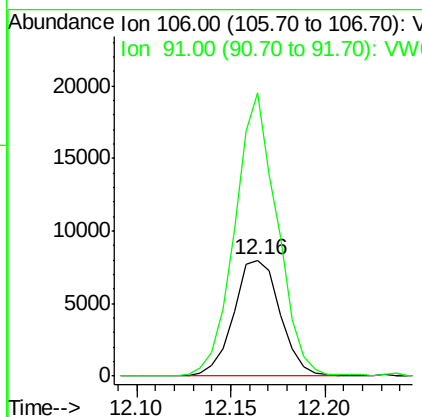
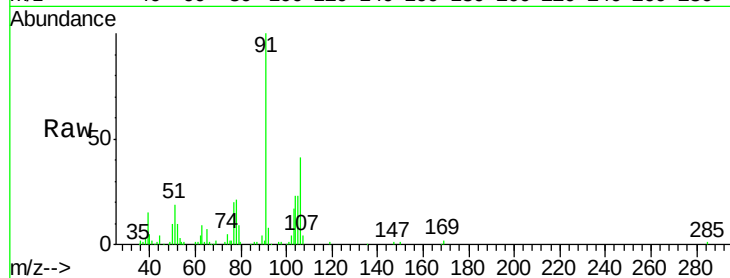
#54
o-Xylene
Concen: 0.788 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion:106 Resp: 13621
Ion Ratio Lower Upper
106 100
91 244.7 163.7 304.1

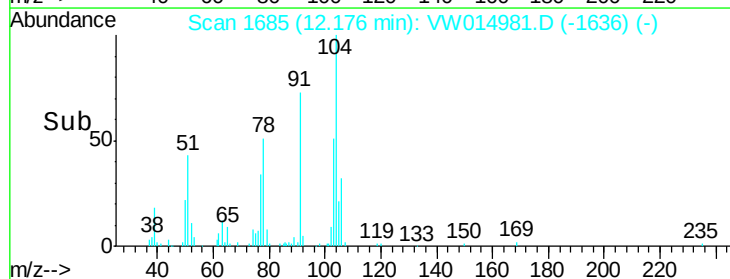
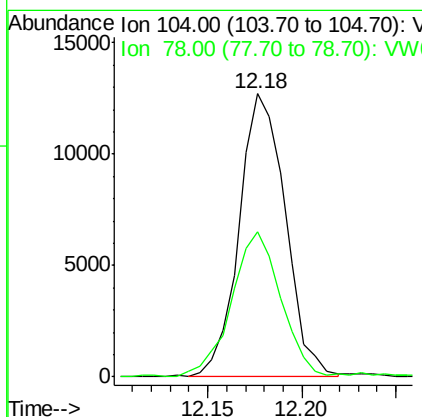
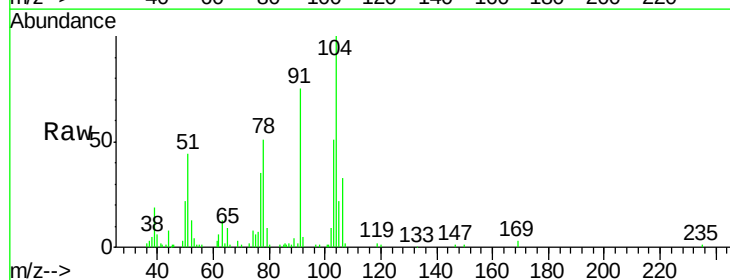
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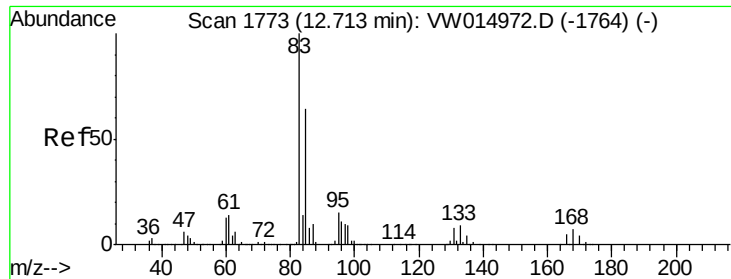
MMDadoda
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#55
Styrene
Concen: 0.725 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion:104 Resp: 21599
Ion Ratio Lower Upper
104 100
78 51.3 36.8 68.4





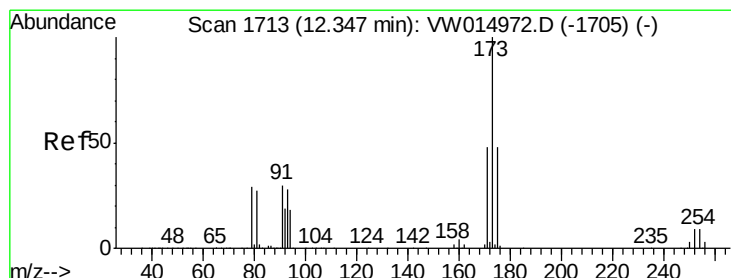
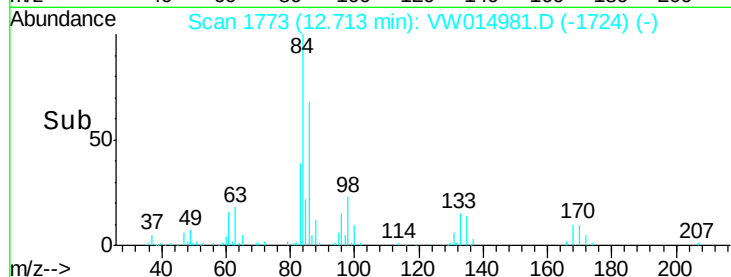
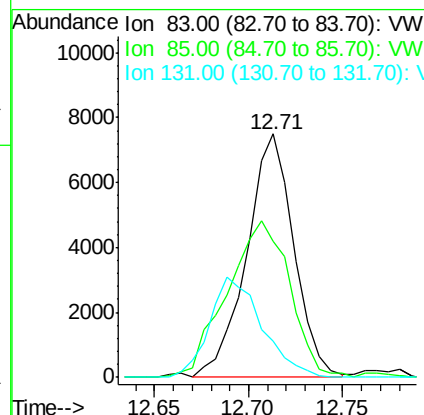
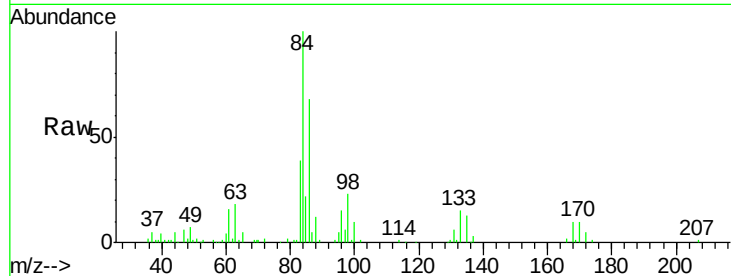
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.151 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
83	100		
85	56.1	44.9	83.5
131	14.7	6.2	9.2#

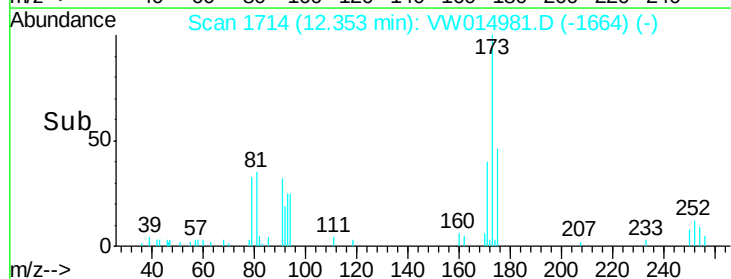
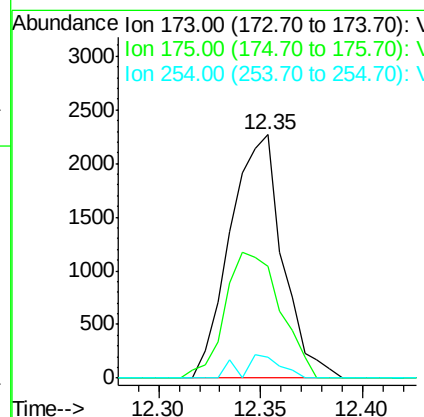
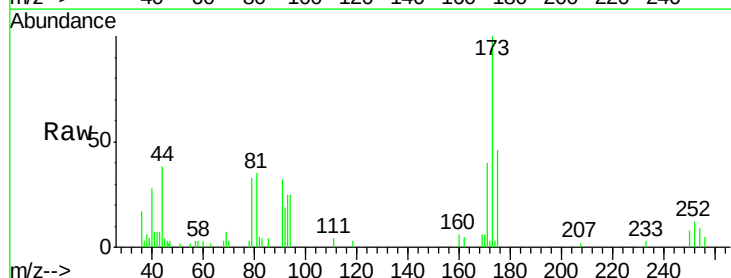
Manual Integrations
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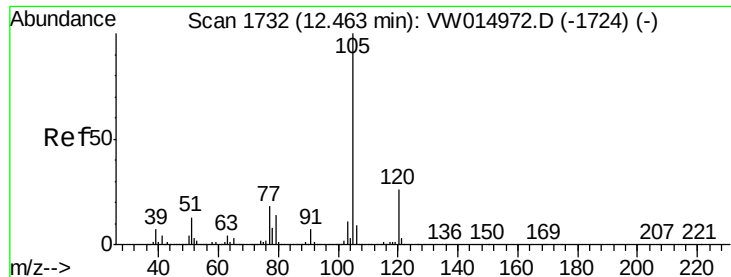
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#59
 Bromoform
 Concen: 0.993 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.4#
254	5.4	7.1	10.7#





#60

Isopropylbenzene

Concen: 0.811 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Instrument :

MSVOA_W

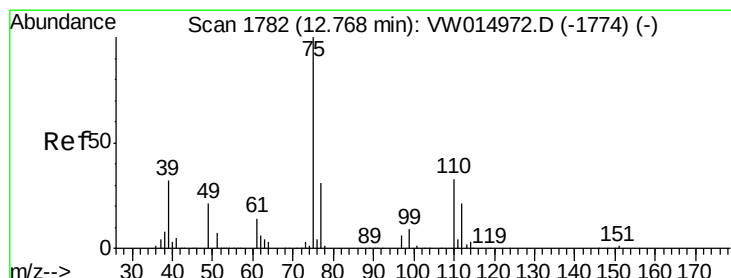
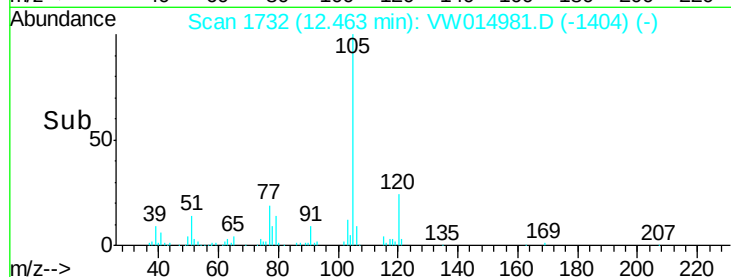
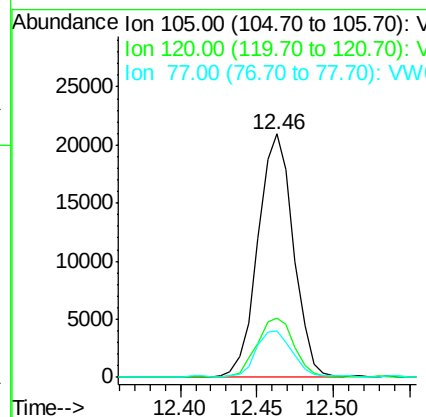
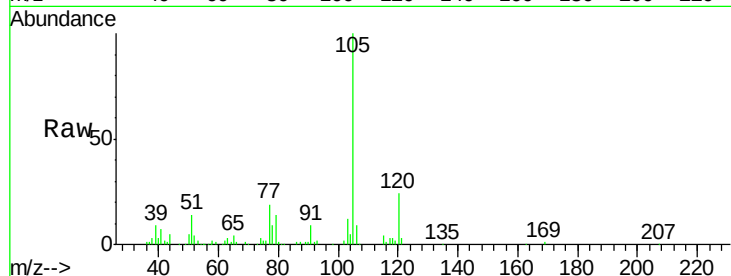
ClientSampled :

MDL03

Tot Ion:	105	Resp:	33874
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.1	30.1
77	19.6	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 1.132 ug/L

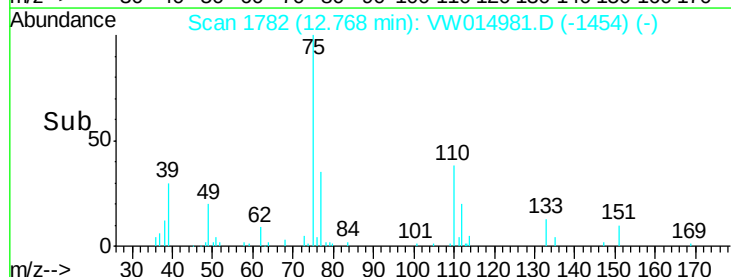
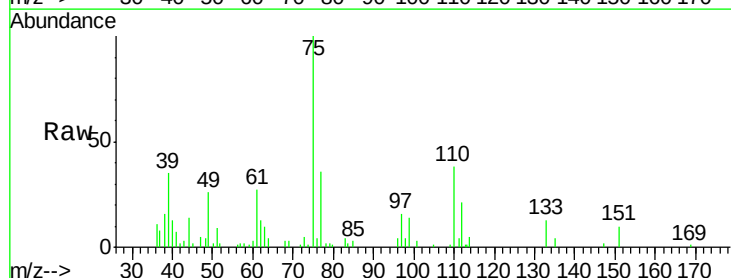
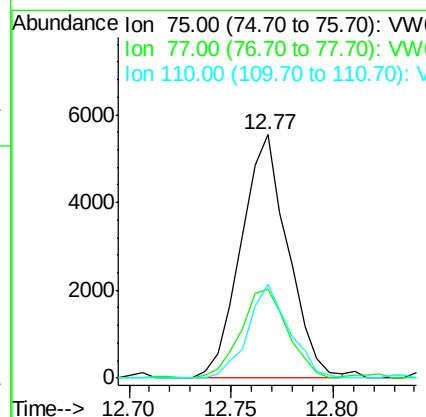
RT: 12.77 min Scan# 1782

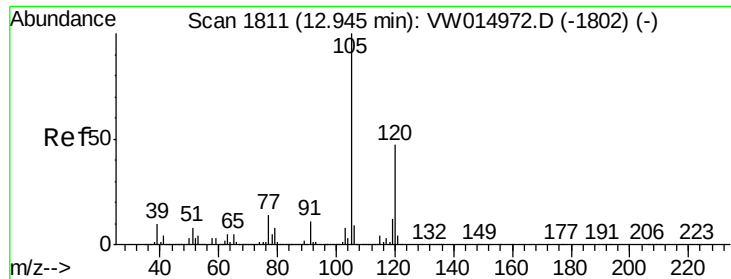
Delta R.T. -0.00 min

Lab File: VW014981.D

Acq: 13 Feb 2020 15:37

Tgt Ion:	75	Resp:	8856
Ion Ratio	Lower	Upper	
75	100		
77	36.6	25.8	38.6
110	34.1	26.6	39.8





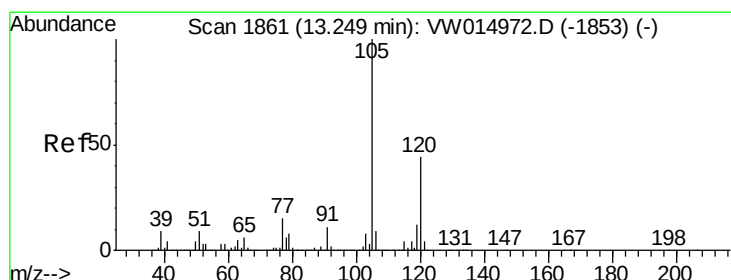
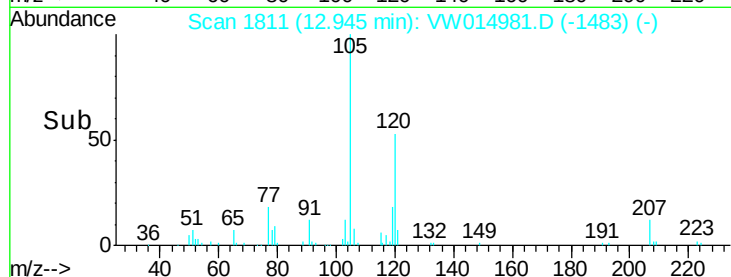
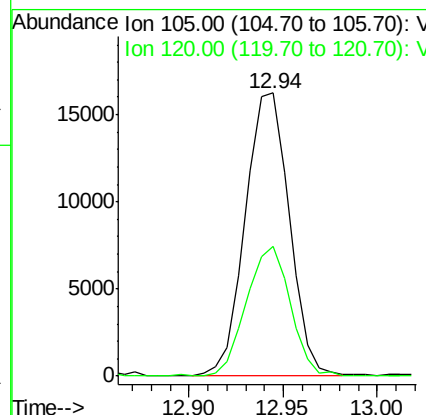
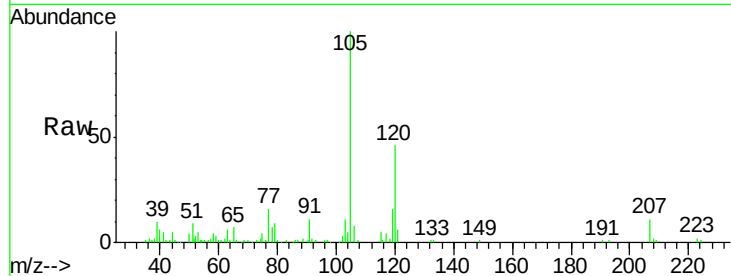
#62
 1,3,5-Trimethylbenzene
 Concen: 0.793 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.4	56.0

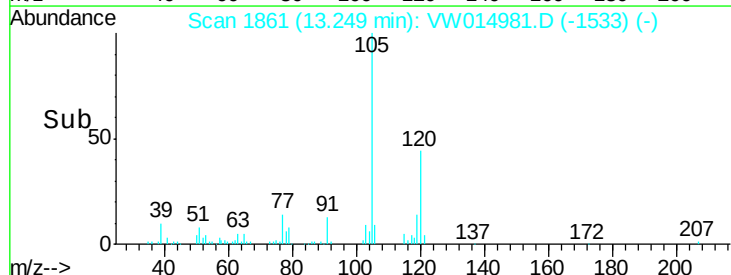
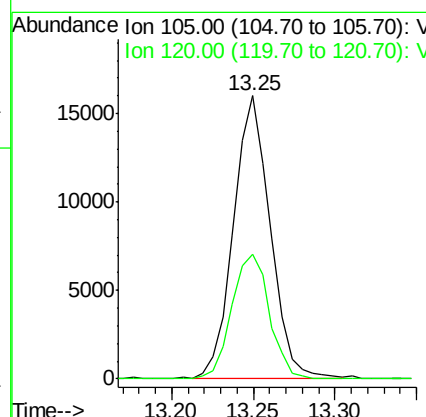
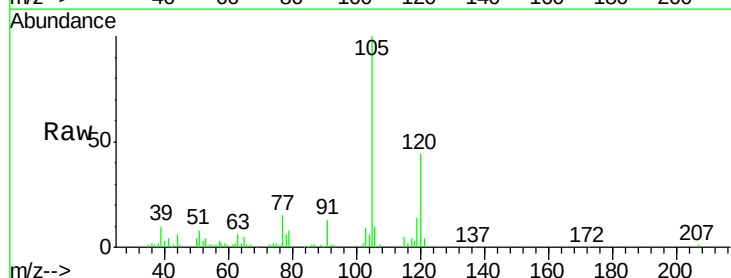
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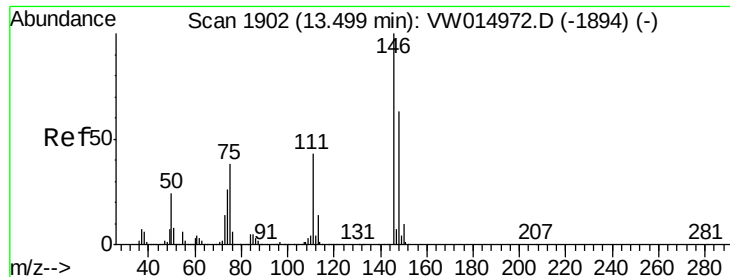
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.772 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	35.0	52.4





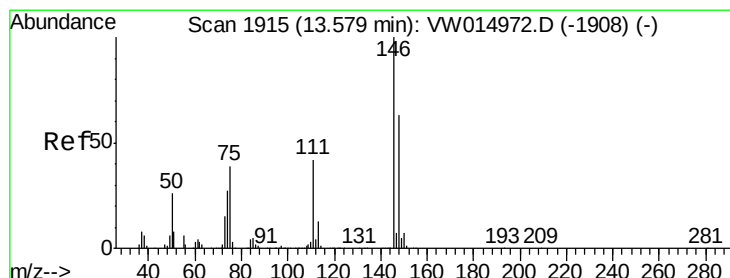
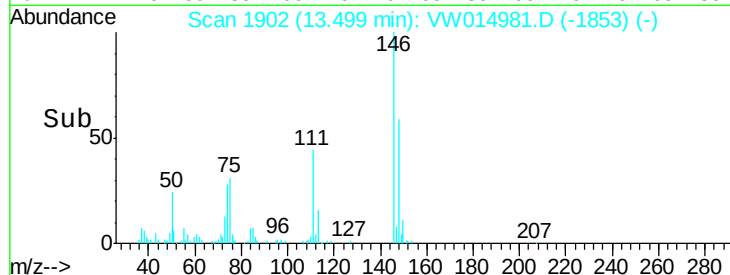
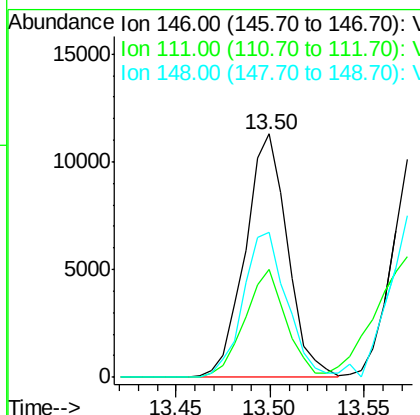
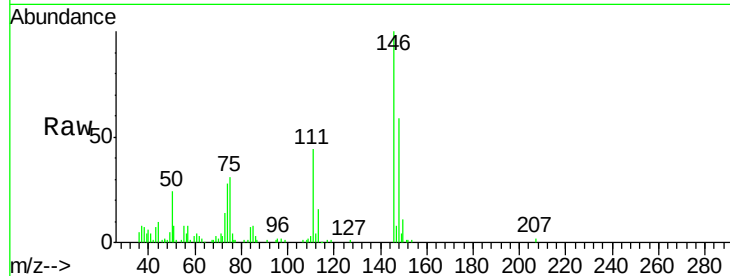
#64
1,3-Dichlorobenzene
Concen: 1.020 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	30.2	56.0
148	59.3	44.2	82.2

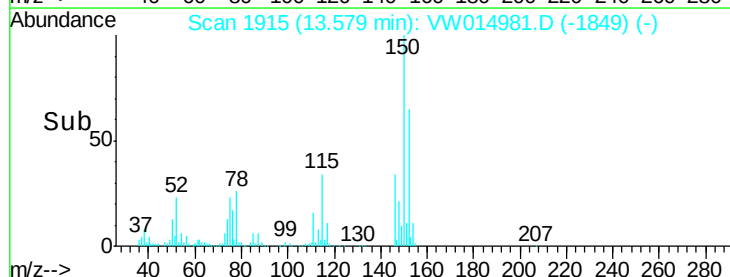
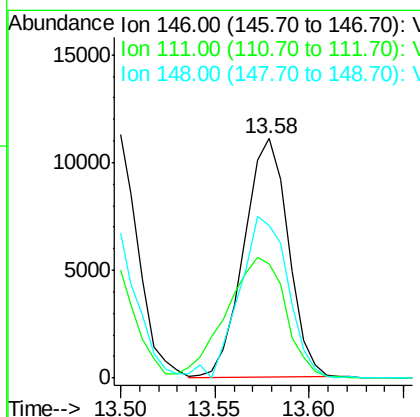
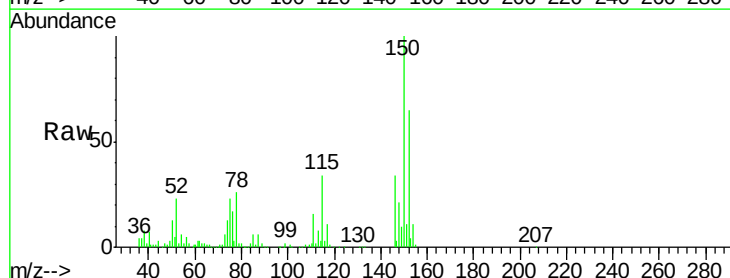
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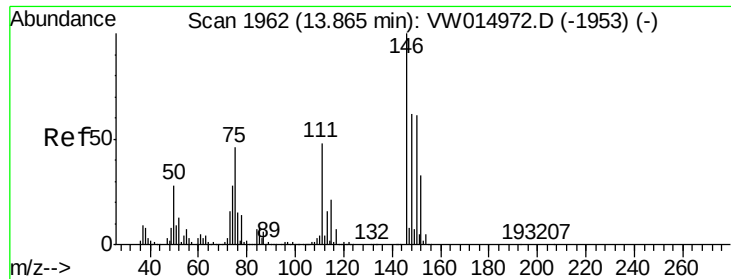
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#65
1,4-Dichlorobenzene
Concen: 1.013 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	29.5	54.9
148	63.5	43.8	81.3





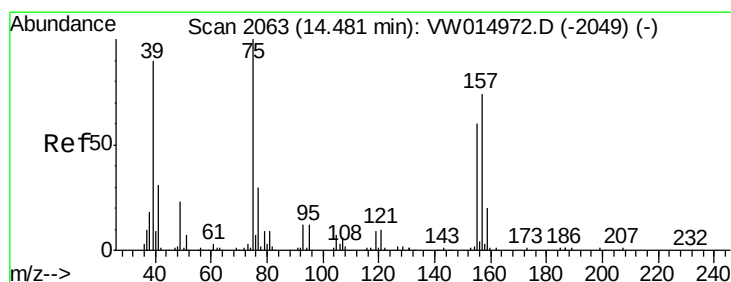
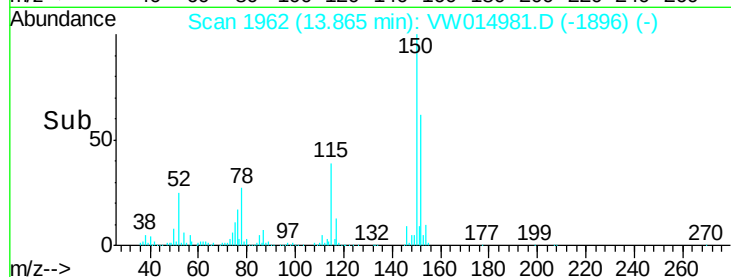
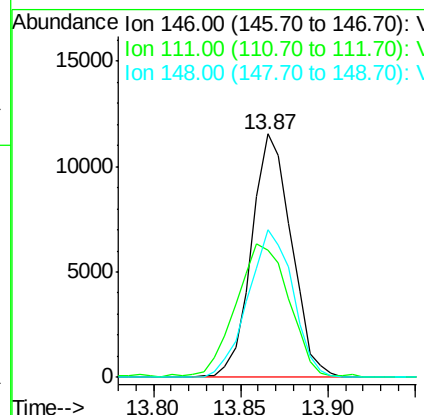
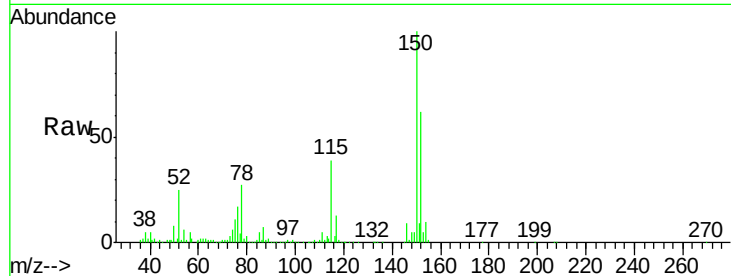
#67
 1,2-Dichlorobenzene
 Concen: 1.149 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.4	38.0	57.0
148	60.8	49.5	74.3

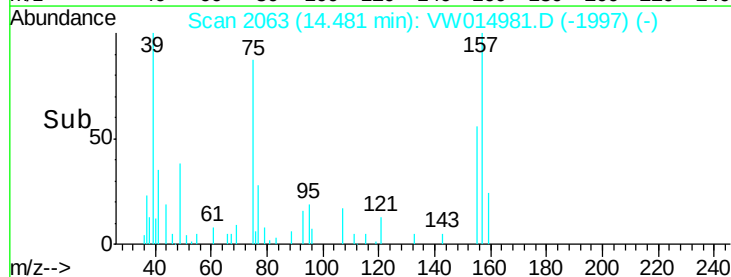
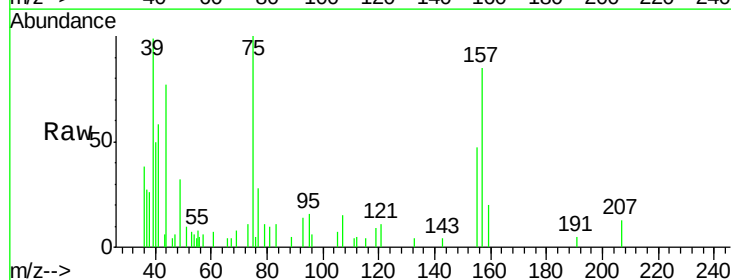
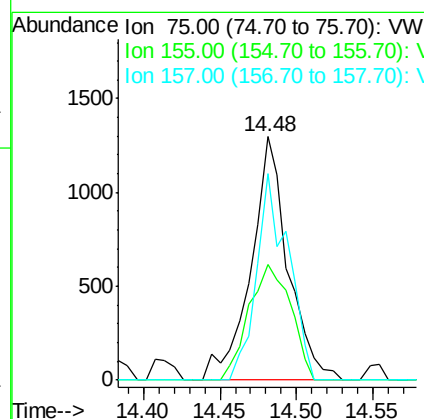
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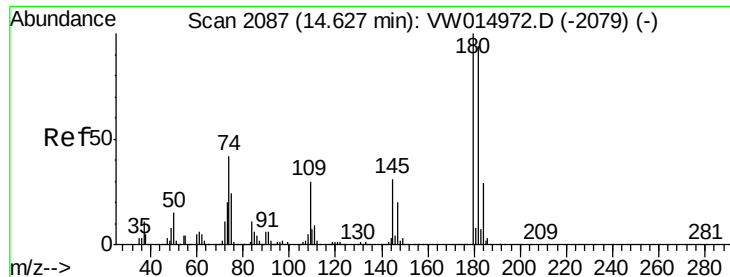
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.336 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.5	48.0	72.0#
157	85.0	59.4	89.0





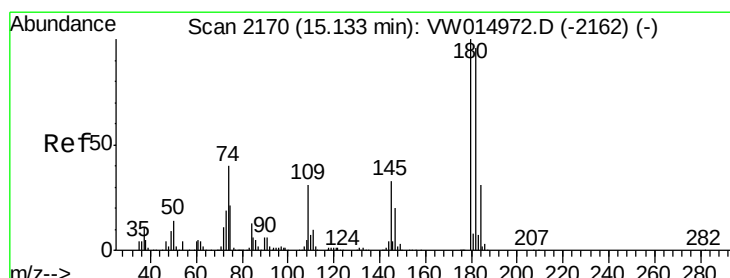
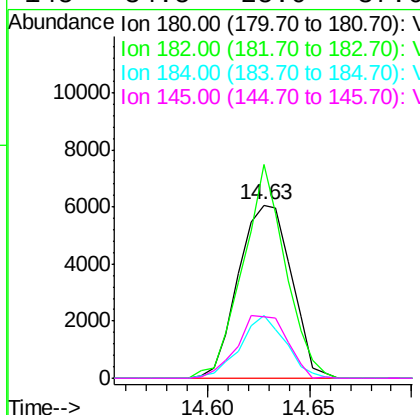
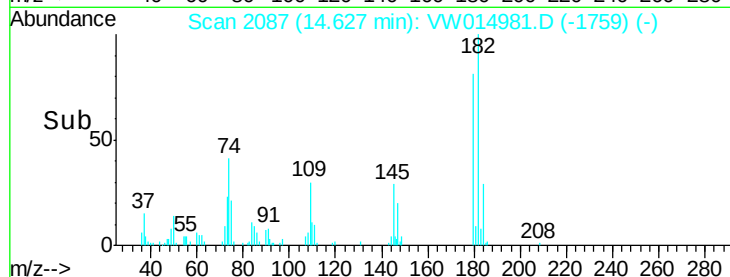
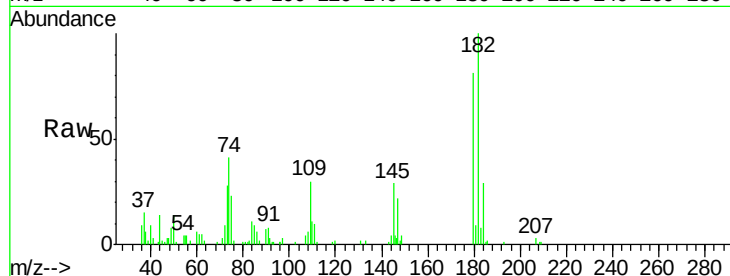
#69
 1,3,5-Trichlorobenzene
 Concen: 0.948 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	10942		
182	99.8	76.5	114.7	
184	31.1	24.2	36.2	
145	34.5	25.0	37.6	

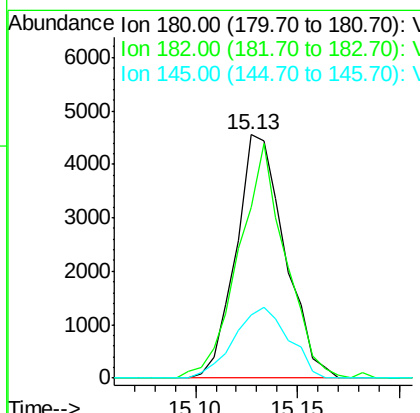
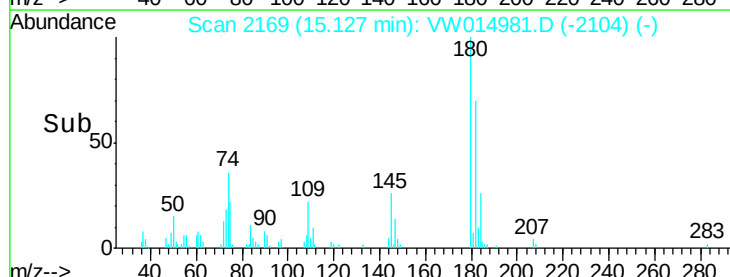
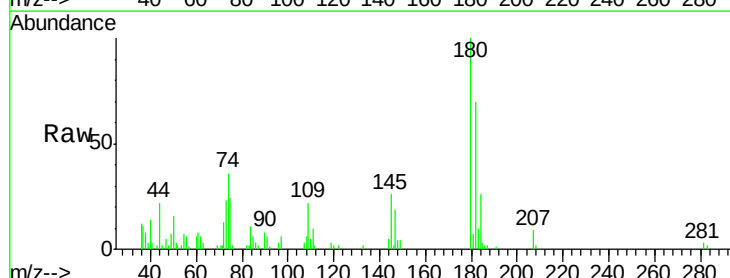
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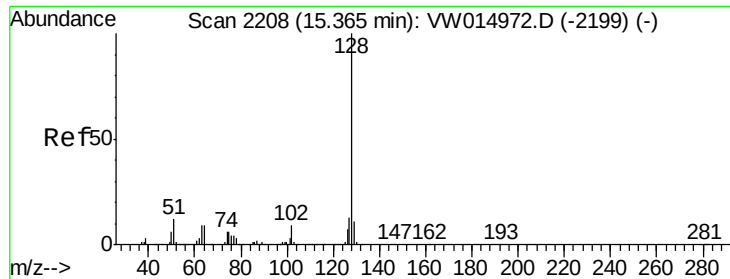
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#70
 1,2,4-trichlorobenzene
 Concen: 0.873 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014981.D
 Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	7556		
182	92.6	76.2	114.4	
145	32.6	26.2	39.4	





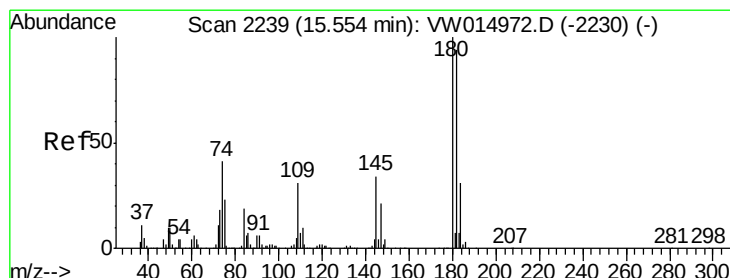
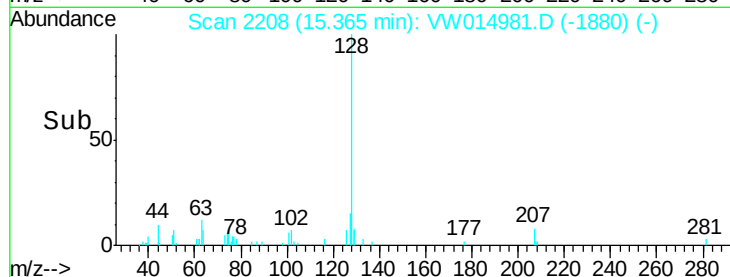
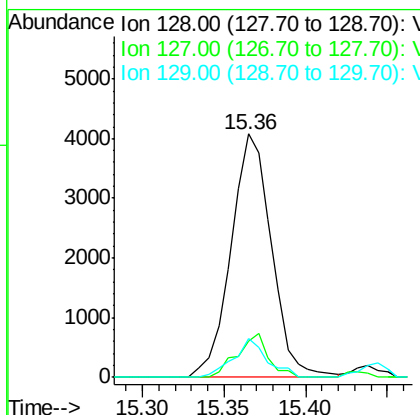
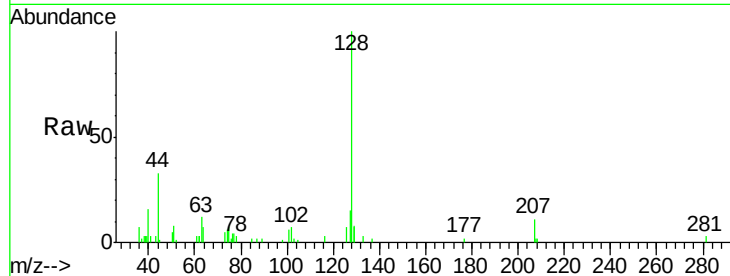
#71
Naphthalene
Concen: 0.795 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	13.1	8.6	12.8

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 0.912 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW014981.D
Acq: 13 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.7	75.2	112.8
145	34.2	27.0	40.6

