

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014993.D
 Acq On : 14 Feb 2020 13:18
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:25 PM

Quant Time: Feb 15 03:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	802047	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	749759	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	291749	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352297	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	2.89	69	269852	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
11) 1,1-Dichloroethene-d2	4.01	63	480434	16.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.32%
21) 2-Butanone-d5	7.07	46	212472	47.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.40%
24) Chloroform-d	7.65	84	572324	22.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	8.31	65	359296	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
32) Benzene-d6	8.27	84	1161256	22.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.92%
36) 1,2-Dichloropropane-d6	9.27	67	400634	23.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.24%
41) Toluene-d8	10.32	98	968201	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.84%
43) trans-1,3-Dichloropropene-	10.57	79	147980	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.68%
47) 2-Hexanone-d5	10.92	63	144313	46.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.38%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	294868	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.96%
66) 1,2-Dichlorobenzene-d4	13.85	152	269247	24.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	6290m	0.789	ug/L
3) Chloromethane	2.21	50	16525	1.103	ug/L
5) Vinyl chloride	2.36	62	20966m	1.087	ug/L
6) Bromomethane	2.78	94	8945	1.022	ug/L
8) Chloroethane	2.92	64	10324	1.000	ug/L
9) Trichlorofluoromethane	3.26	101	6927	0.909	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	16586m	1.331	ug/L
12) 1,1-Dichloroethene	4.03	96	15012	1.256	ug/L #
13) Acetone	4.13	43	14464	3.078	ug/L
14) Carbon disulfide	4.38	76	41545	0.961	ug/L
15) Methyl Acetate	4.68	43	8156m	1.000	ug/L
16) Methylene chloride	4.91	84	41835	2.823	ug/L
17) trans-1,2-Dichloroethene	5.42	96	12055	1.000	ug/L
18) Methyl tert-butyl Ether	5.42	73	15011	1.008	ug/L #
19) 1,1-Dichloroethane	6.21	63	28025	1.040	ug/L
20) cis-1,2-Dichloroethene	7.17	96	12317	0.991	ug/L
22) 2-Butanone	7.17	43	15978m	2.828	ug/L

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Quant Time: Feb 15 03:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.52	128	5286	1.048	ug/L #	79
25) Chloroform	7.68	83	27460	1.144	ug/L	89
27) 1,2-Dichloroethane	8.40	62	19251	1.091	ug/L	96
29) Cyclohexane	7.95	56	20293	0.830	ug/L	94
30) 1,1,1-Trichloroethane	7.87	97	18756	1.028	ug/L	98
31) Carbon tetrachloride	8.07	117	16555	1.007	ug/L	95
33) Benzene	8.32	78	57620	1.047	ug/L	100
34) Trichloroethene	9.09	95	13198	1.001	ug/L	96
35) Methylcyclohexane	9.33	83	19235	0.846	ug/L	90
37) 1,2-Dichloropropane	9.37	63	15820	1.029	ug/L #	91
38) Bromodichloromethane	9.64	83	17088	0.987	ug/L #	99
39) cis-1,3-Dichloropropene	10.07	75	19344	0.940	ug/L	93
40) 4-Methyl-2-pentanone	10.21	43	21847	1.996	ug/L	100
42) Toluene	10.38	91	56262	1.058	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	17158m	1.006	ug/L	
45) 1,1,2-Trichloroethane	10.78	97	9442	1.012	ug/L	94
46) Tetrachloroethene	10.87	164	8533	0.997	ug/L	92
48) 2-Hexanone	10.97	43	16021	2.009	ug/L	99
49) Dibromochloromethane	11.13	129	9009	0.927	ug/L	88
50) 1,2-Dibromoethane	11.24	107	8737	1.039	ug/L #	99
51) Chlorobenzene	11.66	112	31849	1.015	ug/L	98
52) Ethylbenzene	11.73	91	50623	0.874	ug/L	97
53) m,p-Xylene	11.83	106	17164	0.844	ug/L	92
54) o-Xylene	12.16	106	15209	0.797	ug/L	98
55) Styrene	12.18	104	23523	0.715	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.71	83	14450	1.158	ug/L #	90
59) Bromoform	12.35	173	5224	1.171	ug/L #	93
60) Isopropylbenzene	12.46	105	37554	0.822	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	10420	1.219	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	29073	0.798	ug/L	96
63) 1,2,4-Trimethylbenzene	13.25	105	28930	0.812	ug/L	96
64) 1,3-Dichlorobenzene	13.50	146	18859	1.002	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	20928	1.078	ug/L	92
67) 1,2-Dichlorobenzene	13.87	146	19767	1.135	ug/L	98
69) 1,3,5-Trichlorobenzene	14.63	180	12527	0.993	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8132	0.860	ug/L	99
71) Naphthalene	15.36	128	6829	0.703	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.56	180	7927	0.904	ug/L #	88

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

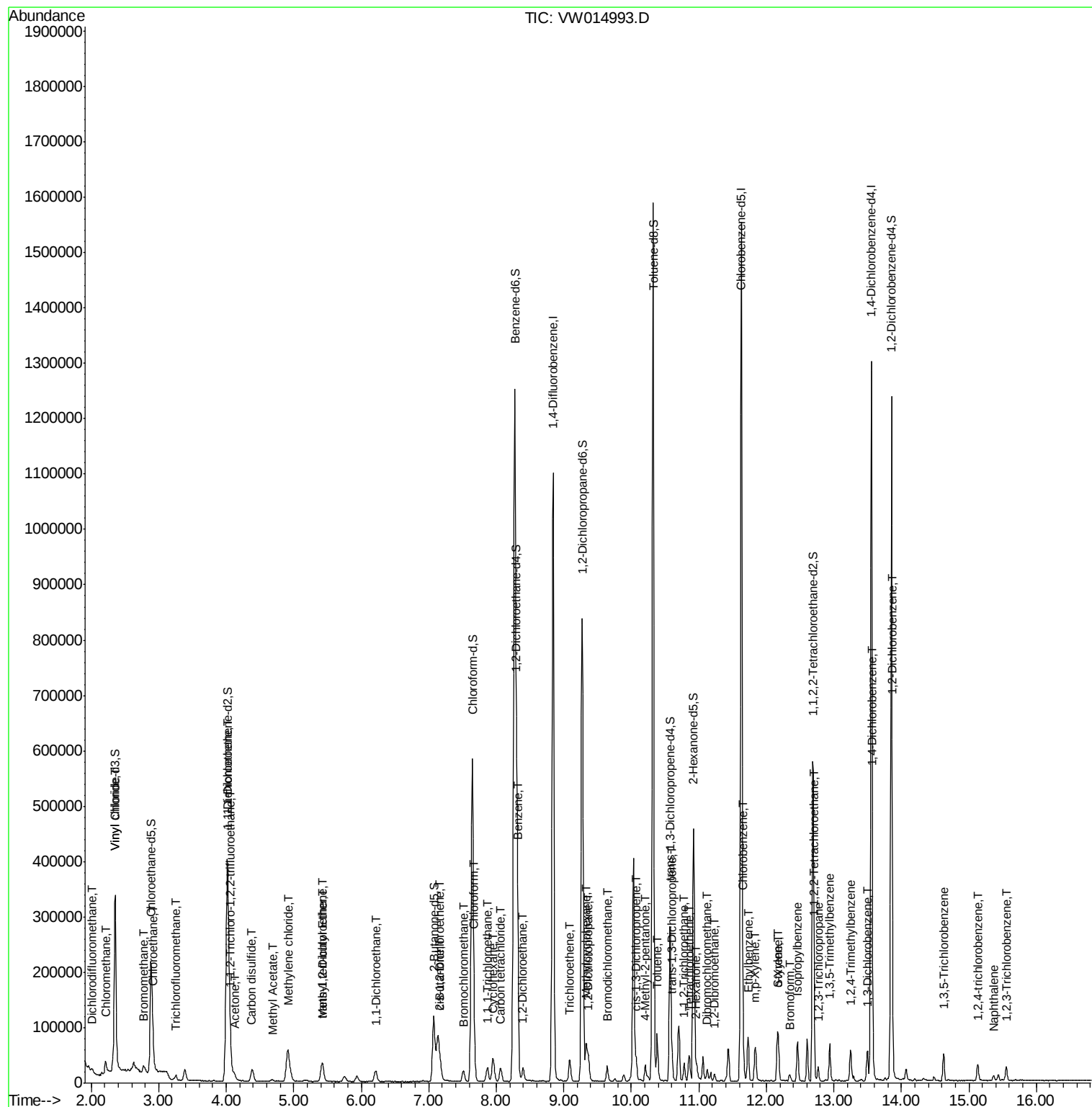
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
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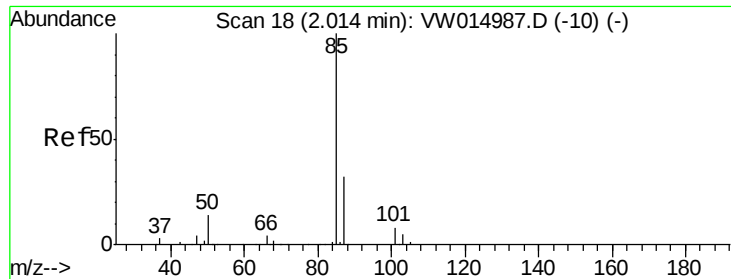
Instrument :
MSVOA_W
ClientSampled :
MDL06

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#2

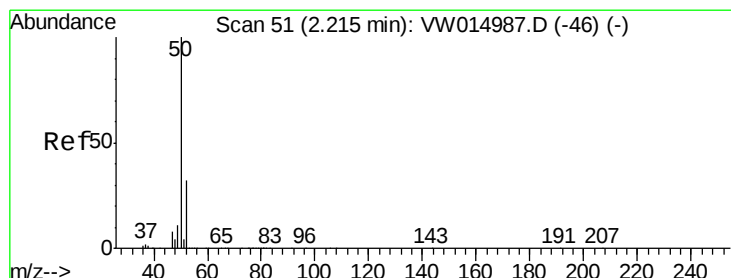
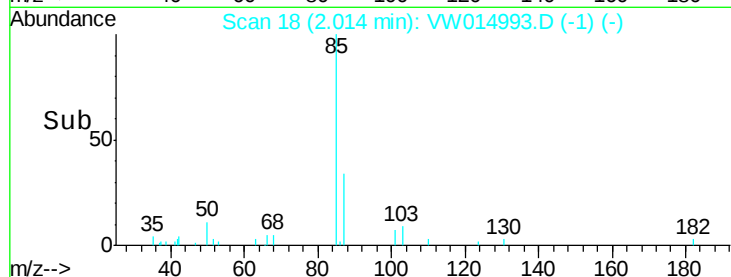
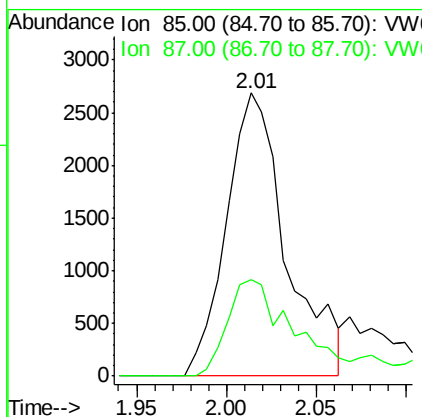
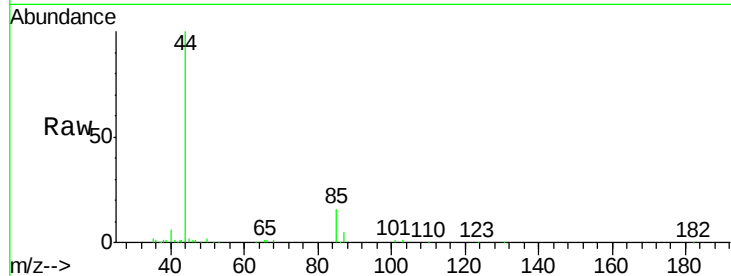
Dichlorodifluoromethane
Concen: 0.789 ug/L m
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	85	Resp	6290
Ion Ratio	100	Lower	Upper
87	1.2	21.5	32.3#

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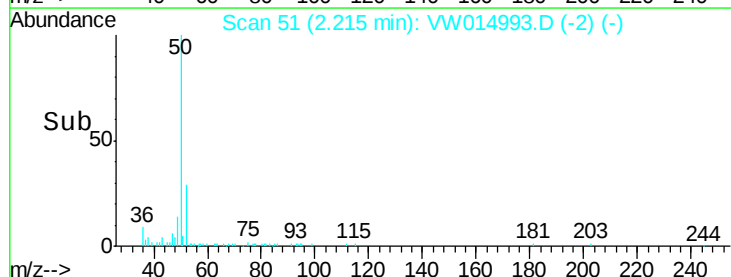
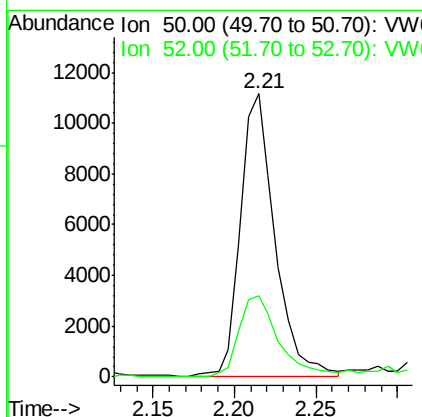
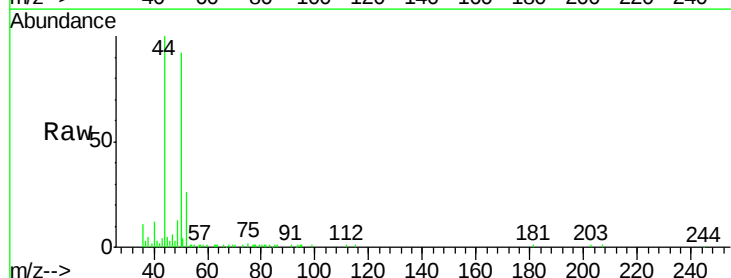
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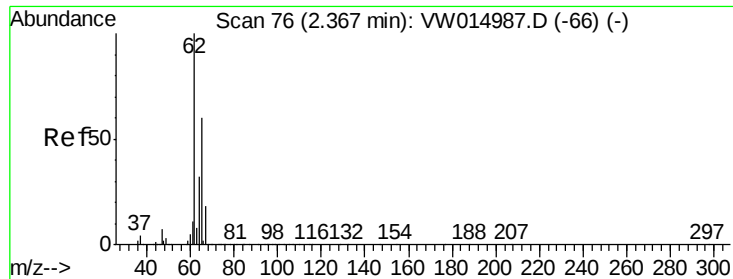


#3

Chloromethane
Concen: 1.103 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion	50	Resp	16525
Ion Ratio	100	Lower	Upper
52	28.8	22.3	41.3





#5

Vinyl chloride

Concen: 1.087 ug/L m

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 20966

Ion Ratio Lower Upper

62 100

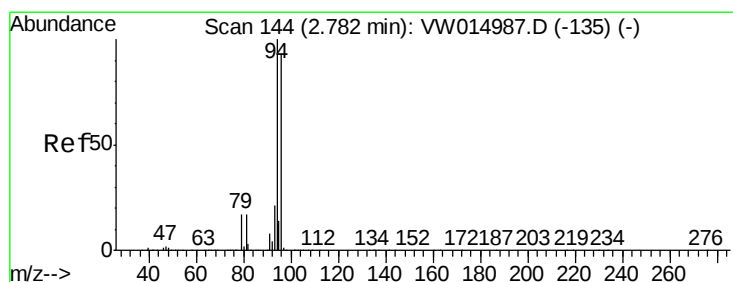
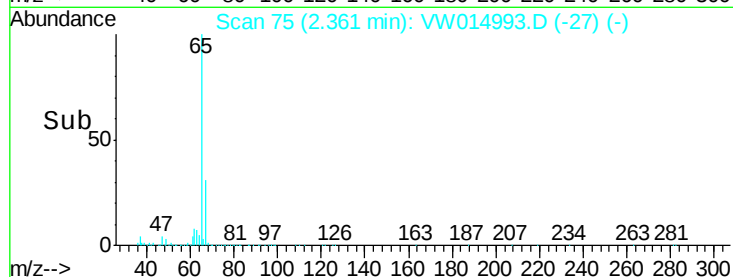
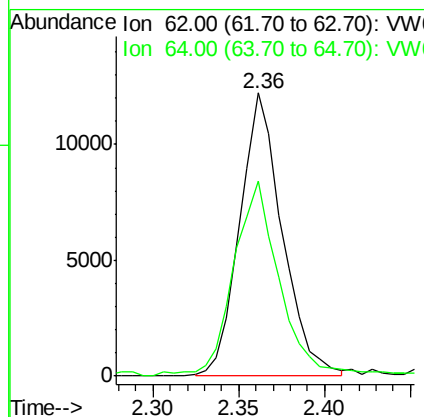
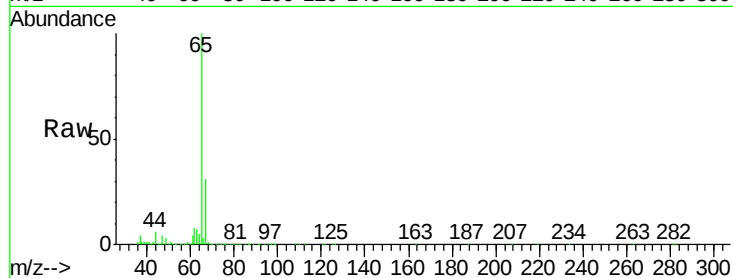
64 68.8 23.6 43.8#

Manual Integrations

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#6

Bromomethane

Concen: 1.022 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014993.D

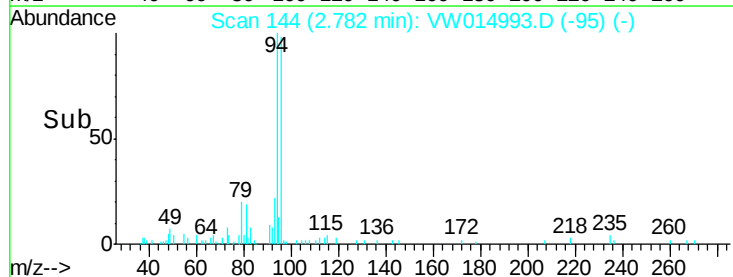
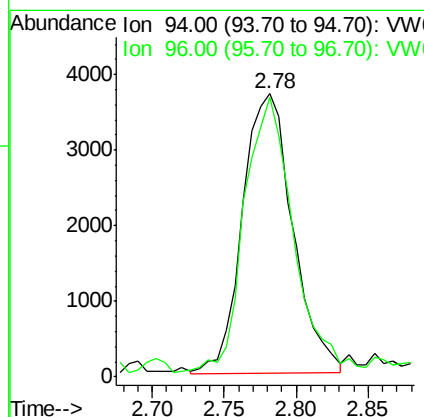
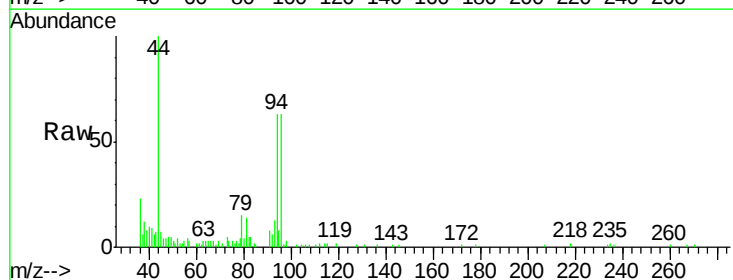
Acq: 14 Feb 2020 13:18

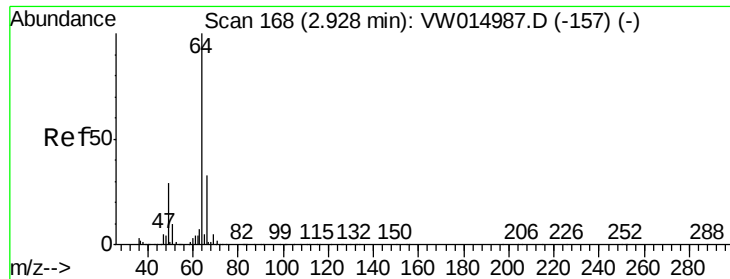
Tgt Ion: 94 Resp: 8945

Ion Ratio Lower Upper

94 100

96 98.6 65.8 122.2





#8

Chloroethane

Concen: 1.000 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 64 Resp: 10324

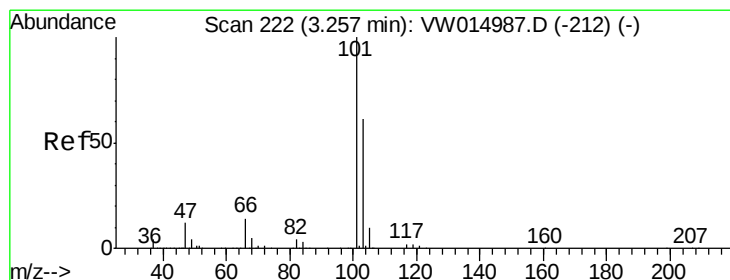
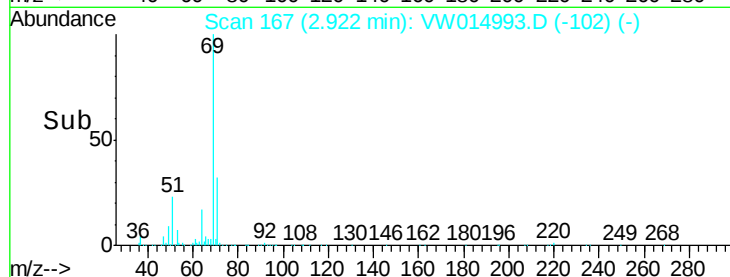
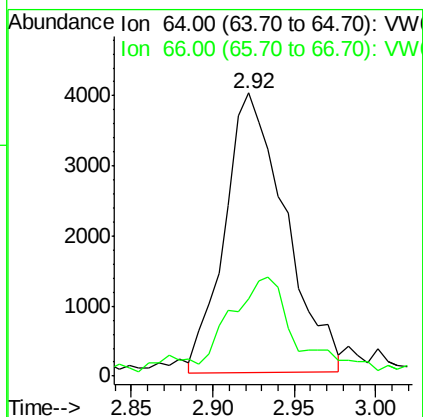
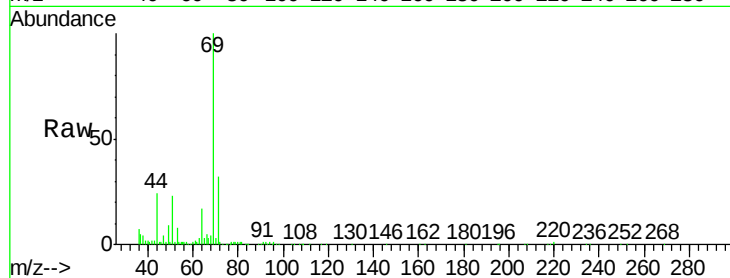
Ion Ratio Lower Upper

64 100

66 27.2 23.1 42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.909 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014993.D

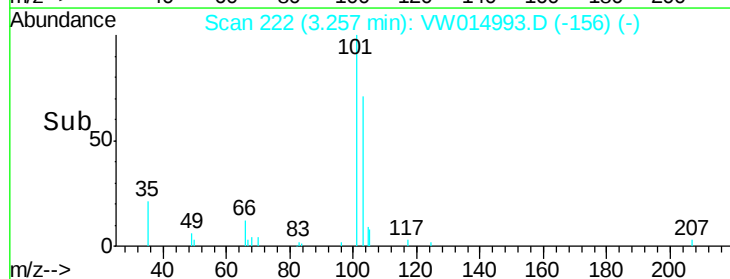
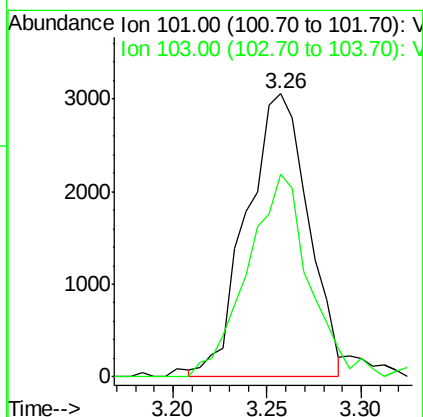
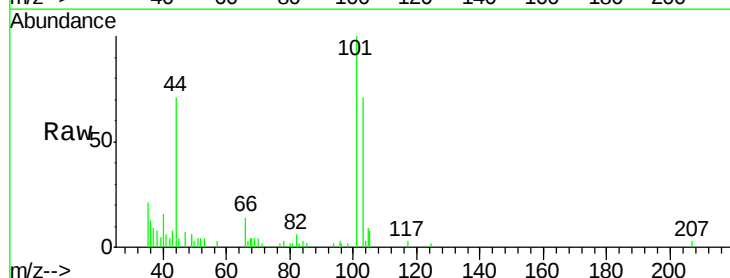
Acq: 14 Feb 2020 13:18

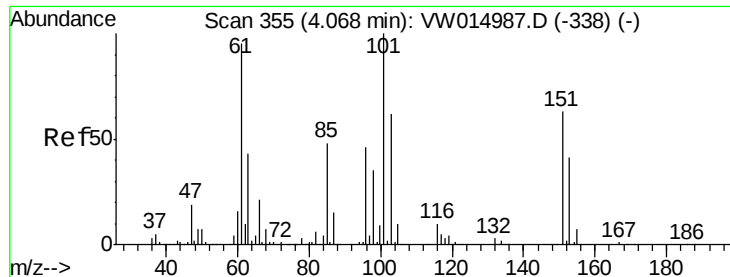
Tgt Ion: 101 Resp: 6927

Ion Ratio Lower Upper

101 100

103 70.0 51.5 77.3





#10

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

Concen: 1.331 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

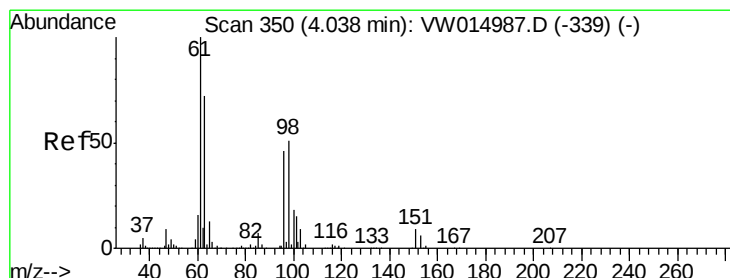
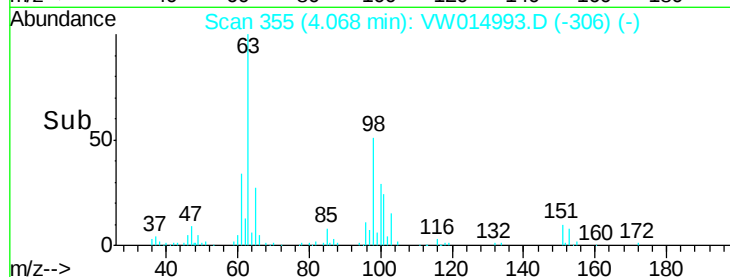
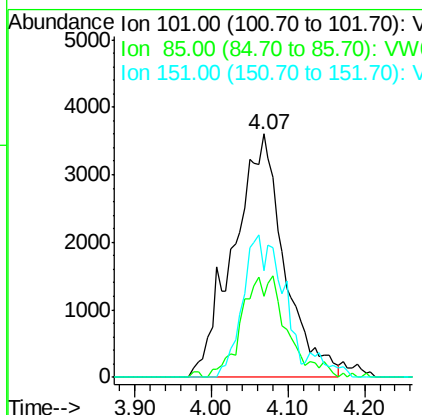
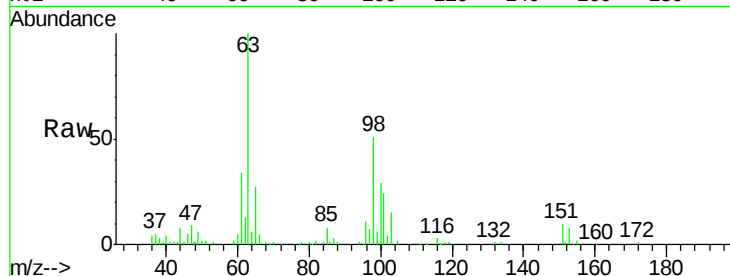
ClientSampled :

MDL06

Tot Ion:	101	Resp:	16586
Ion Ratio	Lower	Upper	
101	100		
85	15.8	36.5	54.7#
151	24.5	50.2	75.4#

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#12

1,1-Dichloroethene

Concen: 1.256 ug/L

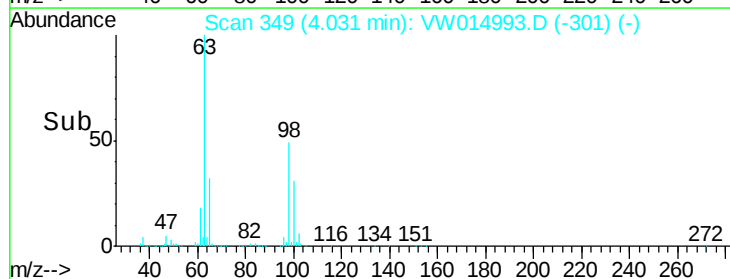
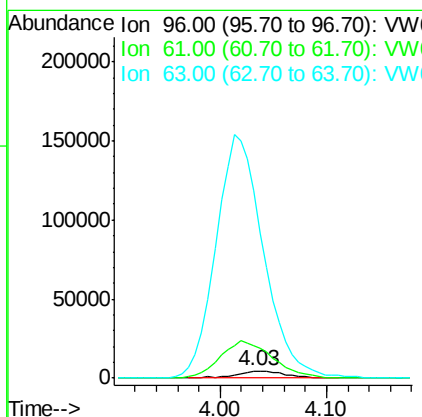
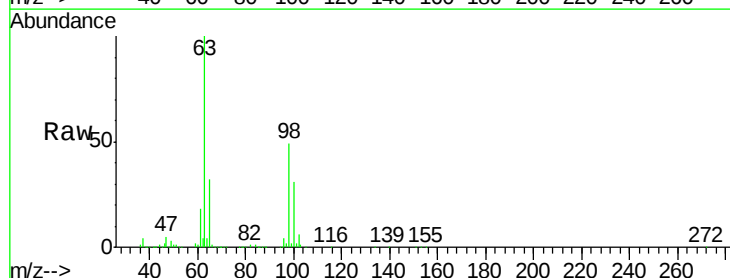
RT: 4.03 min Scan# 349

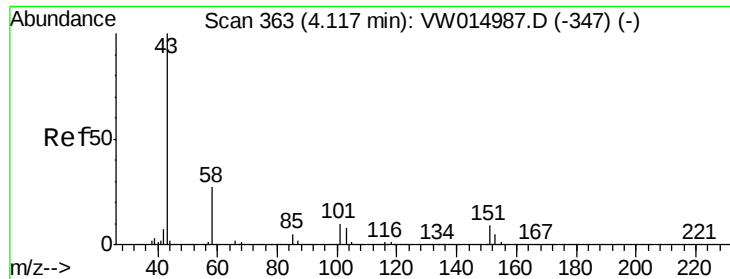
Delta R.T. -0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Tgt Ion:	96	Resp:	15012
Ion Ratio	Lower	Upper	
96	100		
61	462.2	147.0	273.0#
63	2634.1	113.4	210.6#





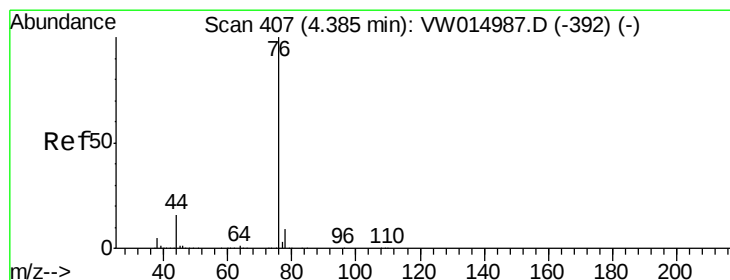
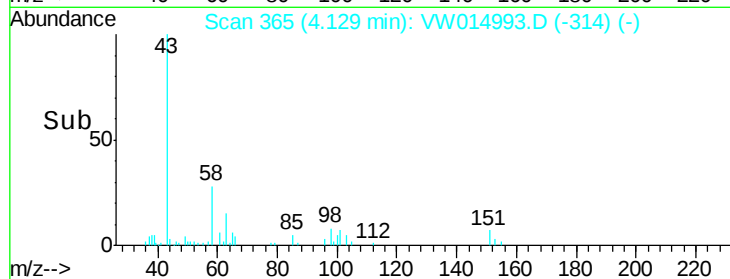
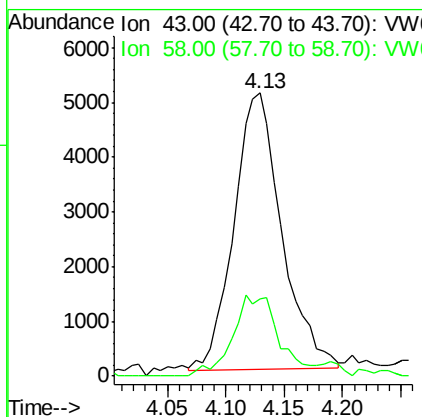
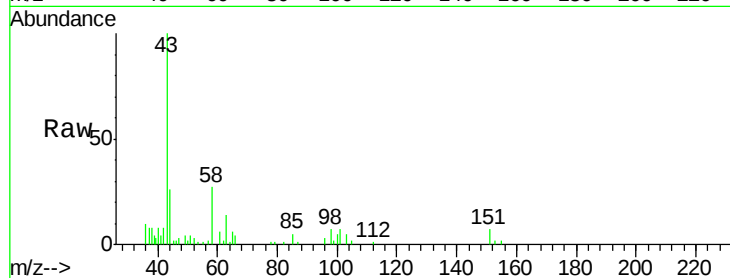
#13
Acetone
Concen: 3.078 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW014993.D
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MSVOA_W
ClientSampleId :
MDL06

Tot Ion	43	Resp	14464
Ion Ratio	100	Lower	Upper
43	100	0.0	54.6
58	10.9		

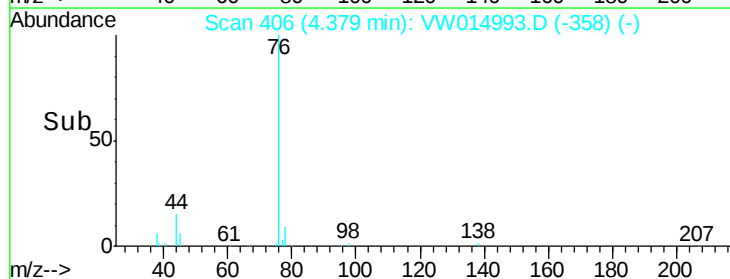
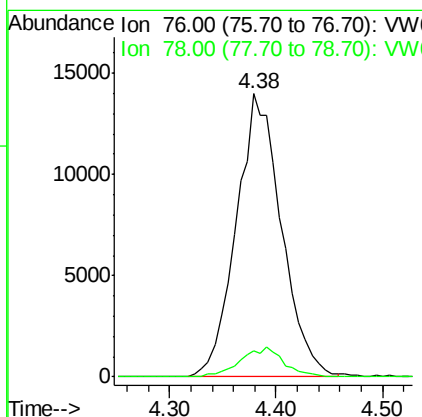
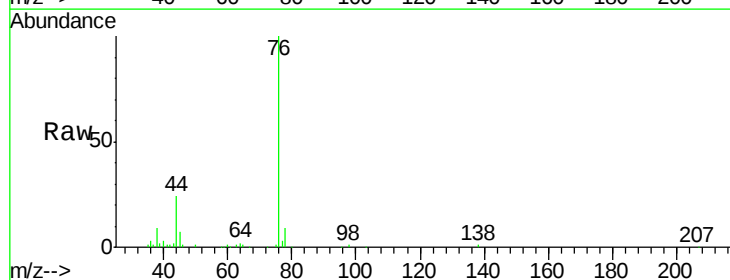
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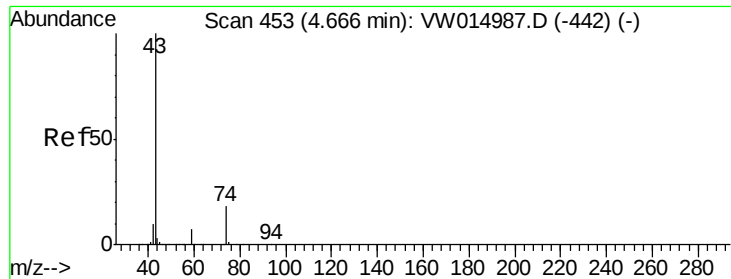
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#14
Carbon disulfide
Concen: 0.961 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion	76	Resp	41545
Ion Ratio	100	Lower	Upper
76	100	7.2	10.8
78	9.4		





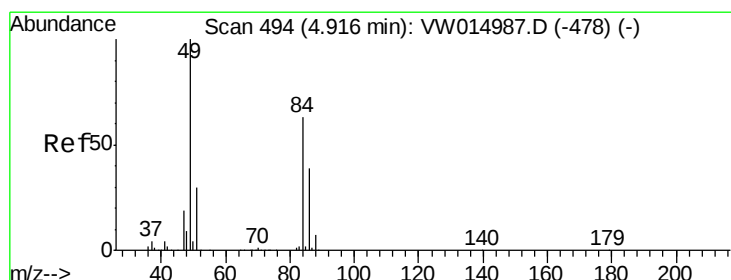
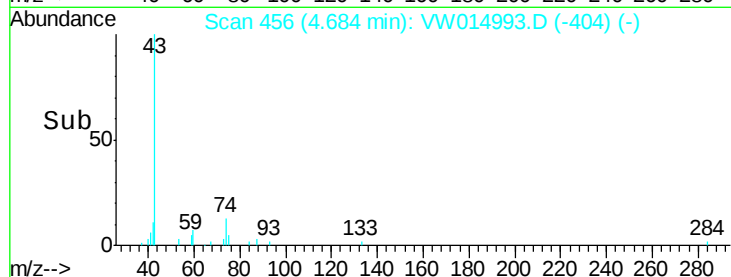
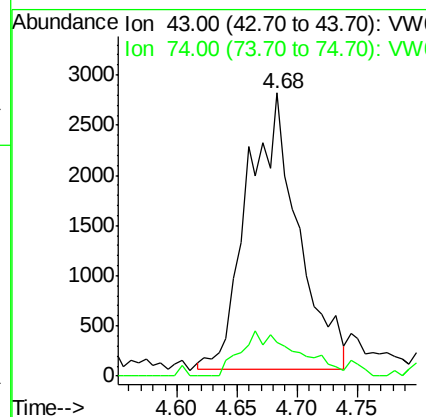
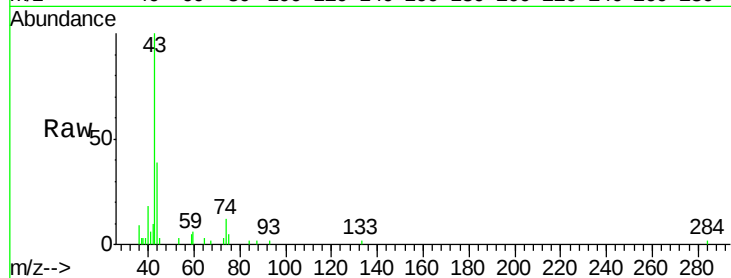
#15
Methvl Acetate
Concen: 1.000 ug/L m
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 8156
Ion Ratio Lower Upper
43 100
74 7.5 14.6 21.8#

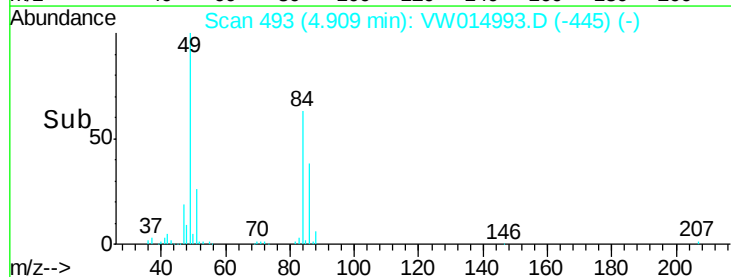
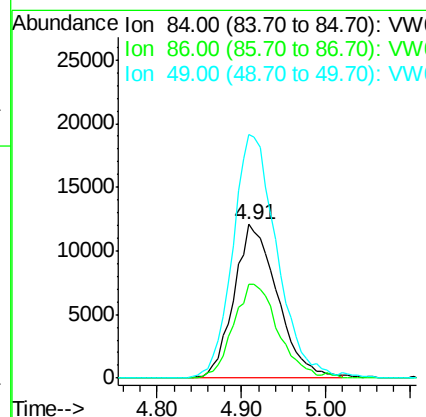
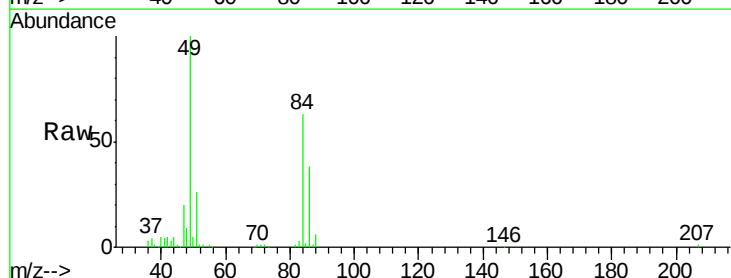
Manual Integrations
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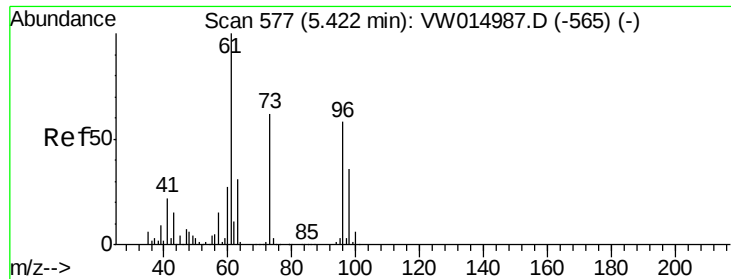
MMDadoda
2/17/2020 3:46:25 PM



#16
Methylene chloride
Concen: 2.823 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion: 84 Resp: 41835
Ion Ratio Lower Upper
84 100
86 61.0 44.4 82.4
49 158.7 109.0 202.4





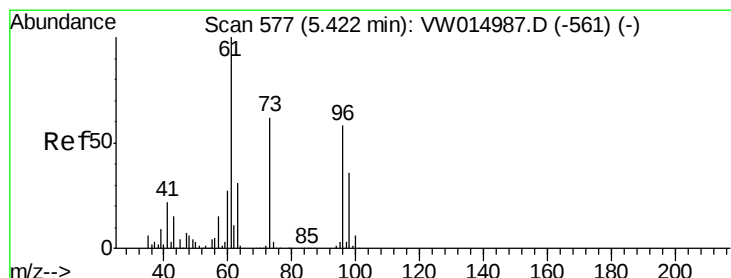
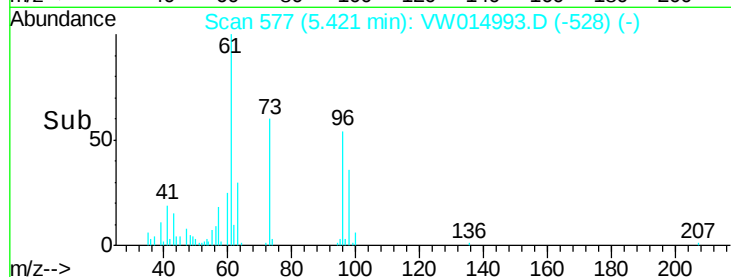
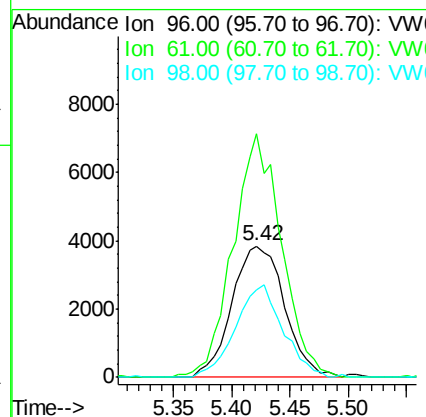
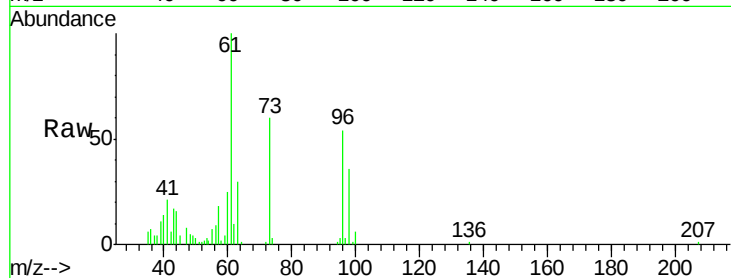
#17
trans-1,2-Dichloroethene
Concen: 1.000 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.7	120.1	223.1
98	66.4	43.8	81.3

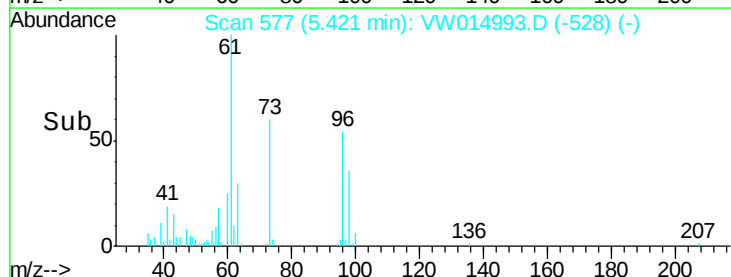
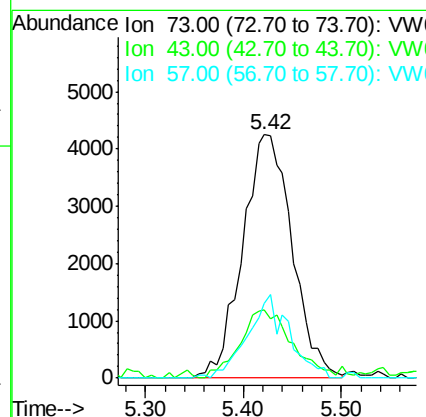
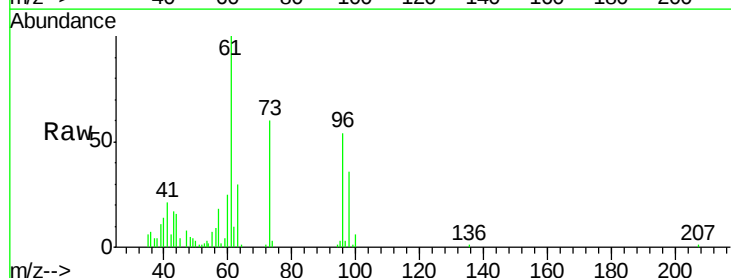
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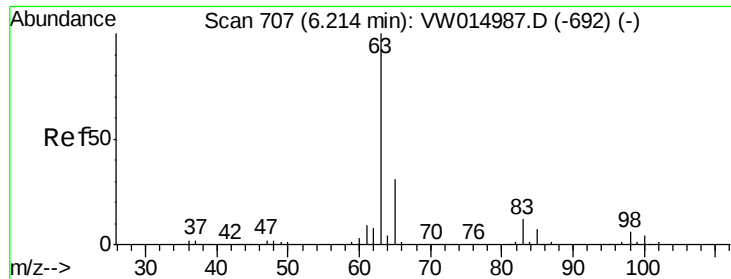
MMDadoda
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#18
Methyl tert-butyl Ether
Concen: 1.008 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion	Ratio	Lower	Upper
73	100		
43	29.4	19.6	29.4
57	18.9	21.0	31.4#





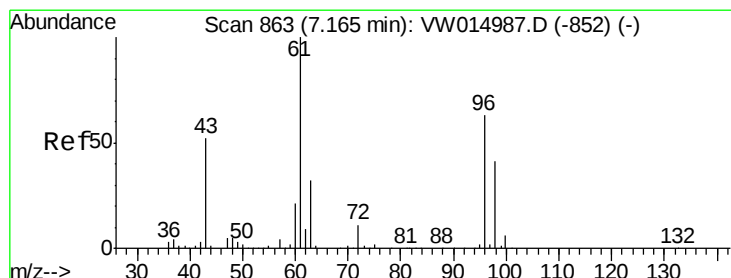
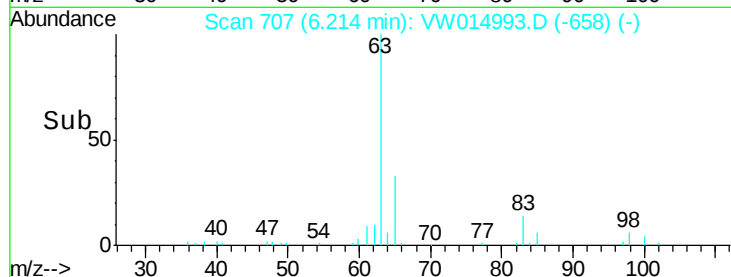
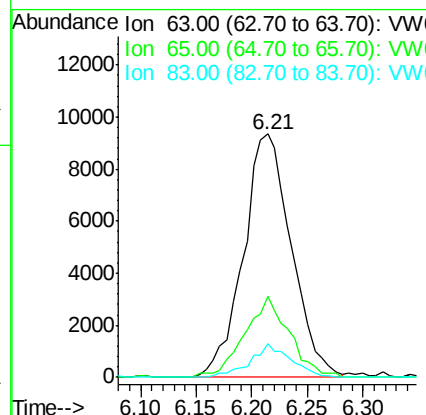
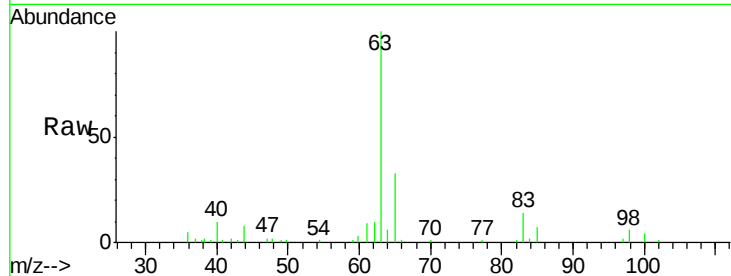
#19
 1,1-Dichloroethane
 Concen: 1.040 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion:	63	Resp:	28025
Ion Ratio	Lower	Upper	
63	100		
65	33.4	20.9	38.7
83	13.7	7.8	14.6

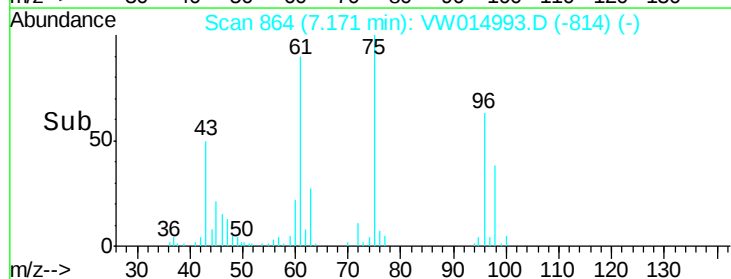
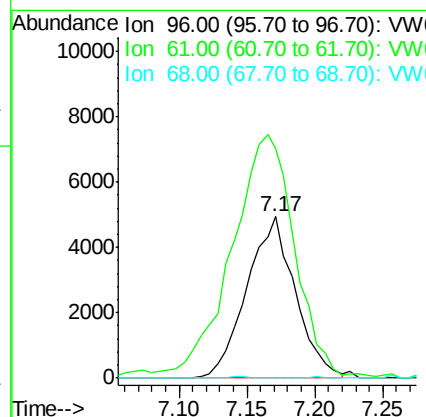
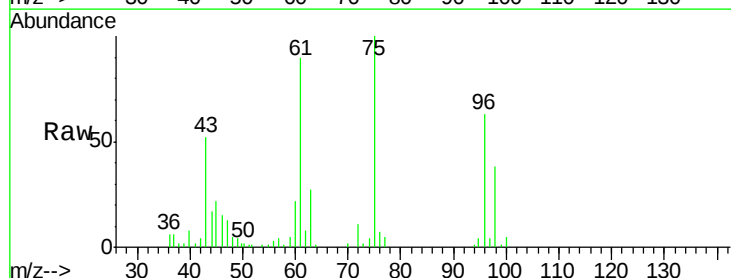
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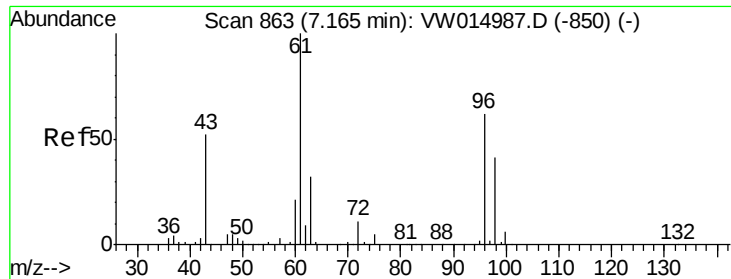
MMDadoda
 2/17/2020 3:46:25 PM



#20
 cis-1,2-Dichloroethene
 Concen: 0.991 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion:	96	Resp:	12317
Ion Ratio	Lower	Upper	
96	100		
61	142.2	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.828 ug/L m

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 15978

Ion Ratio Lower Upper

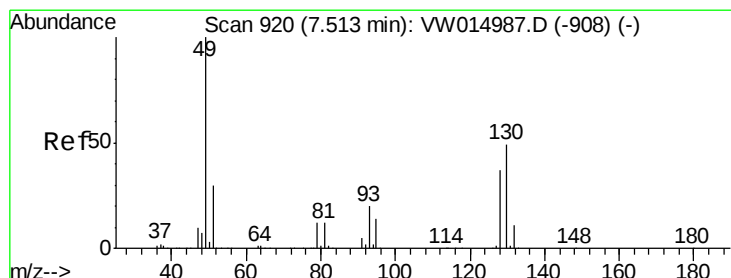
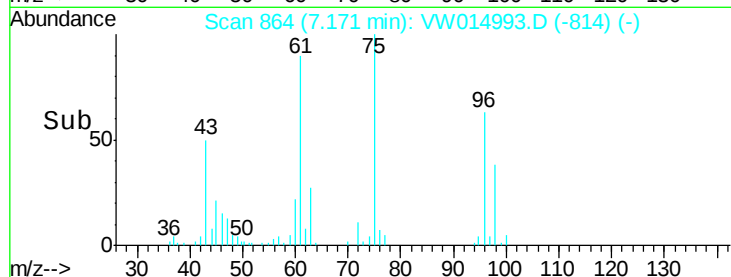
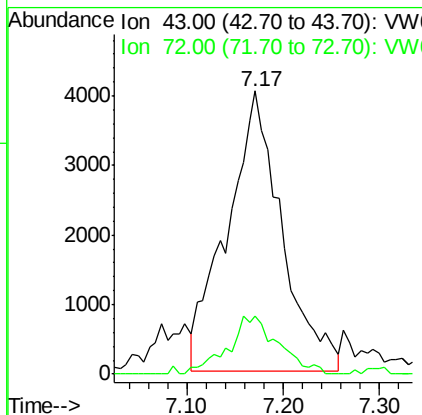
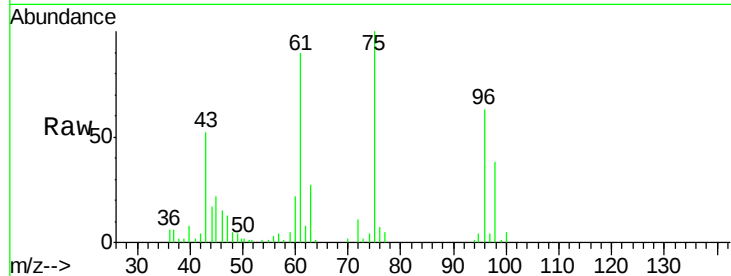
43 100

72 2.5 11.1 33.1#

Manual Integrations
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#23

Bromochloromethane

Concen: 1.048 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Tgt Ion: 128 Resp: 5286

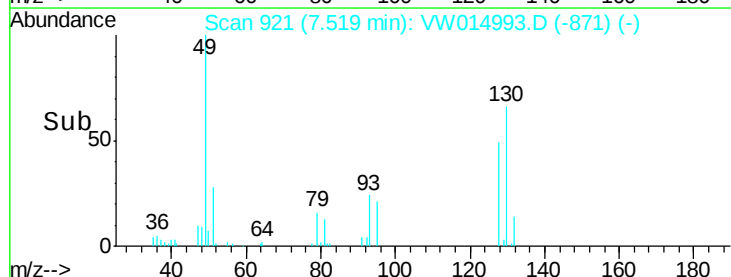
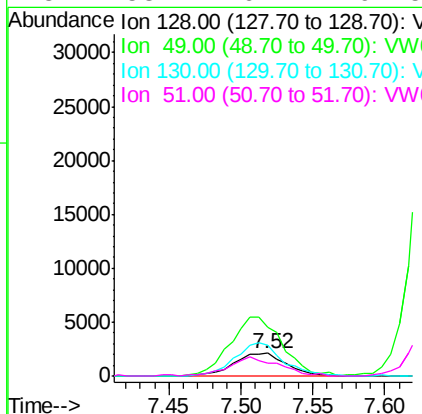
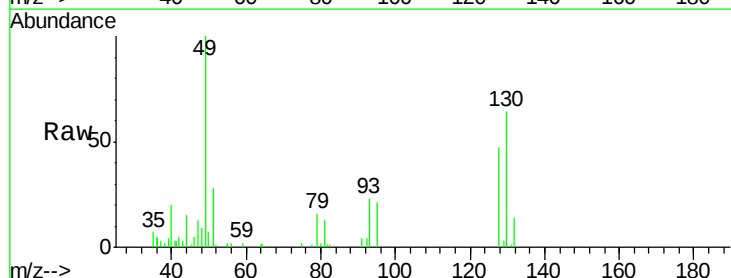
Ion Ratio Lower Upper

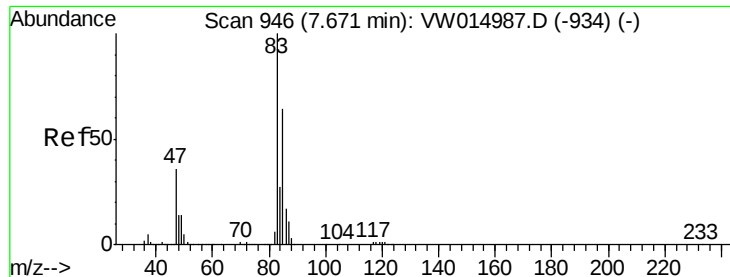
128 100

49 210.9 179.0 332.4

130 134.8 85.5 158.7

51 58.1 61.7 92.5#





#25

Chloroform

Concen: 1.144 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 83 Resp: 27460

Ion Ratio Lower Upper

83 100

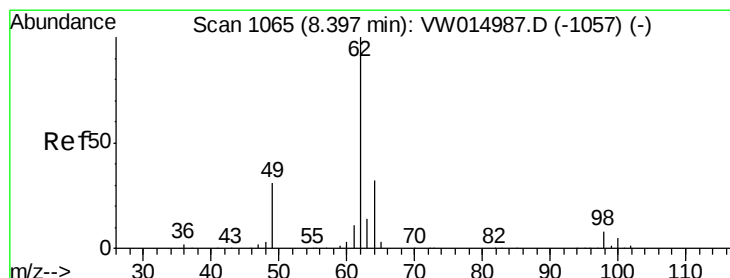
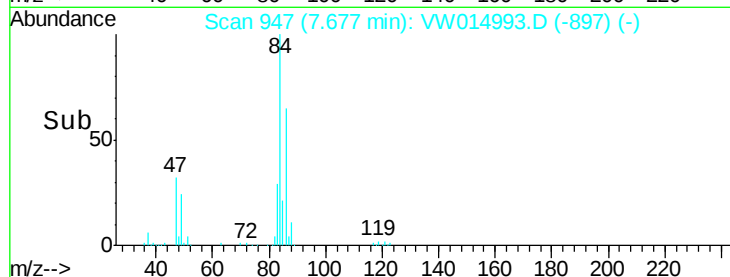
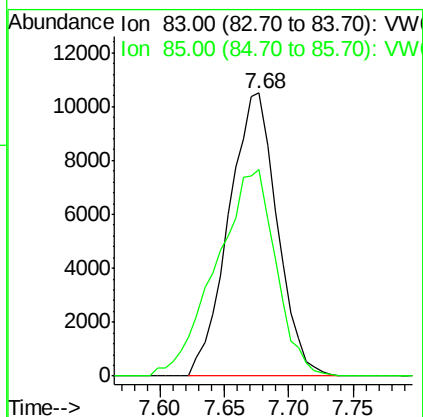
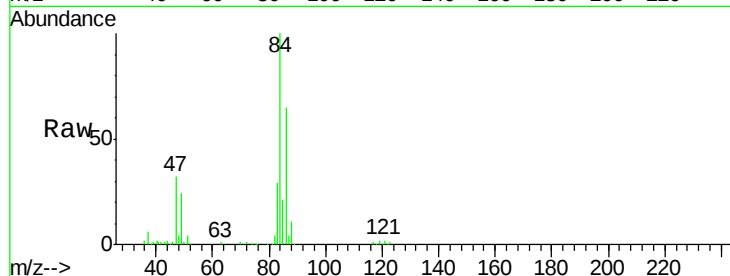
85 72.8 45.1 83.7

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#27

1,2-Dichloroethane

Concen: 1.091 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014993.D

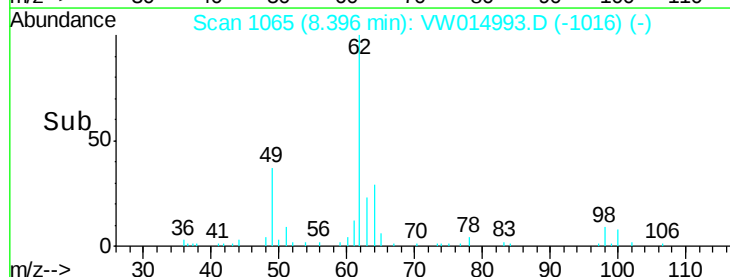
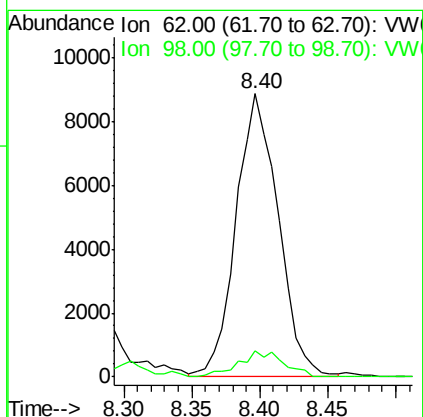
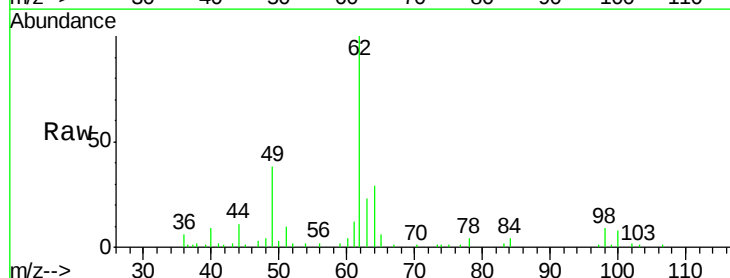
Acq: 14 Feb 2020 13:18

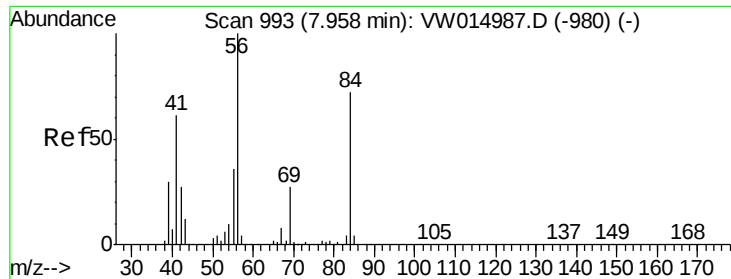
Tgt Ion: 62 Resp: 19251

Ion Ratio Lower Upper

62 100

98 9.3 6.2 9.4





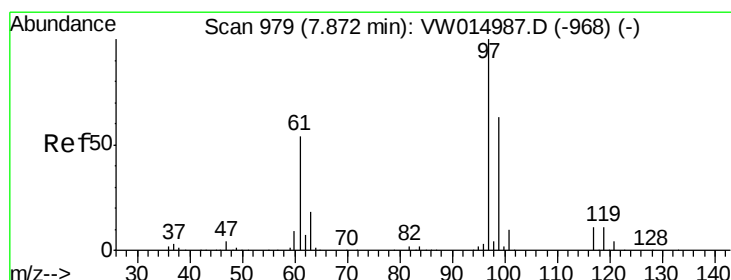
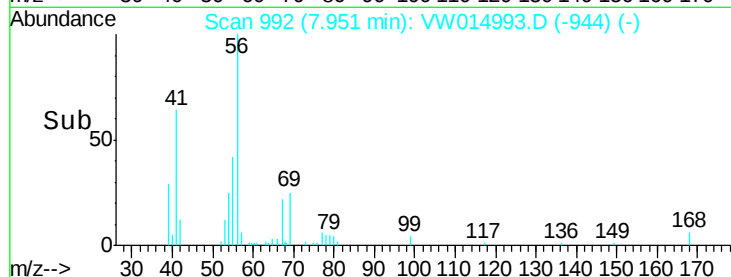
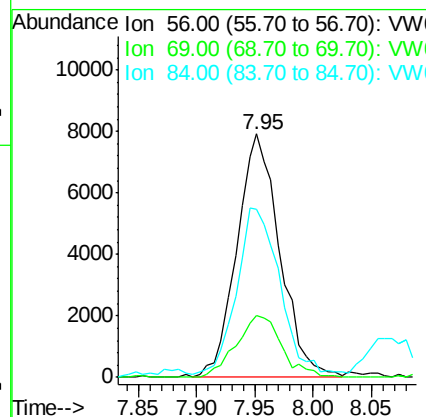
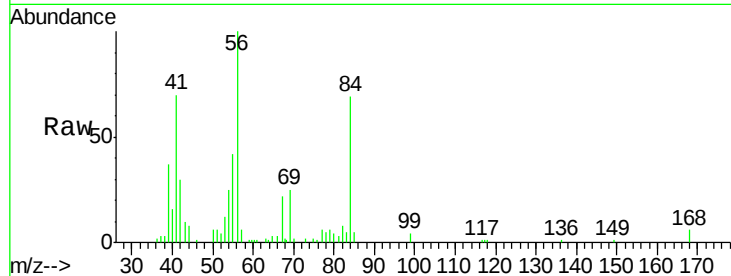
#29
Cyclohexane
Concen: 0.830 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion:	56	Resp:	20293
Ion Ratio	Lower	Upper	
56	100		
69	24.9	22.0	33.0
84	66.7	57.8	86.6

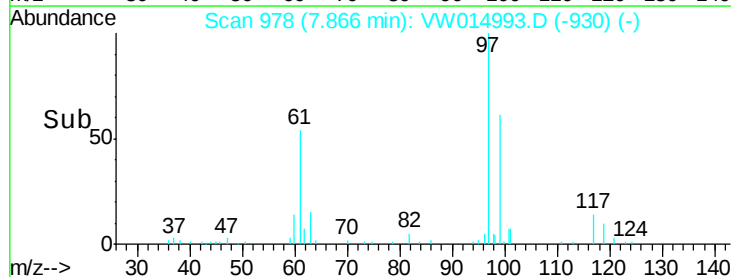
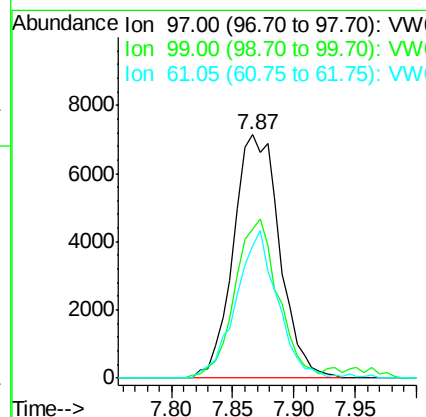
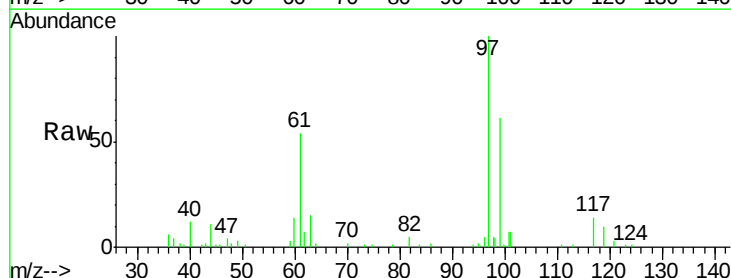
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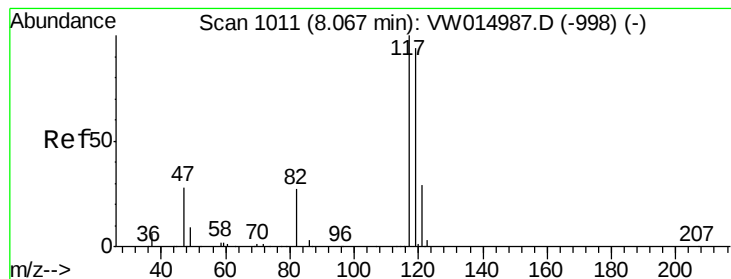
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.028 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion:	97	Resp:	18756
Ion Ratio	Lower	Upper	
97	100		
99	60.8	50.6	75.8
61	54.2	42.7	64.1





#31

Carbon tetrachloride

Concen: 1.007 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion:117 Resp: 16555

Ion Ratio Lower Upper

117 100

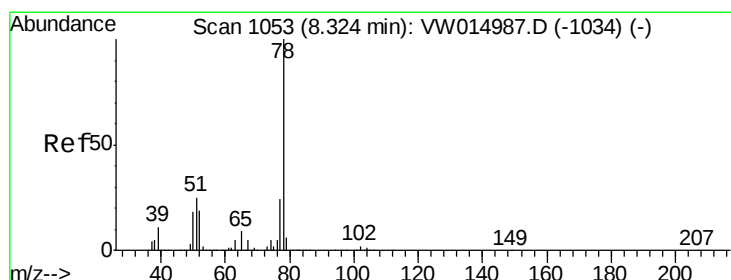
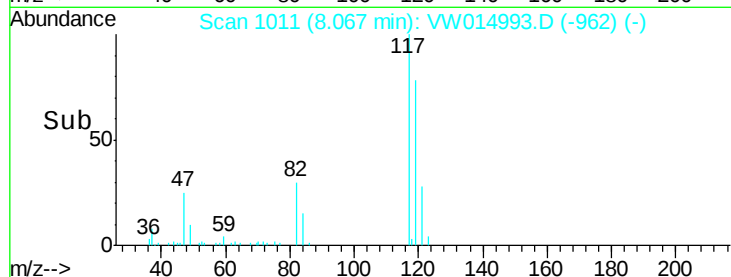
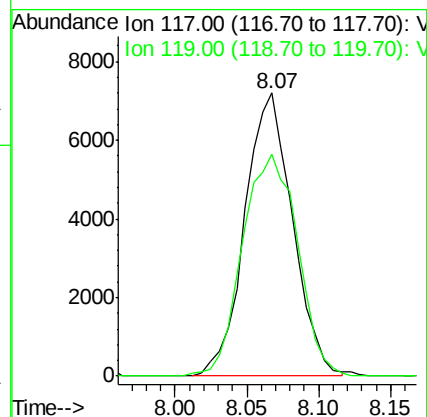
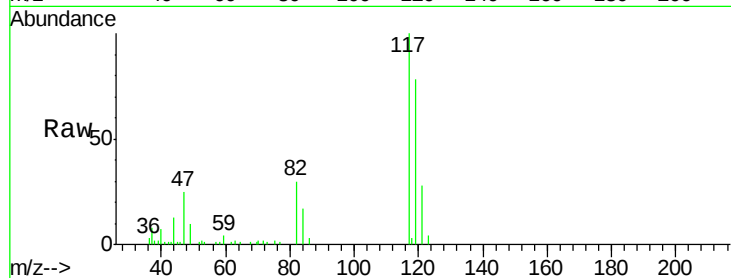
119 90.6 76.6 114.8

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#33

Benzene

Concen: 1.047 ug/L

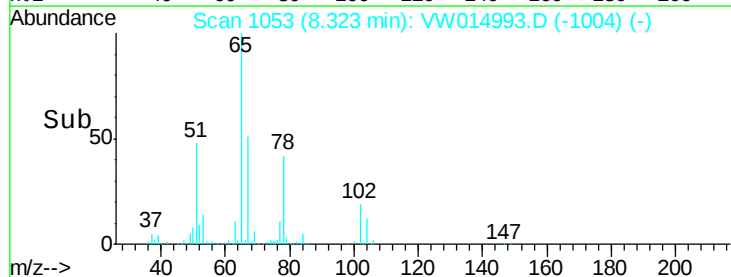
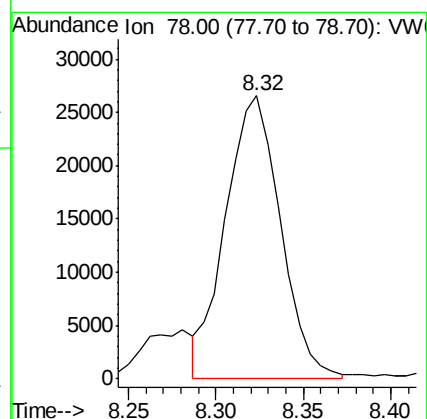
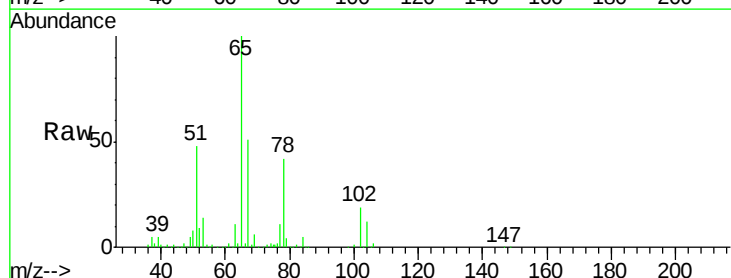
RT: 8.32 min Scan# 1053

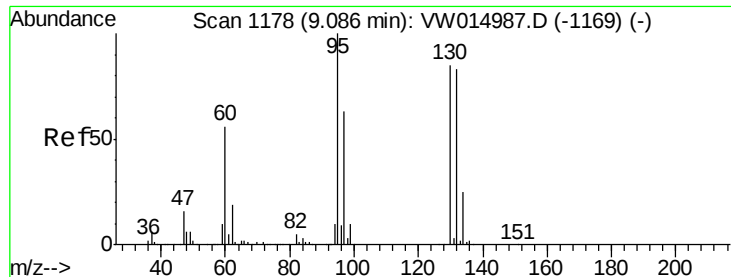
Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Tgt Ion: 78 Resp: 57620





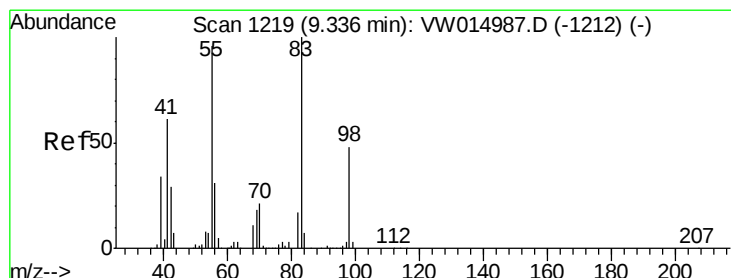
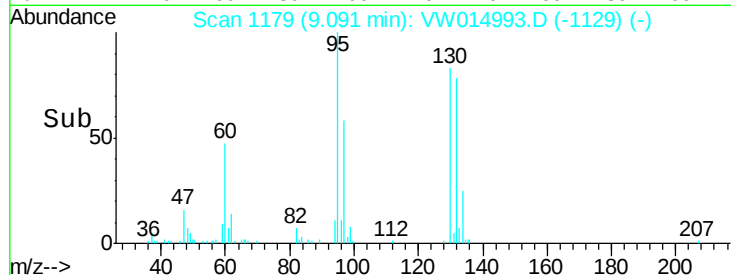
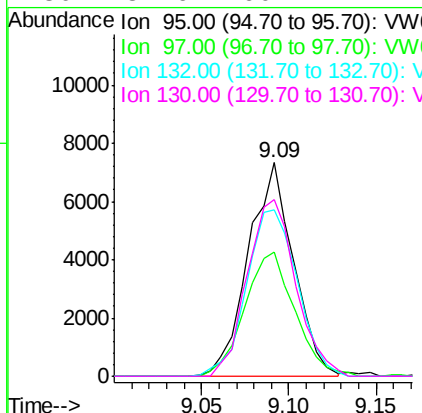
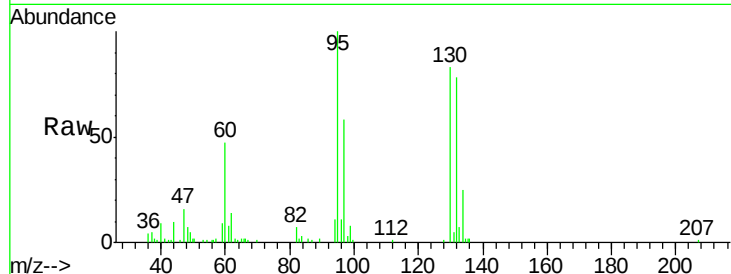
#34
 Trichloroethene
 Concen: 1.001 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion:	95	Resp:	13198
Ion	Ratio	Lower	Upper
95	100		
97	58.0	44.2	82.0
132	77.7	56.1	104.3
130	82.6	60.1	111.7

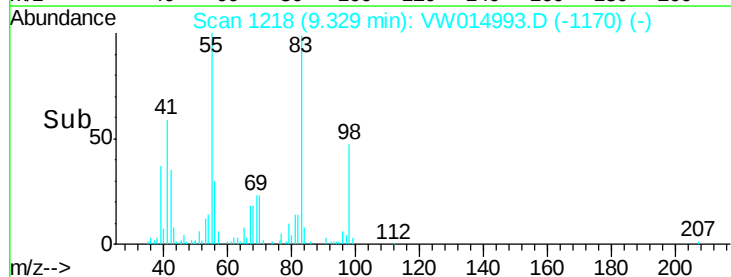
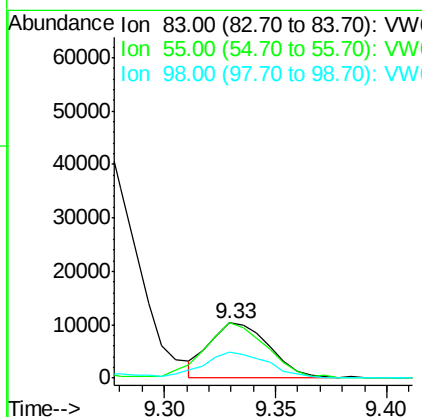
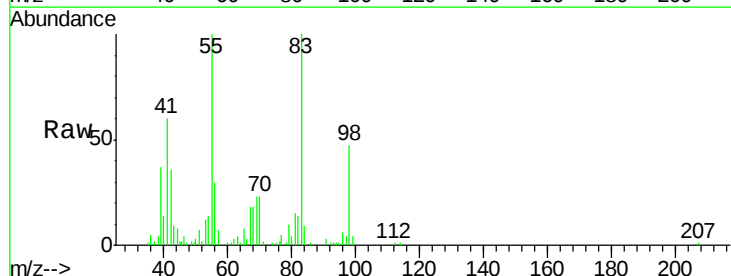
Manual Integrations
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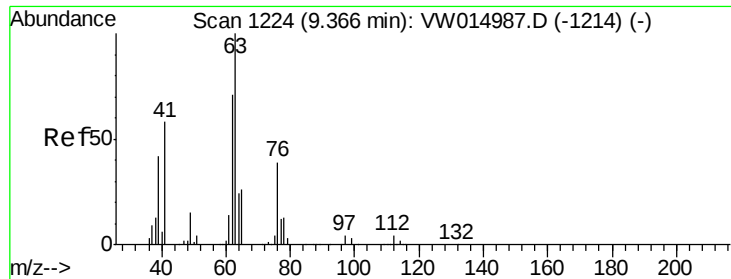
MMDadoda
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#35
 Methylcyclohexane
 Concen: 0.846 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion:	83	Resp:	19235
Ion	Ratio	Lower	Upper
83	100		
55	105.1	76.3	114.5
98	51.4	36.4	54.6





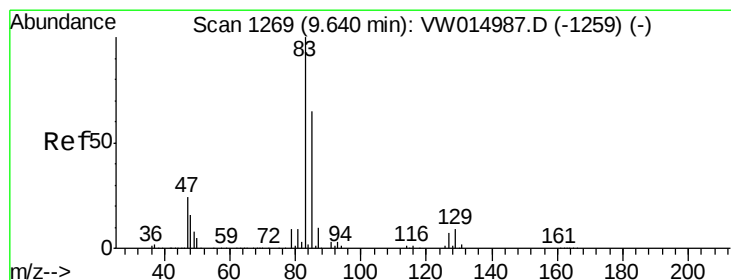
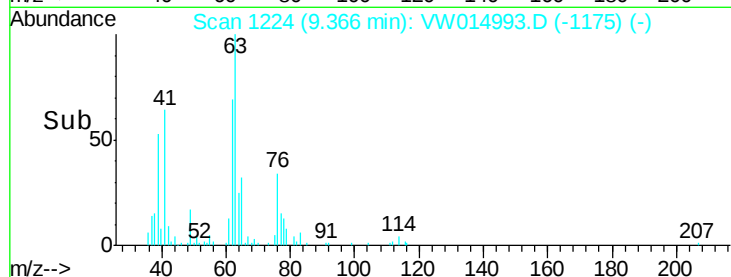
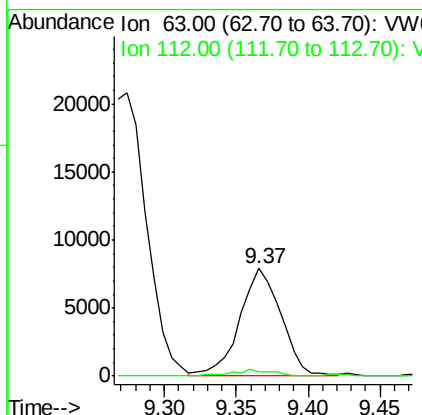
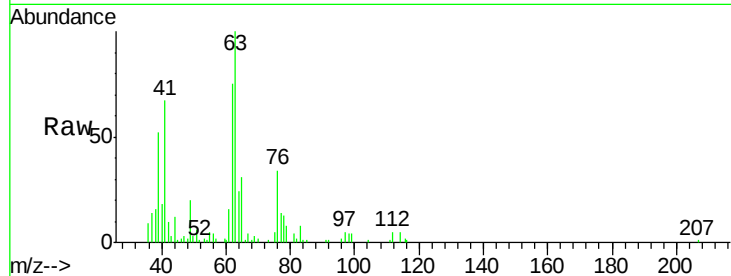
#37
 1,2-Dichloropropane
 Concen: 1.029 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 15820
 Ion Ratio Lower Upper
 63 100
 112 6.1 2.6 4.0#

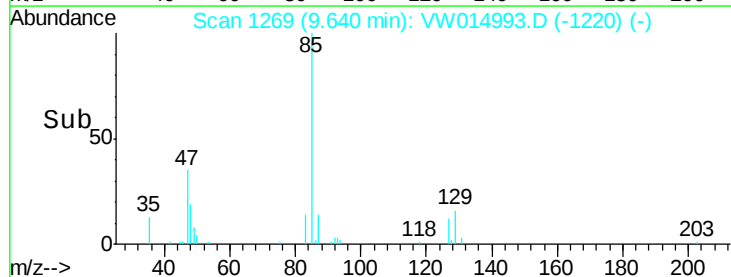
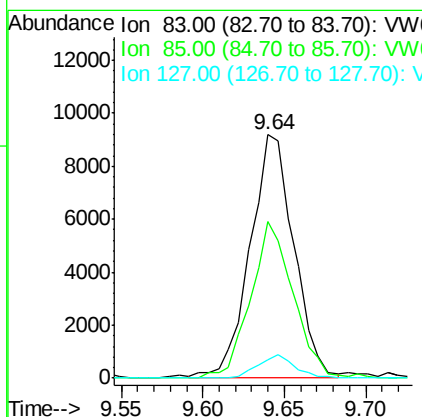
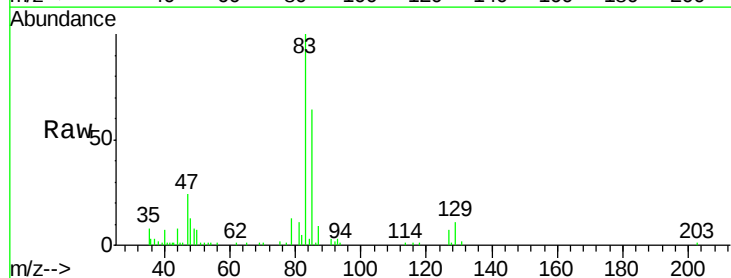
Manual Integrations
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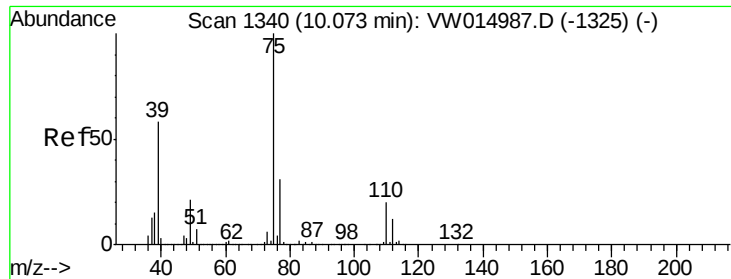
MMDadoda
 2/17/2020 3:46:25 PM



#38
 Bromodichloromethane
 Concen: 0.987 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion: 83 Resp: 17088
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.2 84.0
 127 8.5 5.5 8.3#





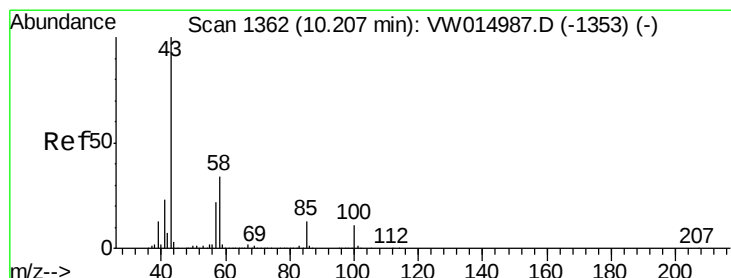
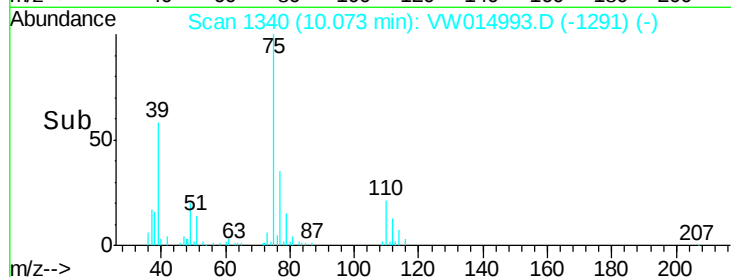
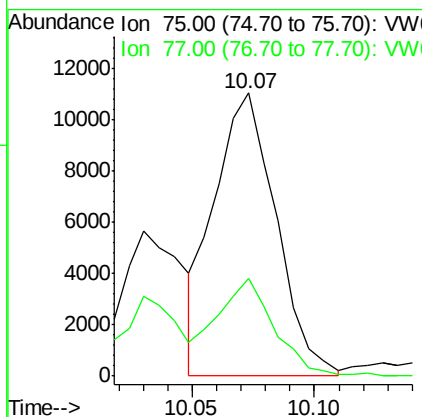
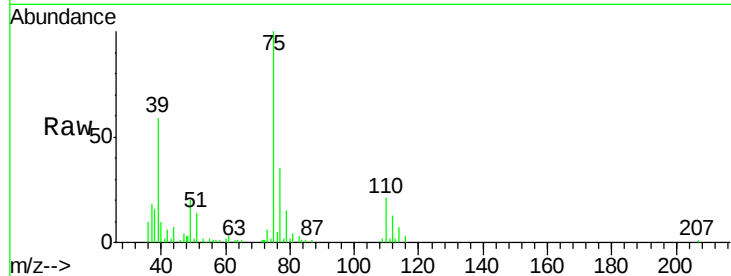
#39
 cis-1,3-Dichloropropene
 Concen: 0.940 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 19344
 Ion Ratio Lower Upper
 75 100
 77 34.5 21.6 40.2

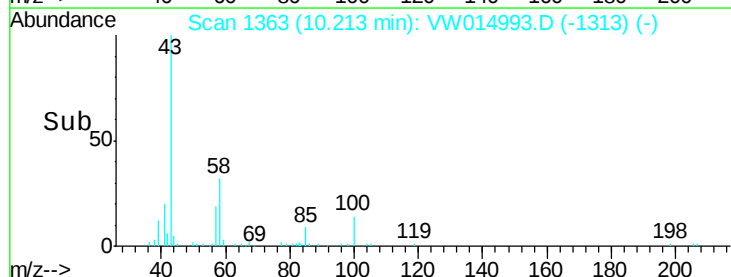
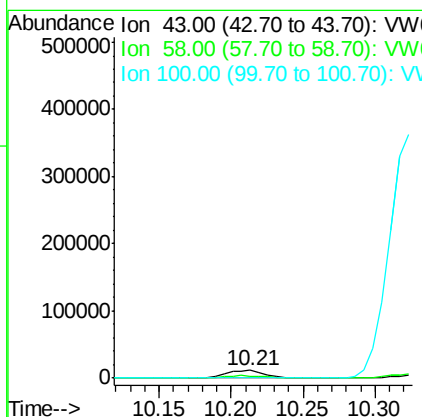
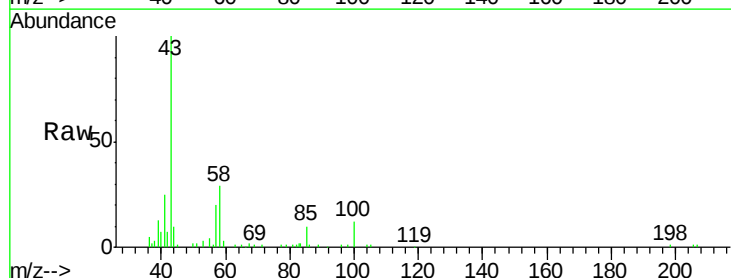
Manual Integrations
 APPROVED

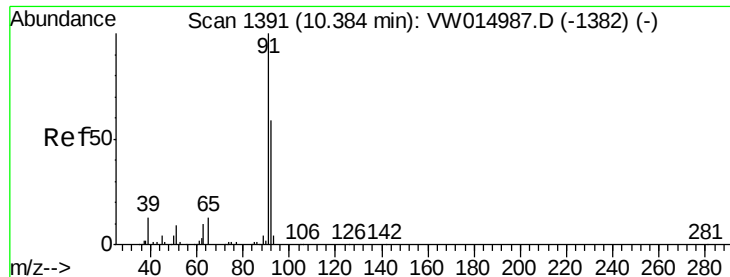
MMDadoda
 2/17/2020 3:46:25 PM



#40
 4-Methyl-2-pentanone
 Concen: 1.996 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion: 43 Resp: 21847
 Ion Ratio Lower Upper
 43 100
 58 34.4 27.7 41.5
 100 10.8 8.6 13.0





#42

Toluene

Concen: 1.058 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 91 Resp: 56262

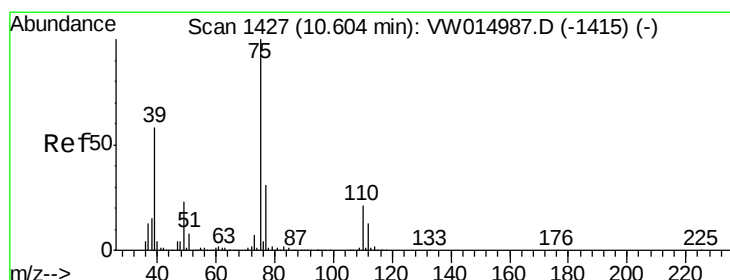
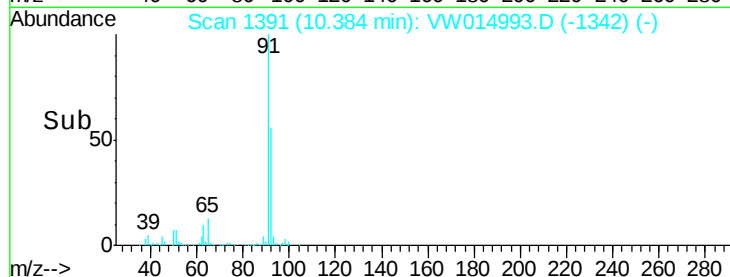
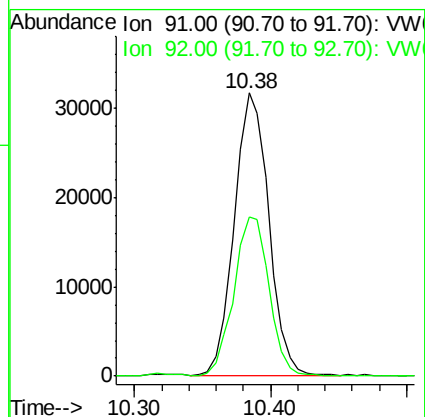
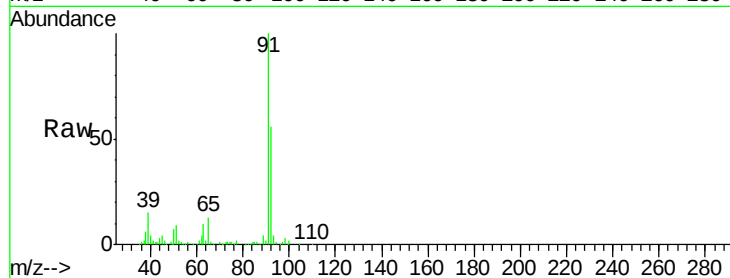
Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.3

Manual Integrations
APPROVED

MMDadoda
2/17/2020 3:46:25 PM



#44

trans-1,3-Dichloropropene

Concen: 1.006 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014993.D

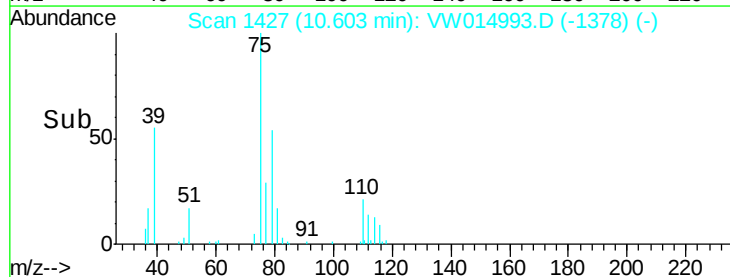
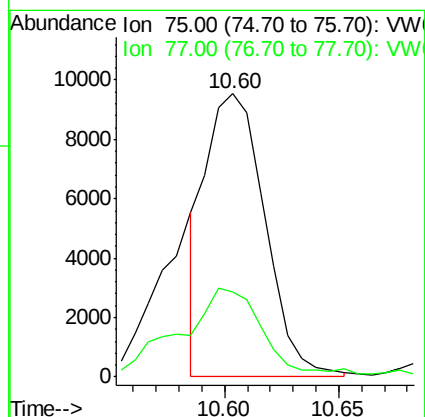
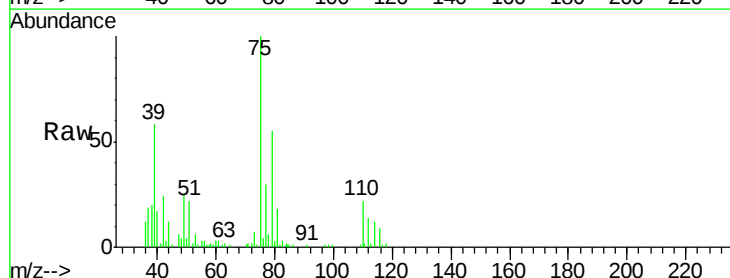
Acq: 14 Feb 2020 13:18

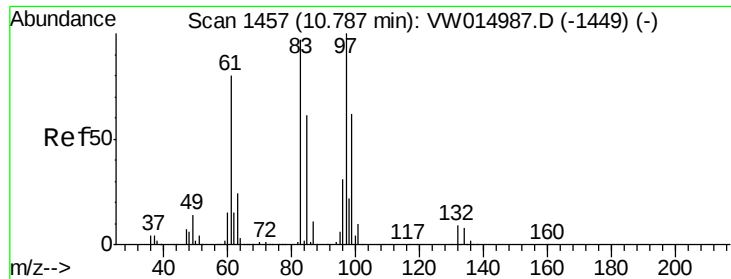
Tgt Ion: 75 Resp: 17158

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 1.012 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

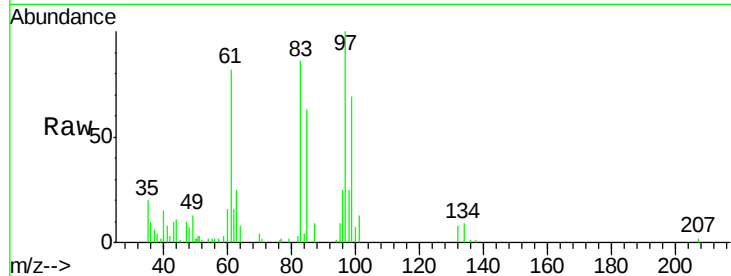
ClientSampled :

MDL06

Tot Ion:	97	Resp:	9442
Ion	Ratio	Lower	Upper
97	100		
99	68.5	44.2	82.0
83	86.0	64.1	119.1
85	63.2	42.1	78.1

Manual Integrations
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MMDadoda
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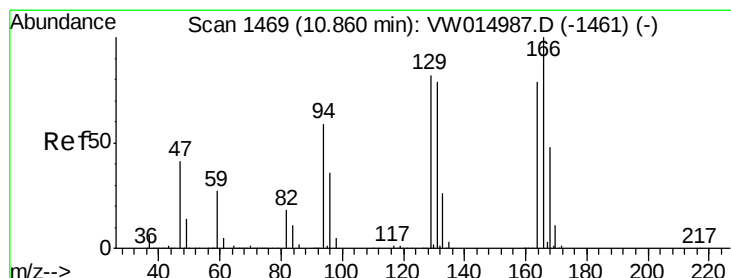
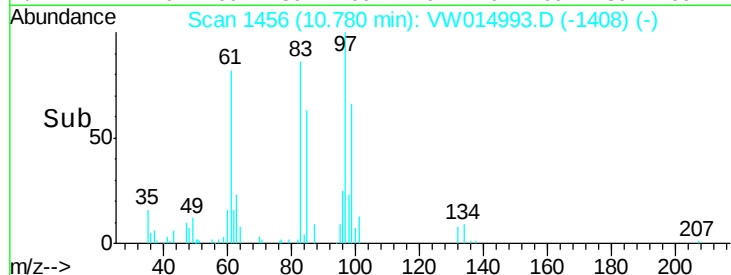
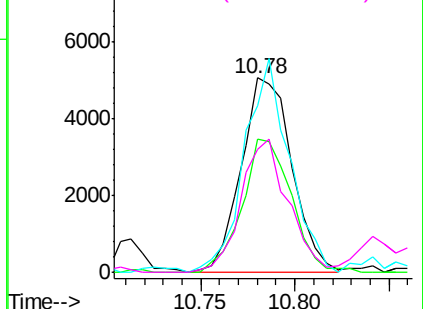
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 0.997 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Tgt Ion:	164	Resp:	8533
Ion	Ratio	Lower	Upper
164	100		
129	93.0	72.2	134.2
131	91.8	68.1	126.5
166	120.5	90.6	168.2

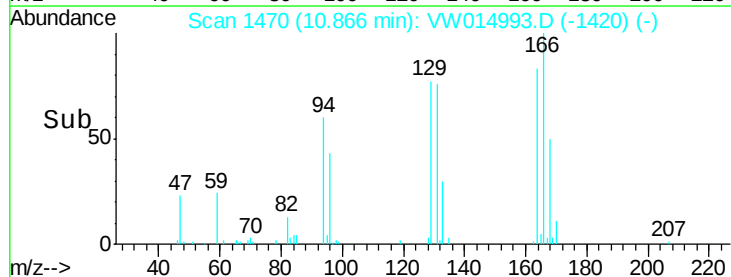
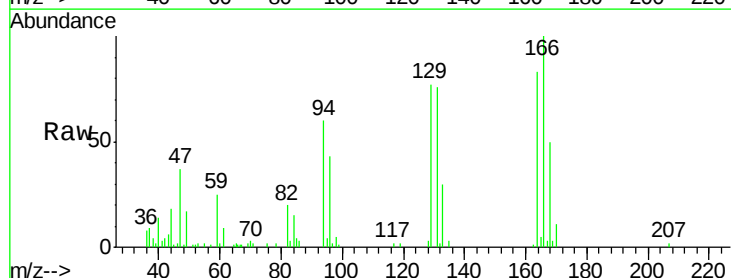
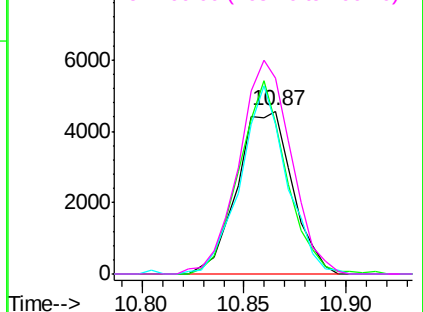
Abundance

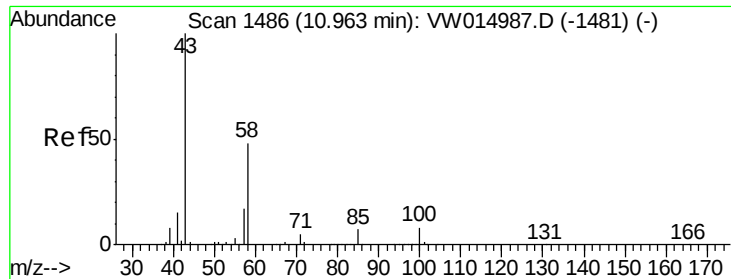
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





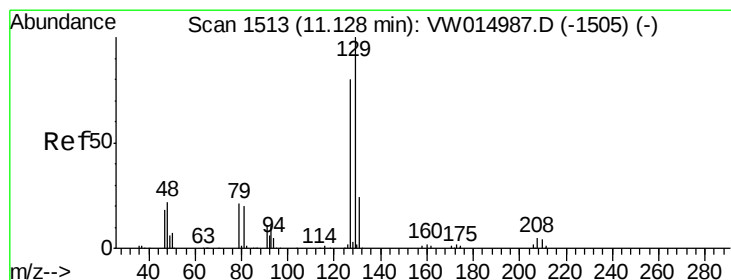
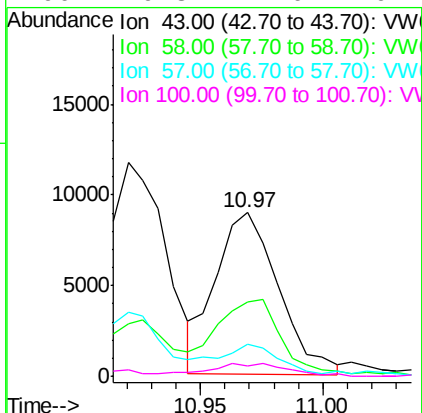
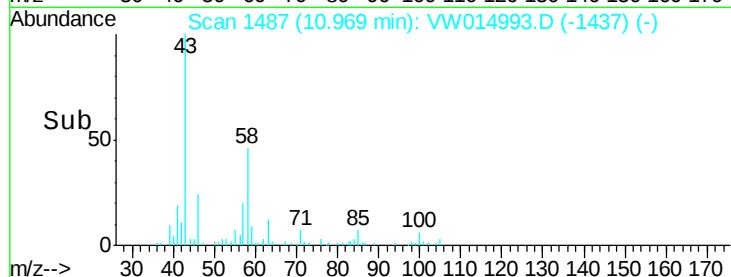
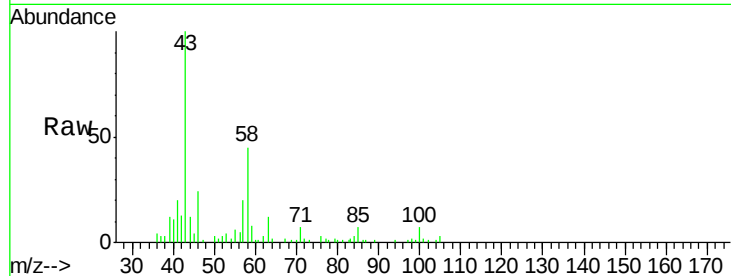
#48
2-Hexanone
Concen: 2.009 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	49.0	39.2	58.8	
57	14.6	13.1	19.7	
100	10.3	7.0	10.4	

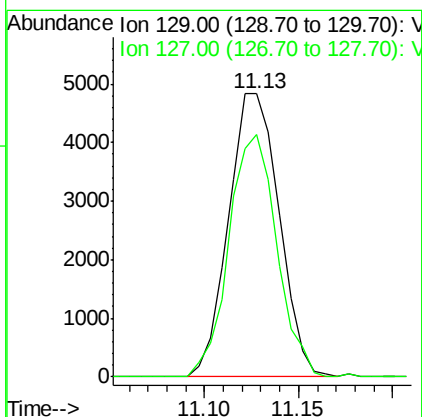
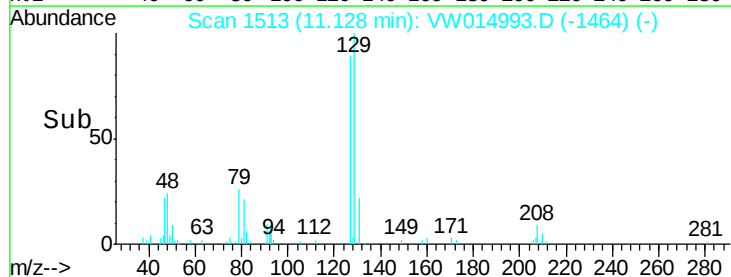
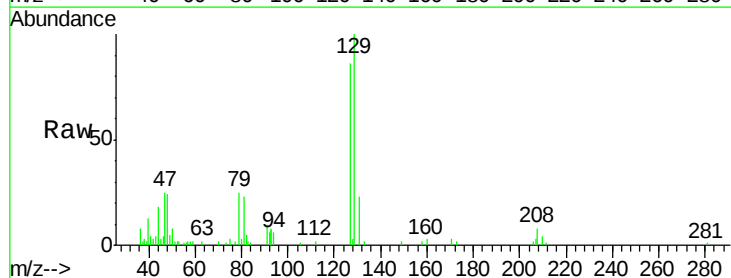
Manual Integrations
APPROVED

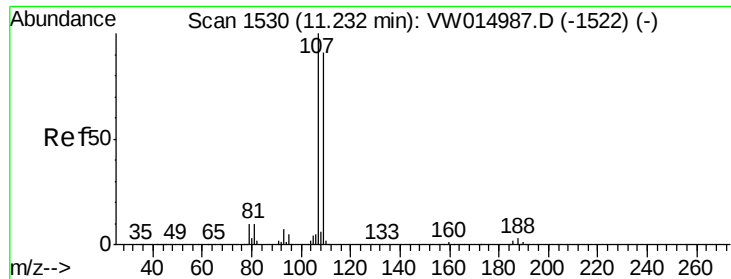
MMDadoda
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#49
Dibromochloromethane
Concen: 0.927 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	85.8	53.0	98.4	





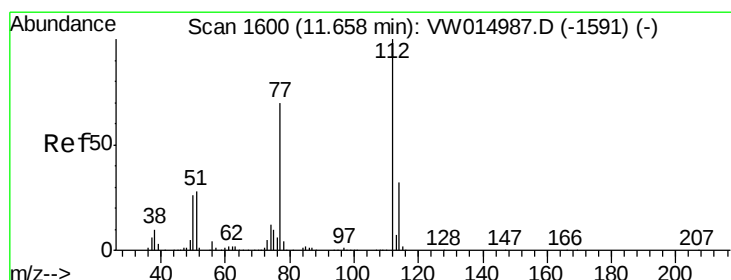
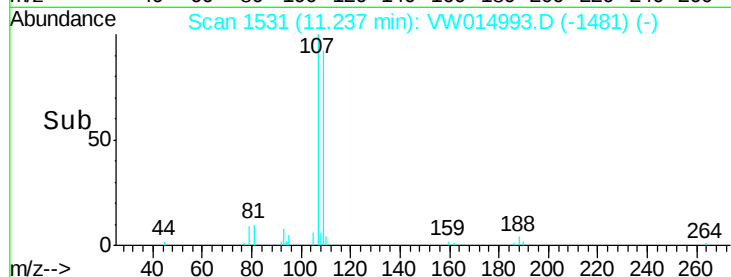
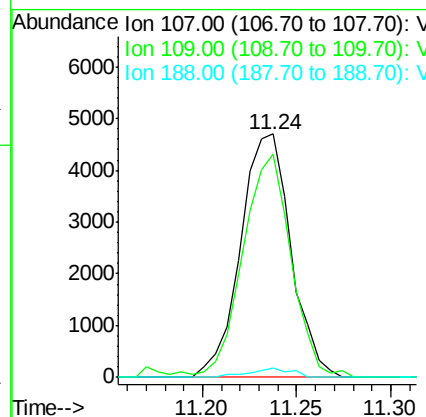
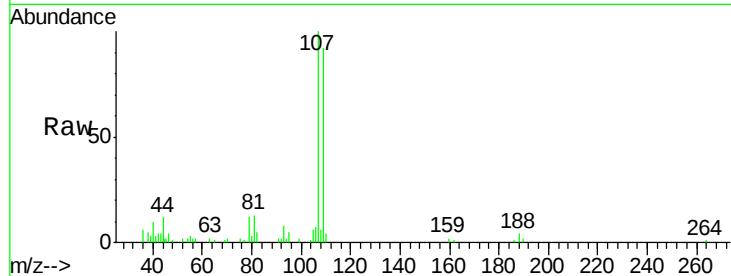
#50
1,2-Dibromoethane
Concen: 1.039 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	65.1	120.9
188	4.0	2.4	3.6#

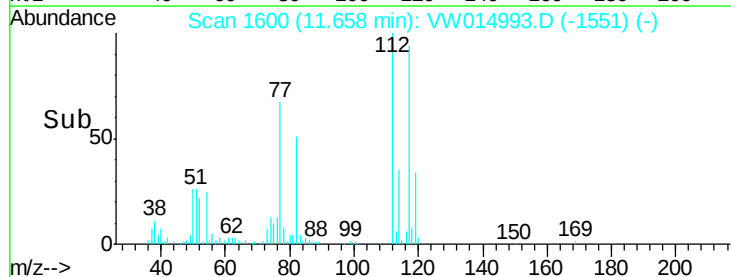
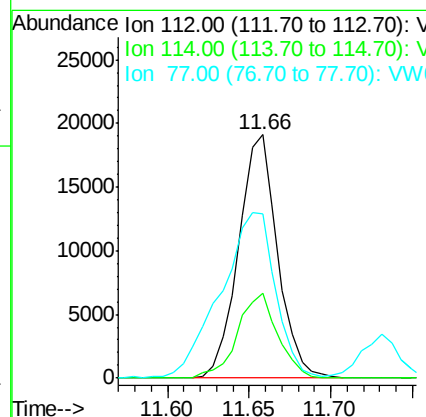
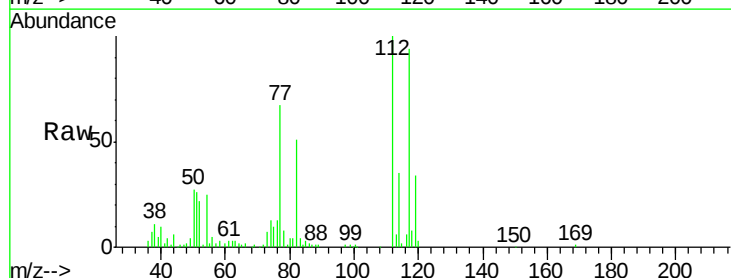
Manual Integrations
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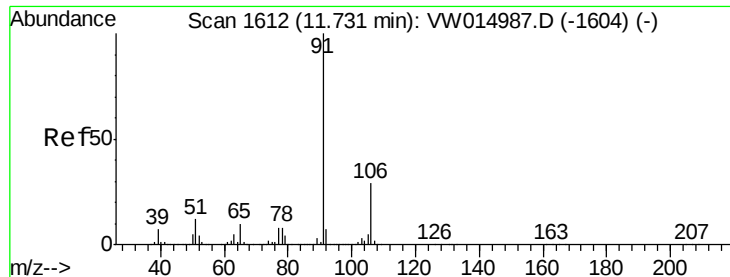
MMDadoda
2/17/2020 3:46:25 PM



#51
Chlorobenzene
Concen: 1.015 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.1	22.6	42.0
77	67.4	54.6	82.0





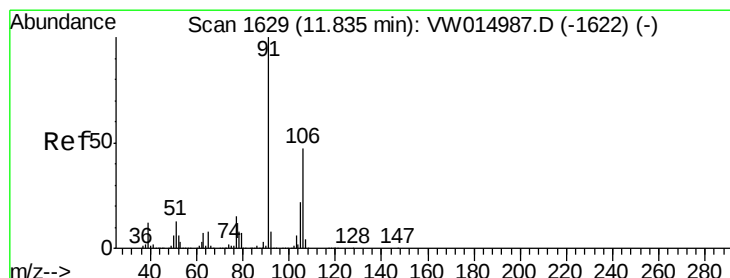
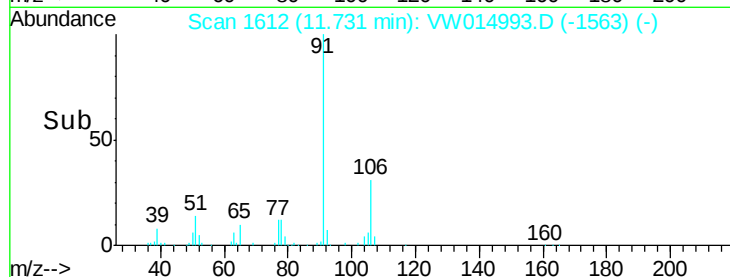
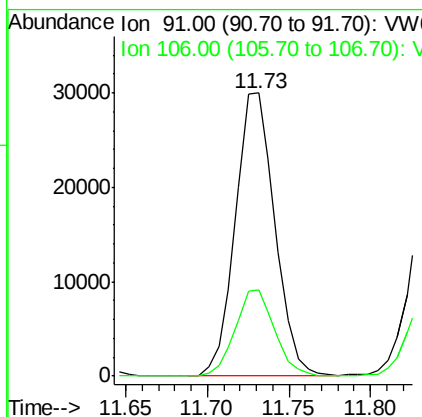
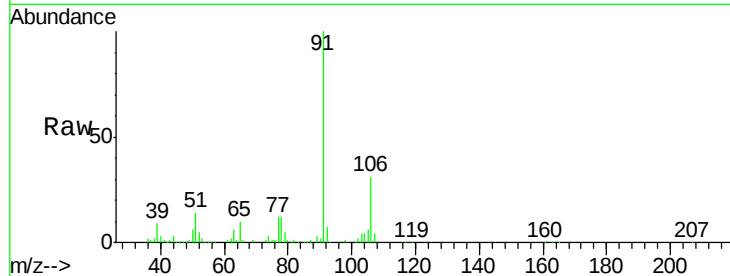
#52
Ethylbenzene
Concen: 0.874 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion: 91 Resp: 50623
Ion Ratio Lower Upper
91 100
106 30.6 20.2 37.4

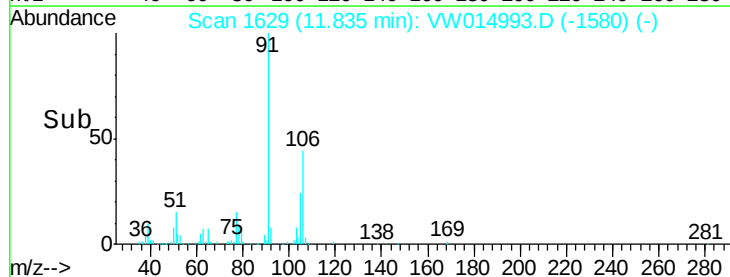
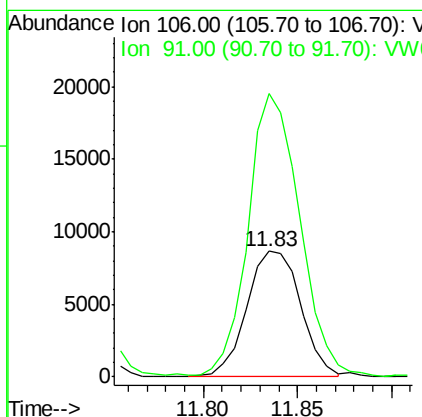
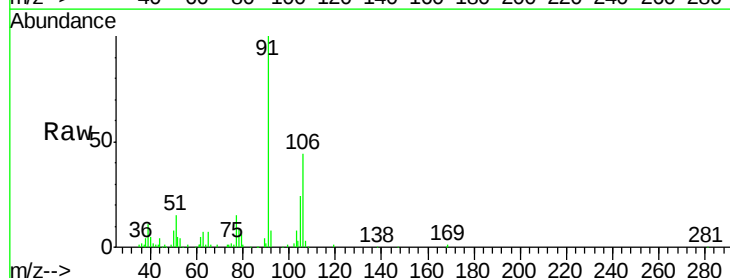
Manual Integrations
APPROVED

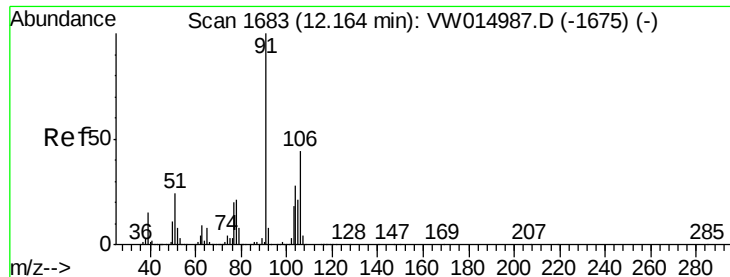
MMDadoda
2/17/2020 3:46:25 PM



#53
m,p-Xylene
Concen: 0.844 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion: 106 Resp: 17164
Ion Ratio Lower Upper
106 100
91 225.6 149.2 277.2





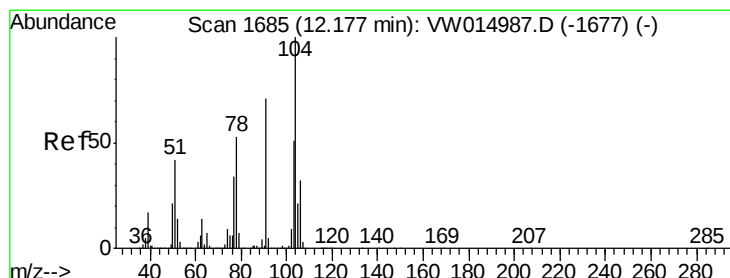
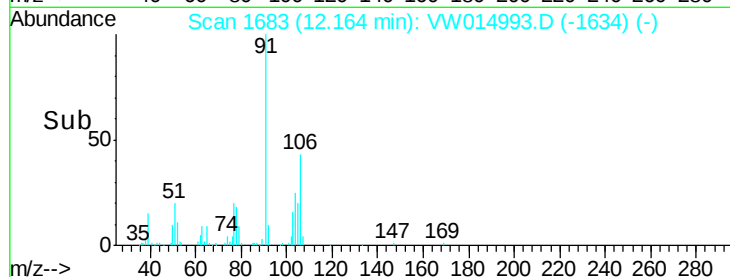
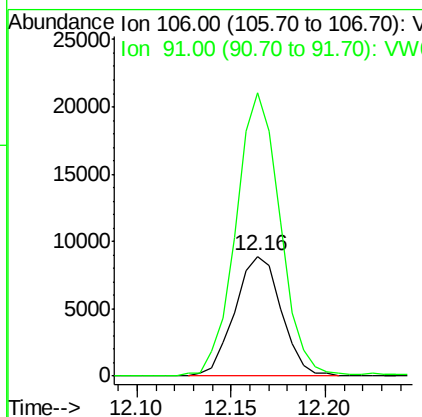
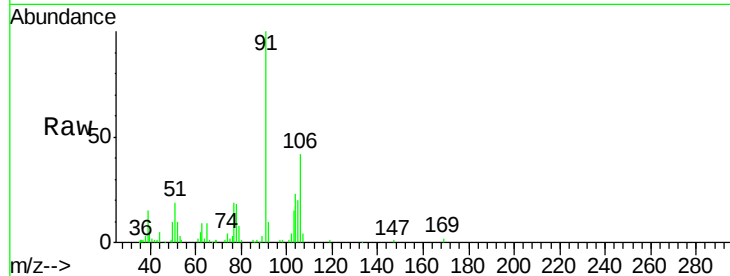
#54
o-Xylene
Concen: 0.797 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion:106 Resp: 15209
Ion Ratio Lower Upper
106 100
91 236.6 163.7 304.1

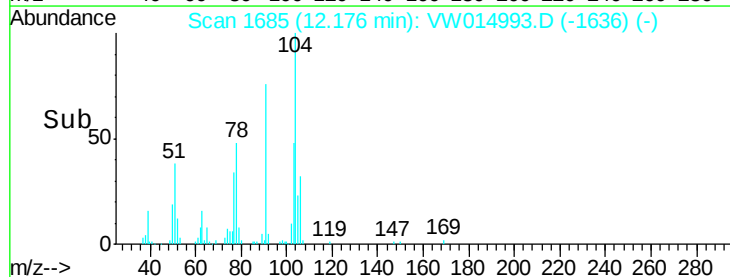
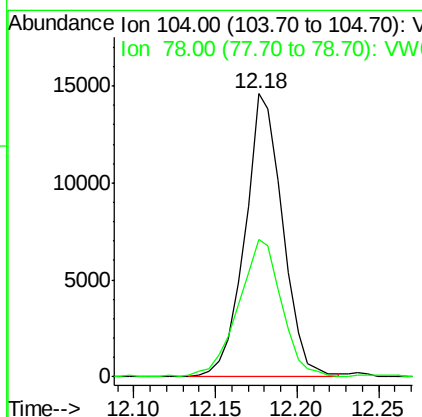
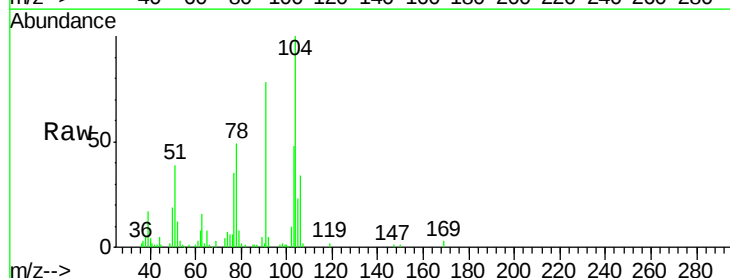
Manual Integrations
APPROVED

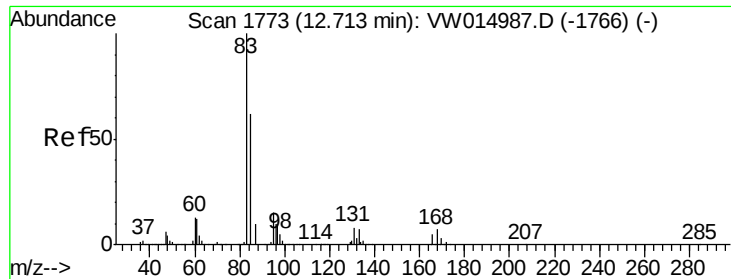
MMDadoda
2/17/2020 3:46:25 PM



#55
Styrene
Concen: 0.715 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion:104 Resp: 23523
Ion Ratio Lower Upper
104 100
78 48.7 36.8 68.4





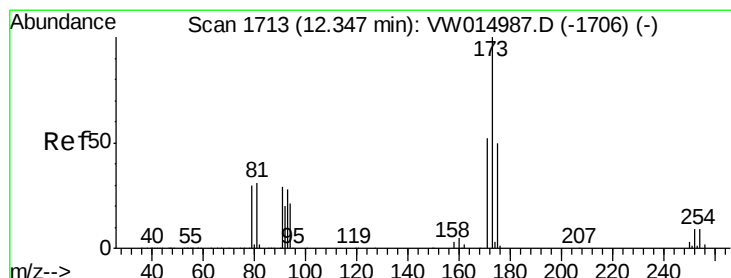
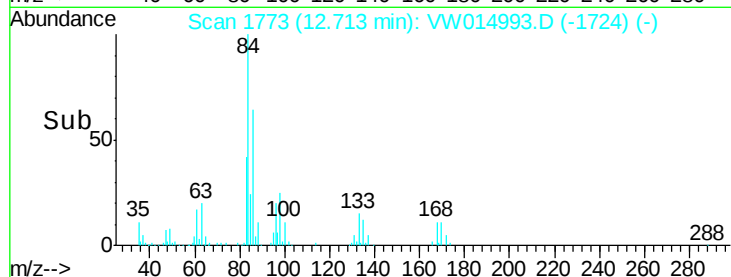
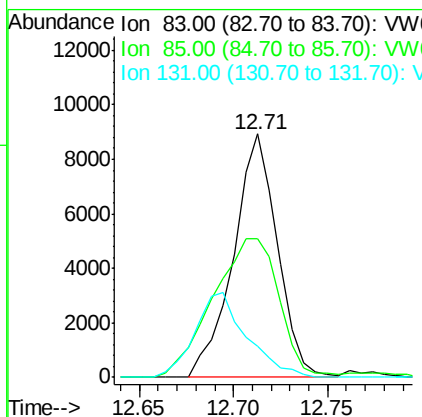
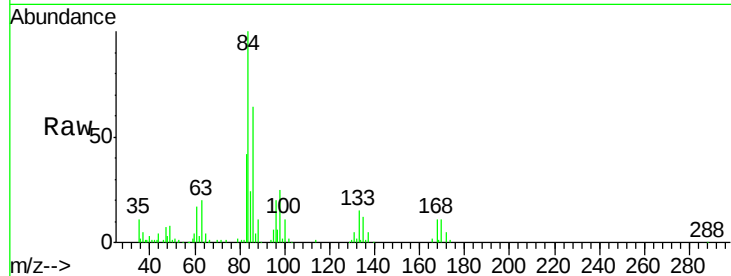
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.158 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
83	100		
85	56.9	44.9	83.5
131	12.6	6.2	9.2#

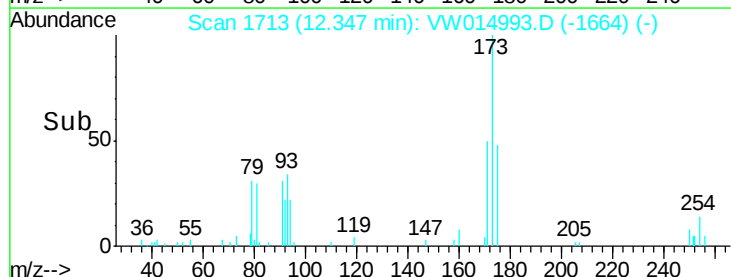
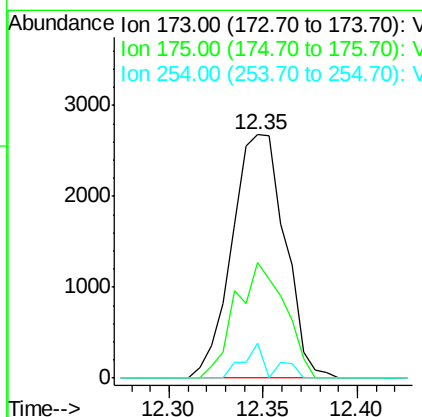
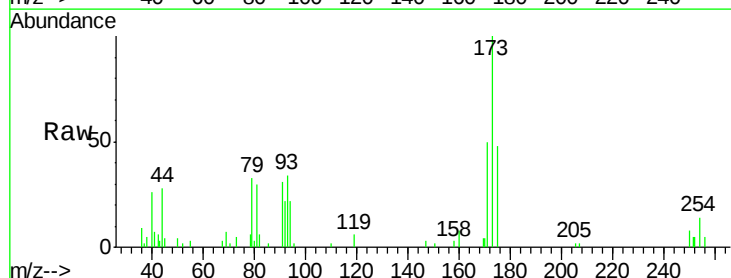
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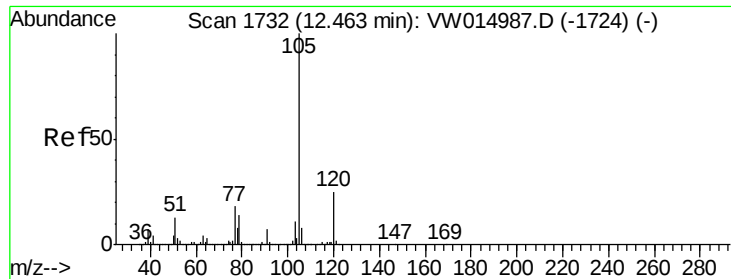
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#59
 Bromoform
 Concen: 1.171 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.4	39.0	58.4
254	5.1	7.1	10.7#





#60

Isopropylbenzene

Concen: 0.822 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

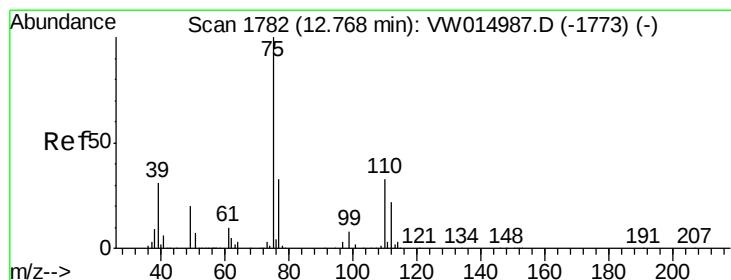
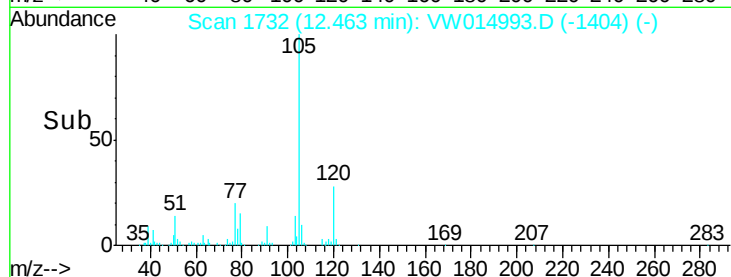
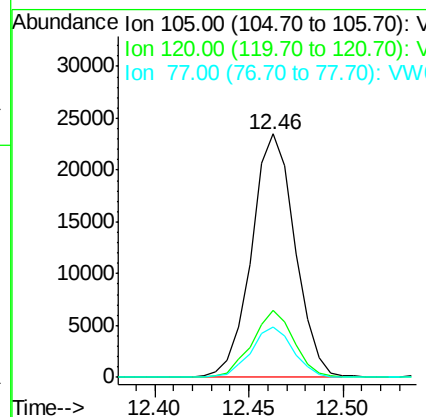
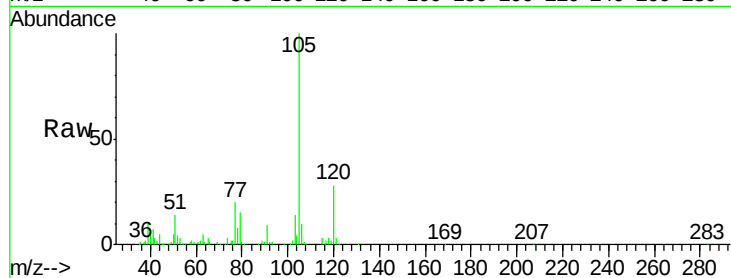
ClientSampleId :

MDL06

Tot Ion:	105	Resp:	37554
Ion Ratio		Lower	Upper
105	100		
120	26.3	20.1	30.1
77	20.2	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 1.219 ug/L

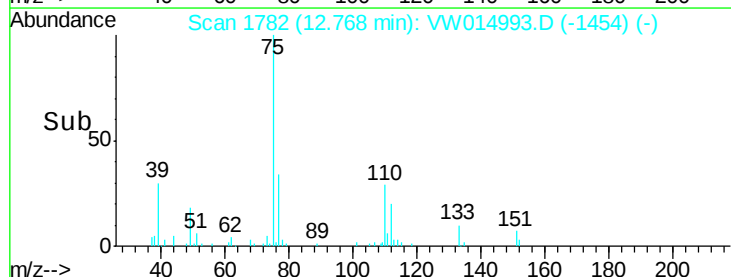
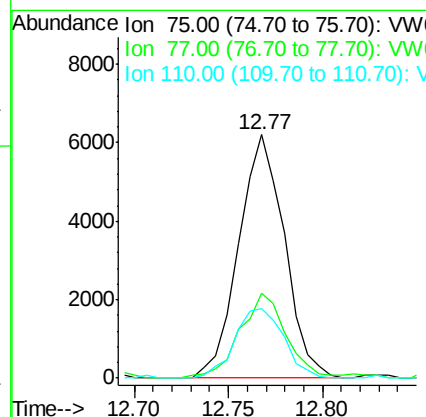
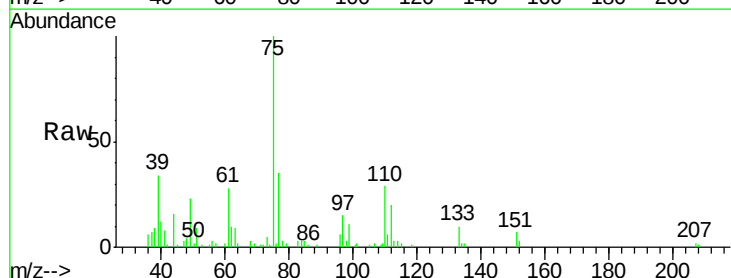
RT: 12.77 min Scan# 1782

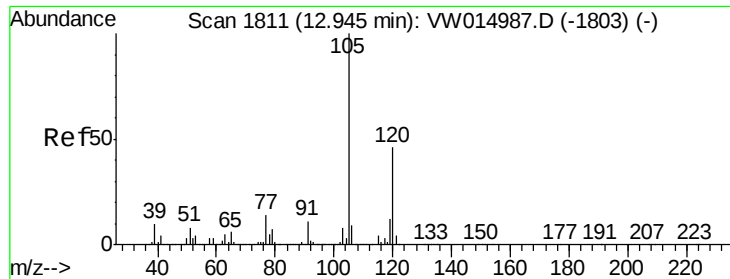
Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Tgt Ion:	75	Resp:	10420
Ion Ratio		Lower	Upper
75	100		
77	35.2	25.8	38.6
110	30.5	26.6	39.8





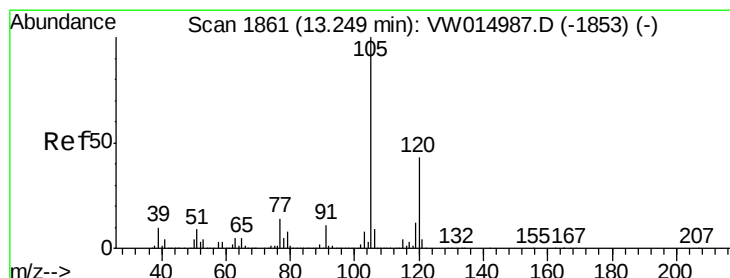
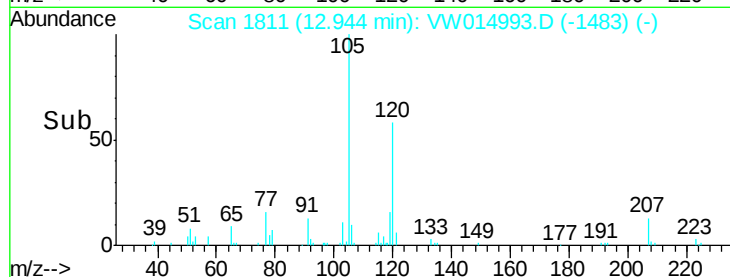
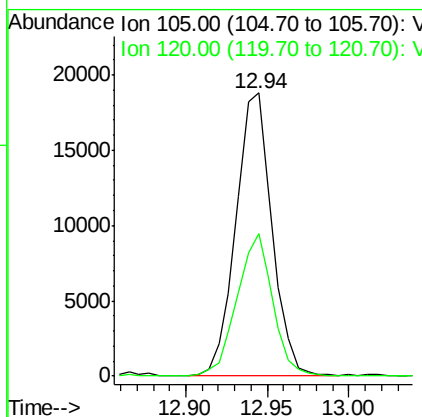
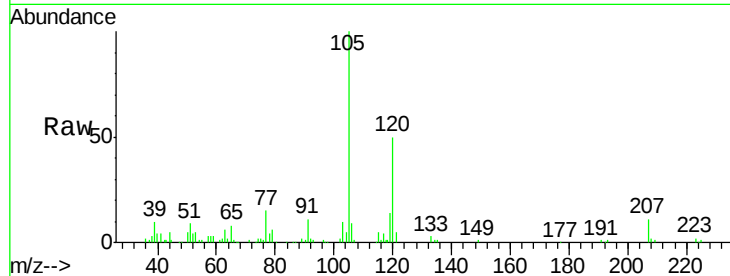
#62
 1,3,5-Trimethylbenzene
 Concen: 0.798 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion:105 Resp: 29073
 Ion Ratio Lower Upper
 105 100
 120 49.4 37.4 56.0

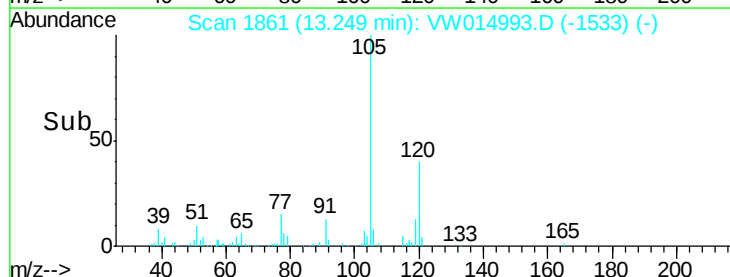
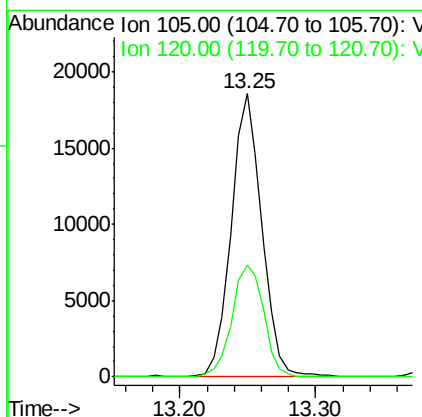
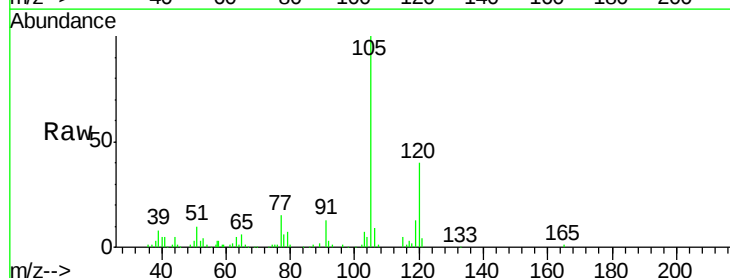
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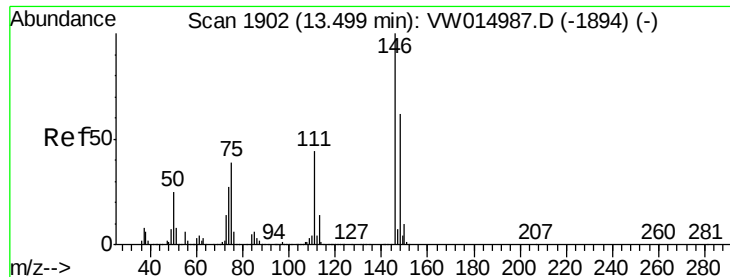
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.812 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion:105 Resp: 28930
 Ion Ratio Lower Upper
 105 100
 120 41.0 35.0 52.4





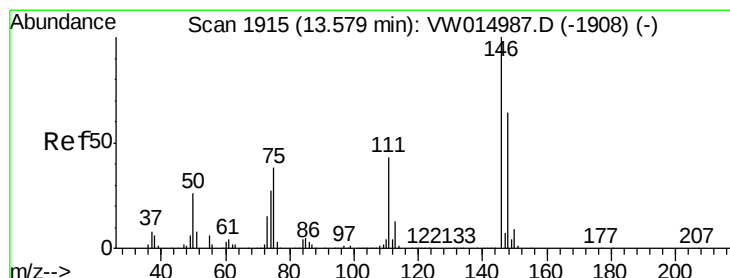
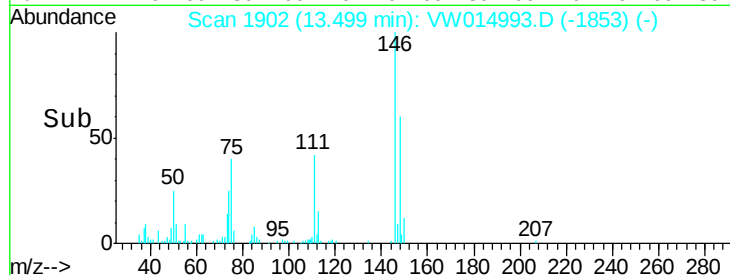
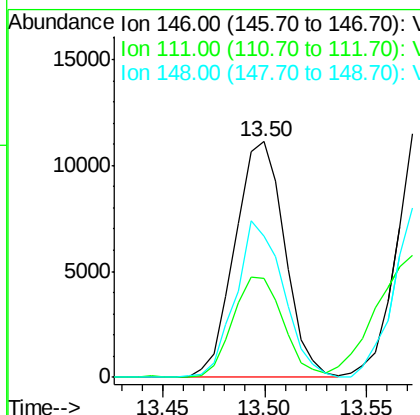
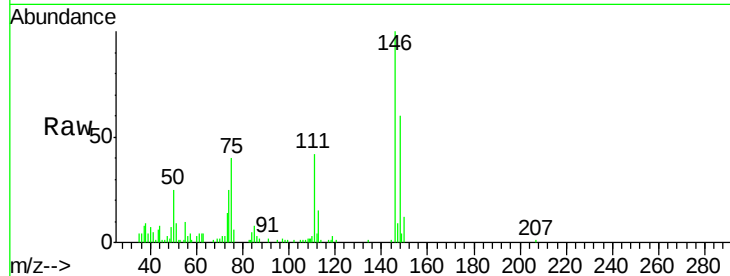
#64
1,3-Dichlorobenzene
Concen: 1.002 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	30.2	56.0
148	59.9	44.2	82.2

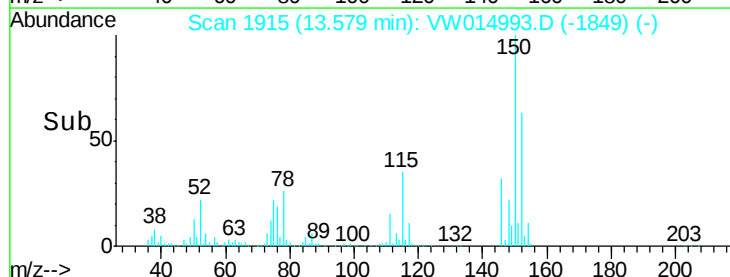
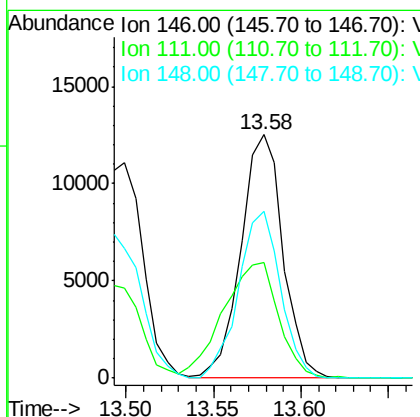
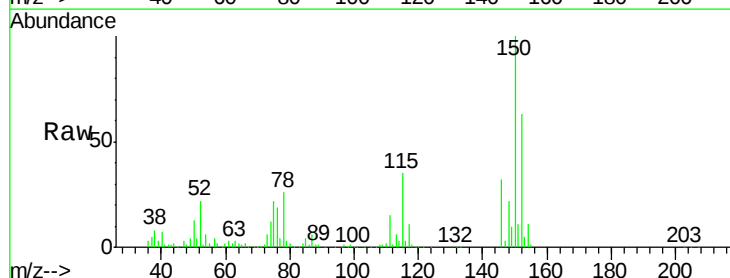
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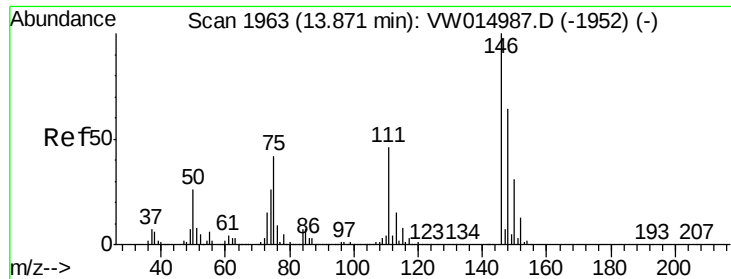
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#65
1,4-Dichlorobenzene
Concen: 1.078 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW014993.D
Acq: 14 Feb 2020 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	29.5	54.9
148	68.4	43.8	81.3





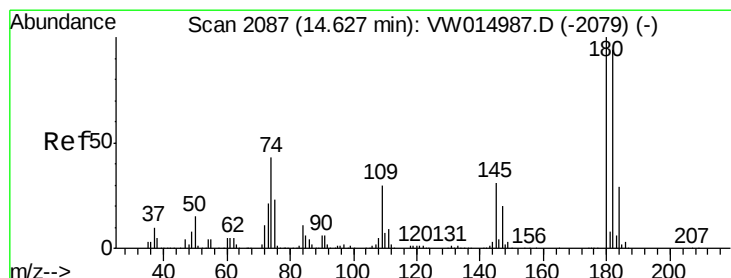
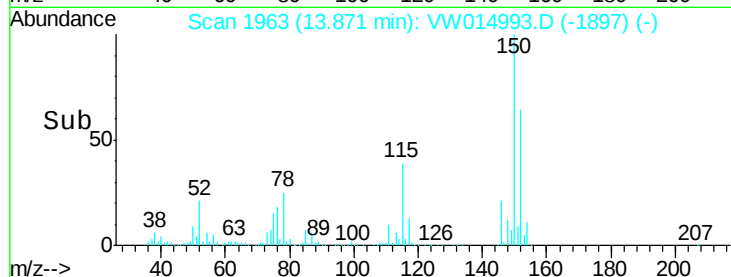
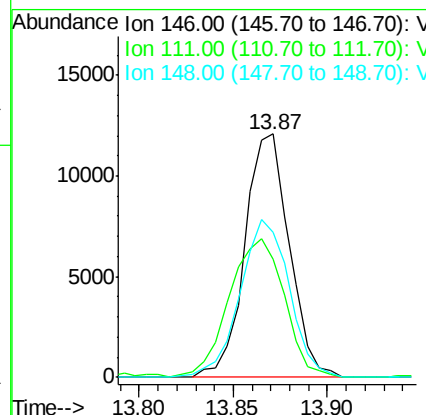
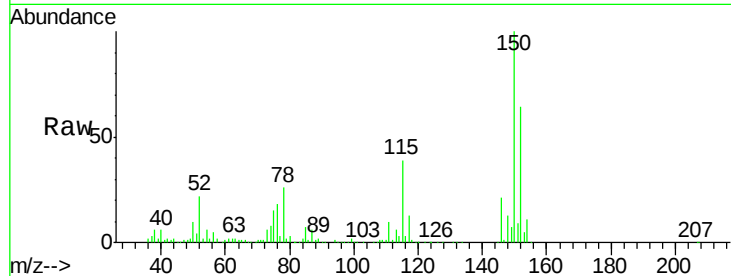
#67
 1,2-Dichlorobenzene
 Concen: 1.135 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	38.0	57.0
148	59.5	49.5	74.3

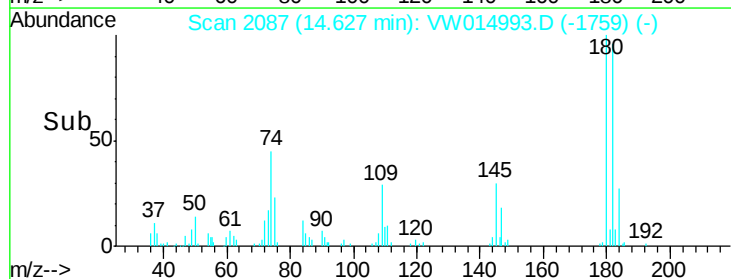
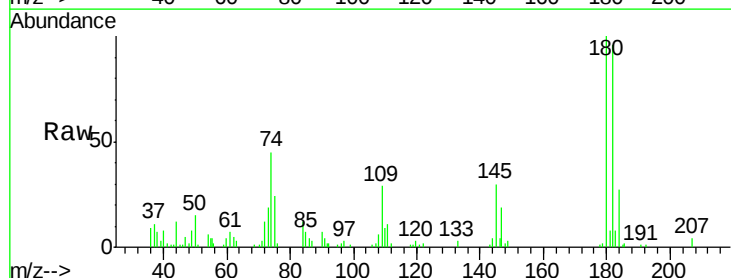
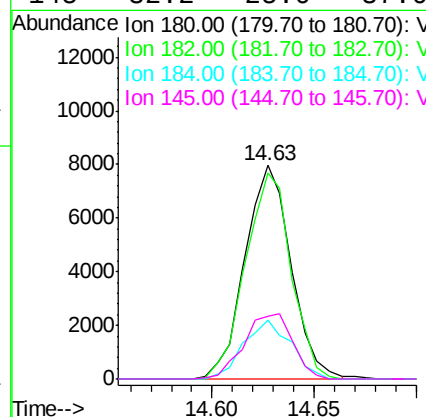
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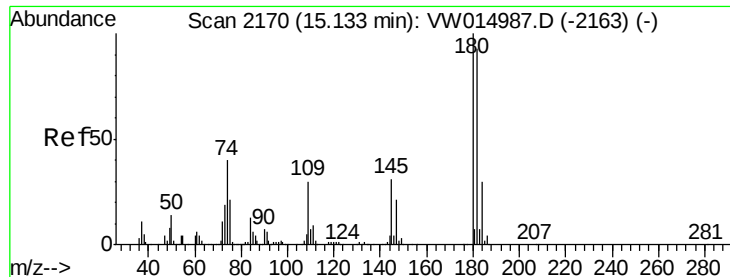
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#69
 1,3,5-Trichlorobenzene
 Concen: 0.993 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.5	114.7
184	28.1	24.2	36.2
145	32.2	25.0	37.6





#70

1,2,4-trichlorobenzene

Concen: 0.860 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Instrument :

MSVOA_W

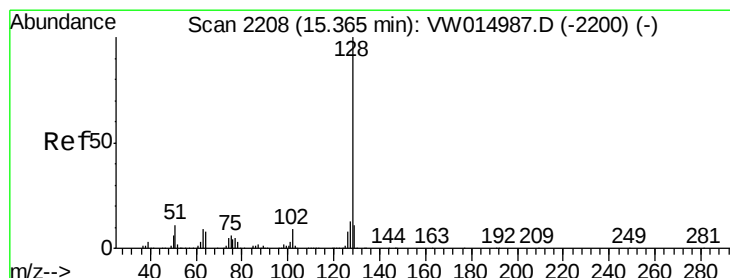
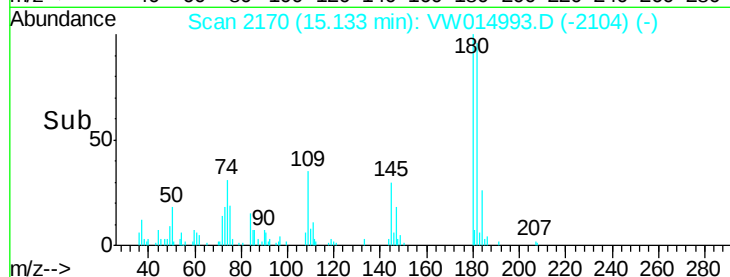
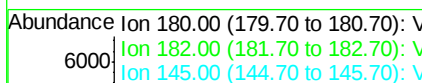
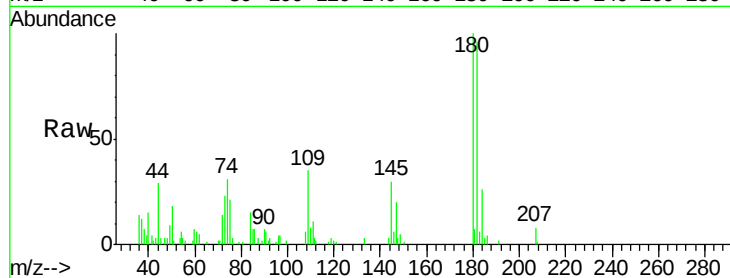
ClientSampleId :

MDL06

Tot Ion:	180	Resp:	8132
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.2	114.4
145	33.0	26.2	39.4

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#71

Naphthalene

Concen: 0.703 ug/L

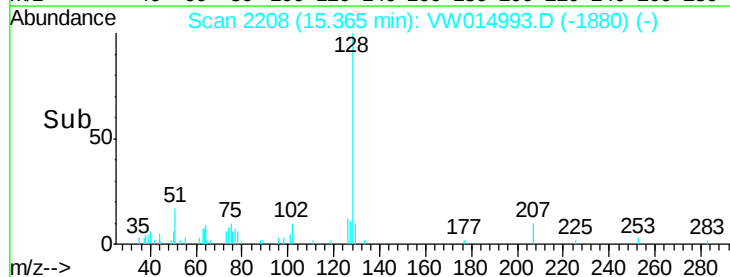
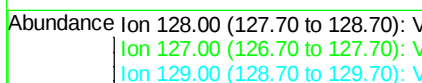
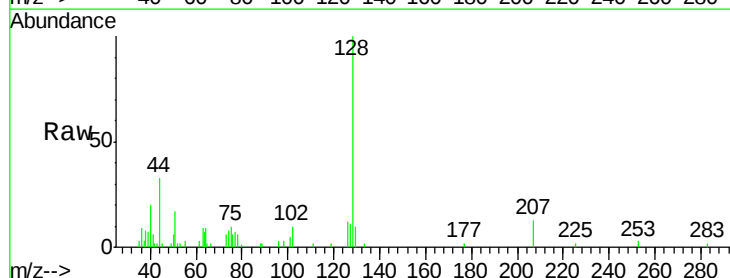
RT: 15.36 min Scan# 2208

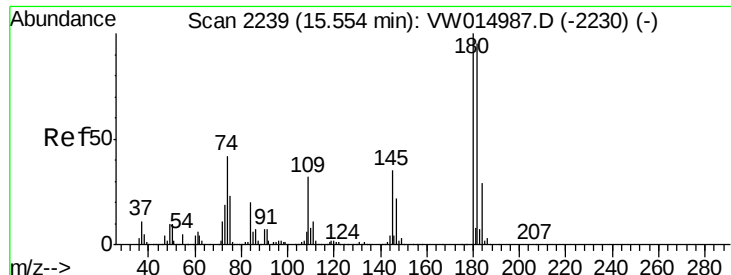
Delta R.T. -0.00 min

Lab File: VW014993.D

Acq: 14 Feb 2020 13:18

Tgt Ion:	128	Resp:	6829
Ion Ratio	Lower	Upper	
128	100		
127	16.2	10.5	15.7#
129	12.4	8.6	12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.904 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW014993.D
 Acq: 14 Feb 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.9	75.2	112.8
145	20.0	27.0	40.6

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