

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010521\
 Data File : VW017792.D
 Acq On : 05 Jan 2021 12:07
 Operator : SY/VA
 Sample : L5214-04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL-SOIL-QT1-2021-02

Manual Integrations
 APPROVED

MMDadoda
 1/6/2021 5:24:07 PM

Quant Time: Jan 06 15:00:44 2021
 Quant Title :
 QLast Update : Wed Jan 06 17:02:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	256441	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	233740	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	115734	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102433	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.00%
7) Chloroethane-d5	2.89	69	86551	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	4.02	63	137923	18.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.20%
21) 2-Butanone-d5	7.08	46	56871	51.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.32%
24) Chloroform-d	7.65	84	173265	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.31	65	105686	25.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.32%
32) Benzene-d6	8.27	84	344331	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
36) 1,2-Dichloropropane-d6	9.27	67	98384	25.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	10.32	98	325013	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	10.58	79	44885	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.40%
47) 2-Hexanone-d5	10.93	63	38369	53.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.00%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	94180	25.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.48%
66) 1,2-Dichlorobenzene-d4	13.85	152	106716	24.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	2649m	0.857 ug/L	
3) Chloromethane	2.21	50	2851	1.061 ug/L	99
5) Vinyl chloride	2.36	62	4449	1.004 ug/L	# 45
6) Bromomethane	2.78	94	3085	0.787 ug/L	98
8) Chloroethane	2.93	64	2600	0.887 ug/L	# 76
9) Trichlorofluoromethane	3.26	101	2142m	0.711 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	3858m	1.117 ug/L	
12) 1,1-Dichloroethene	4.04	96	3848m	1.175 ug/L	
13) Acetone	4.14	43	1559m	2.086 ug/L	
14) Carbon disulfide	4.39	76	7595	0.809 ug/L	97
15) Methyl Acetate	4.68	43	1684m	1.043 ug/L	
16) Methylene chloride	4.92	84	7794	1.885 ug/L	93
17) trans-1,2-Dichloroethene	5.42	96	3159m	0.900 ug/L	
18) Methyl tert-butyl Ether	5.43	73	4071m	0.910 ug/L	
19) 1,1-Dichloroethane	6.21	63	5445	0.875 ug/L	95
20) cis-1,2-Dichloroethene	7.17	96	3145m	0.837 ug/L	
22) 2-Butanone	7.18	43	3217m	2.590 ug/L	
23) Bromochloromethane	7.51	128	1516m	0.882 ug/L	

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25) Chloroform	7.68	83	6799	1.031	ug/L	82
27) 1,2-Dichloroethane	8.40	62	4698	0.997	ug/L #	67
29) Cyclohexane	7.96	56	4707	0.858	ug/L #	68
30) 1,1,1-Trichloroethane	7.87	97	4614	0.858	ug/L #	40
31) Carbon tetrachloride	8.07	117	4513	0.894	ug/L	95
33) Benzene	8.32	78	11644	0.853	ug/L	100
34) Trichloroethene	9.09	95	3427	0.919	ug/L	86
35) Methylcyclohexane	9.34	83	5162	0.809	ug/L	95
37) 1,2-Dichloropropane	9.37	63	3222	0.975	ug/L #	85
38) Bromodichloromethane	9.65	83	4168	0.893	ug/L #	83
39) cis-1,3-Dichloropropene	10.07	75	4465m	0.847	ug/L	
40) 4-Methyl-2-pentanone	10.22	43	4535	1.934	ug/L	95
42) Toluene	10.39	91	13794	0.892	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	4231m	0.880	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	2720	0.981	ug/L	87
46) Tetrachloroethene	10.87	164	2755	0.964	ug/L	84
48) 2-Hexanone	10.97	43	3802m	2.314	ug/L	
49) Dibromochloromethane	11.13	129	2520	0.792	ug/L	90
50) 1,2-Dibromoethane	11.24	107	2685	0.980	ug/L #	89
51) Chlorobenzene	11.66	112	8735	0.890	ug/L	95
52) Ethylbenzene	11.73	91	15013	0.850	ug/L	96
53) m,p-Xylene	11.83	106	5545	0.812	ug/L	94
54) o-Xylene	12.16	106	4990	0.774	ug/L	98
55) Styrene	12.18	104	8283	0.751	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	3850	1.068	ug/L #	84
59) Bromoform	12.35	173	1438	0.830	ug/L #	94
60) Isopropylbenzene	12.46	105	13826	0.819	ug/L	96
61) 1,2,3-Trichloropropane	12.77	75	2405	0.946	ug/L	94
62) 1,3,5-Trimethylbenzene	12.94	105	10804	0.804	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	10807	0.790	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	6284	0.862	ug/L	93
65) 1,4-Dichlorobenzene	13.58	146	6976	0.963	ug/L	92
67) 1,2-Dichlorobenzene	13.87	146	6557	1.002	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.63	180	4382m	0.888	ug/L	
70) 1,2,4-trichlorobenzene	15.13	180	3740	0.876	ug/L	95
71) Naphthalene	15.36	128	8645	0.878	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	3405	0.907	ug/L	96

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

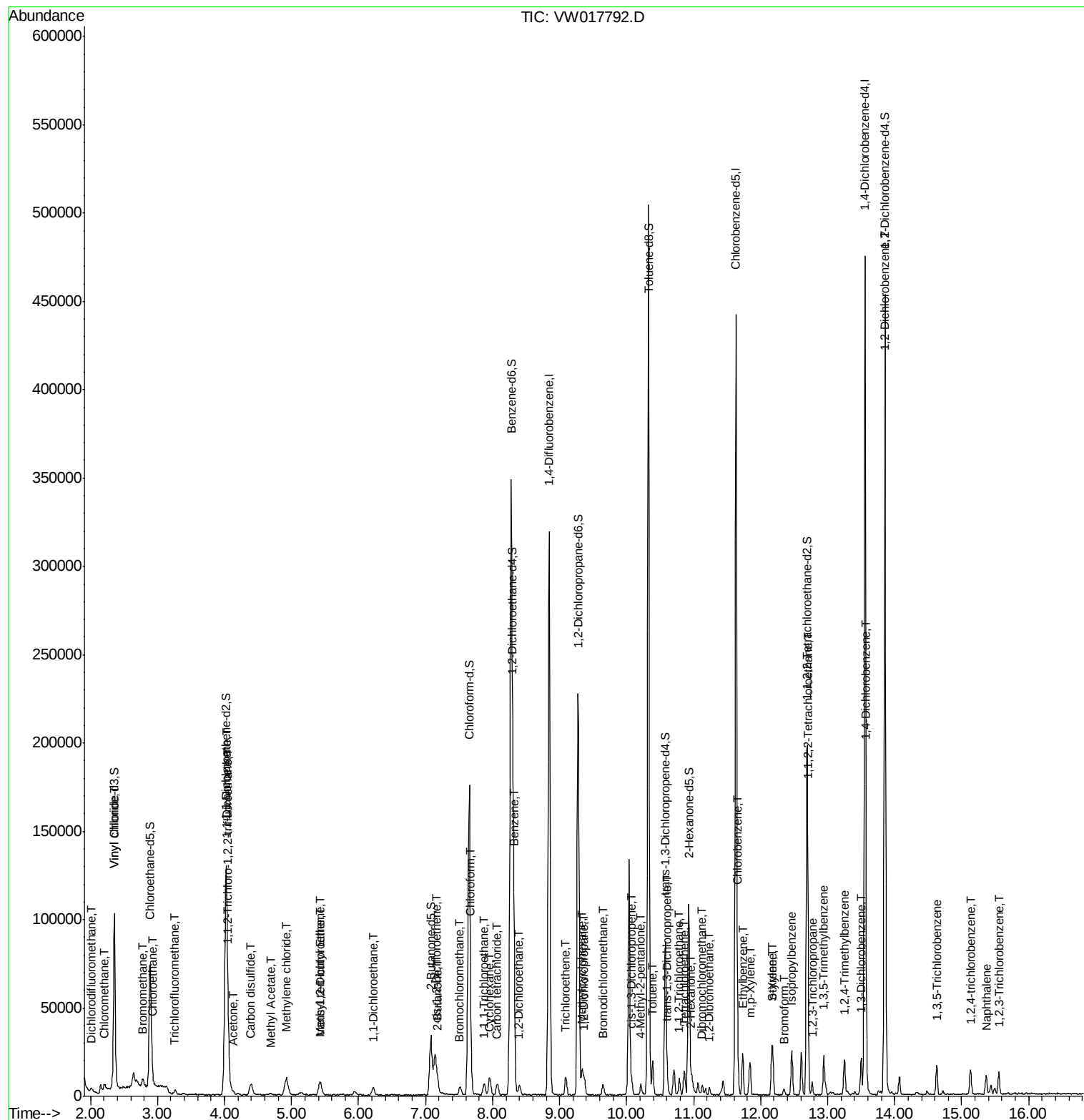
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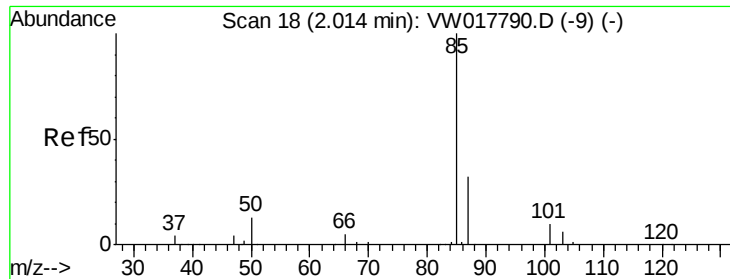
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#2

Dichlorodifluoromethane

Concen: 0.857 ug/L m

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 85 Resp: 2649

Ion Ratio Lower Upper

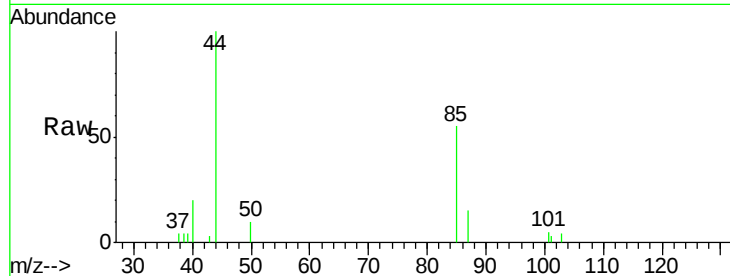
85 100

87 24.2 23.3 34.9

Manual Integrations
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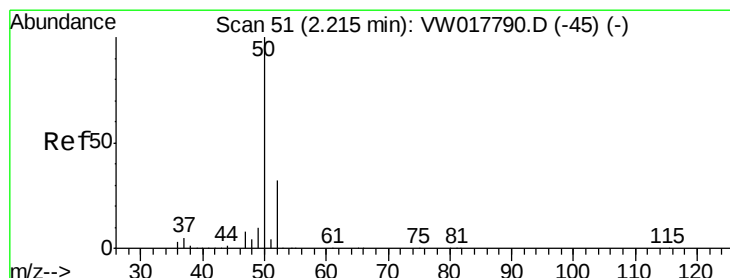
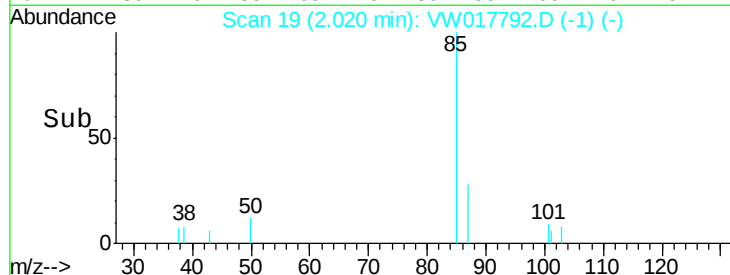
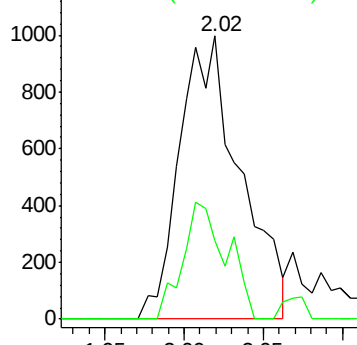
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Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.061 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017792.D

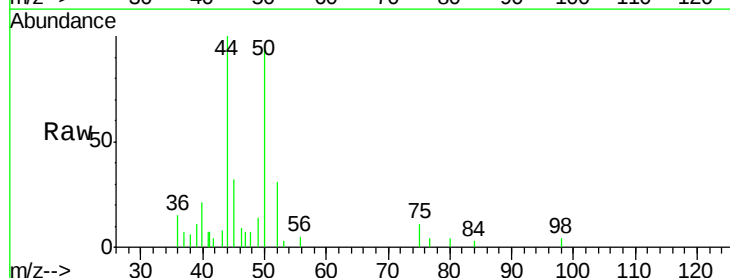
Acq: 05 Jan 2021 12:07

Tgt Ion: 50 Resp: 2851

Ion Ratio Lower Upper

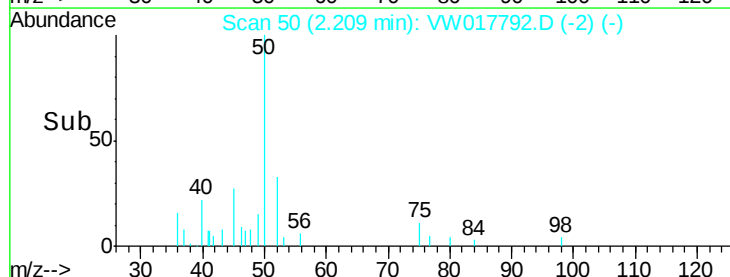
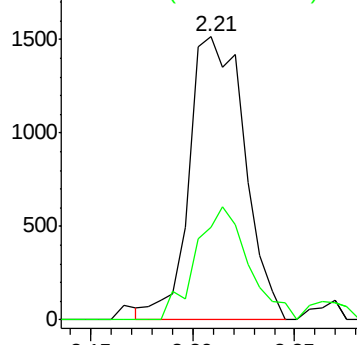
50 100

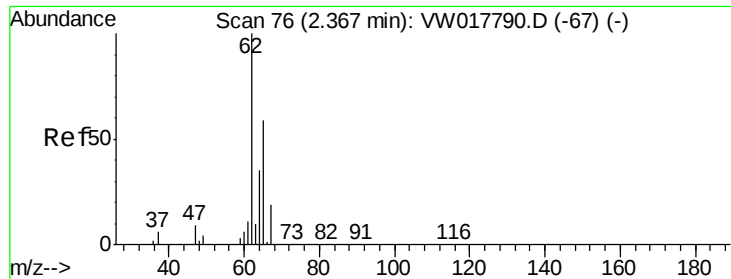
52 32.8 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.004 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 62 Resp: 4449

Ion Ratio Lower Upper

62 100

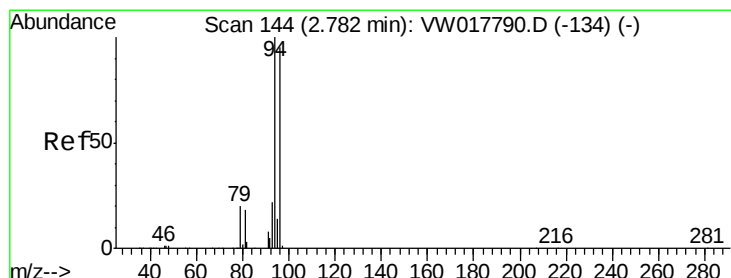
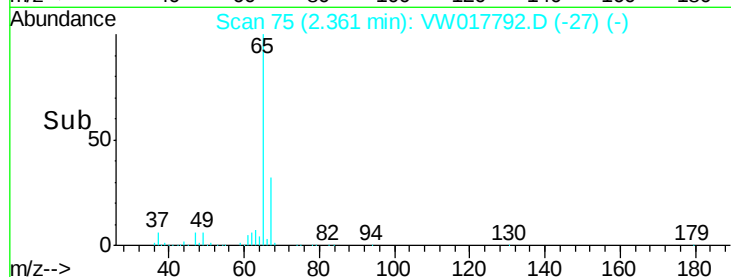
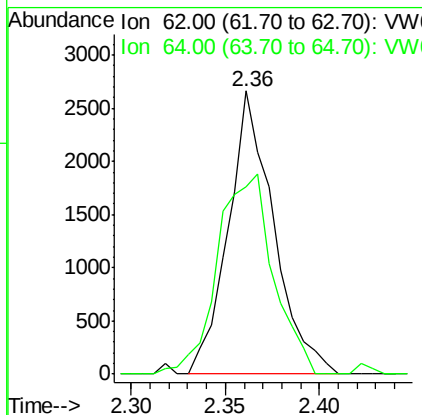
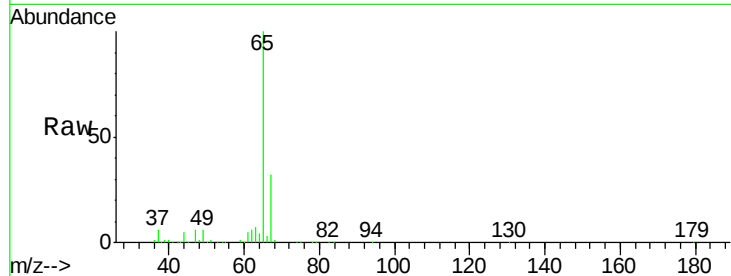
64 66.1 24.2 45.0#

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#6

Bromomethane

Concen: 0.787 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017792.D

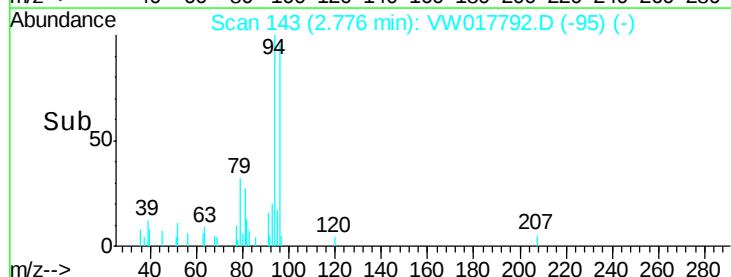
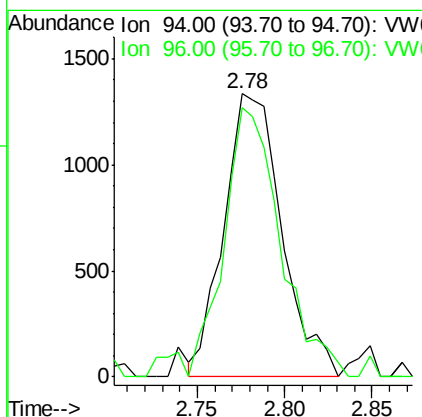
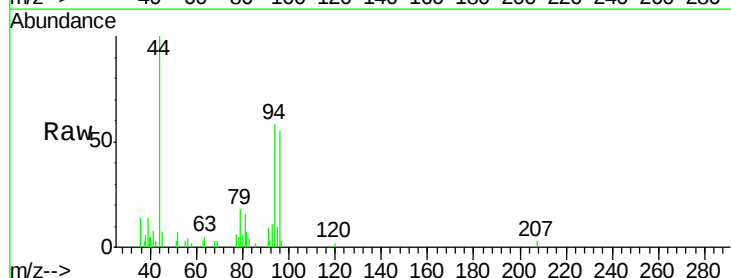
Acq: 05 Jan 2021 12:07

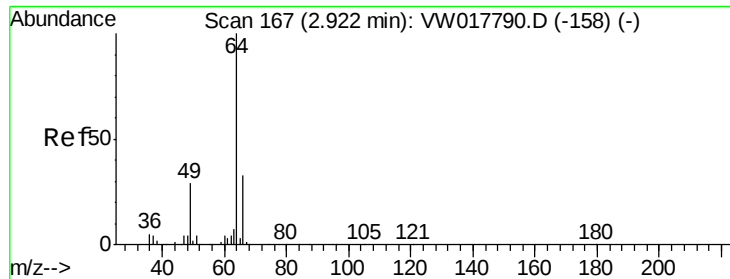
Tgt Ion: 94 Resp: 3085

Ion Ratio Lower Upper

94 100

96 95.3 65.3 121.3





#8

Chloroethane

Concen: 0.887 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 64 Resp: 2600

Ion Ratio Lower Upper

64 100

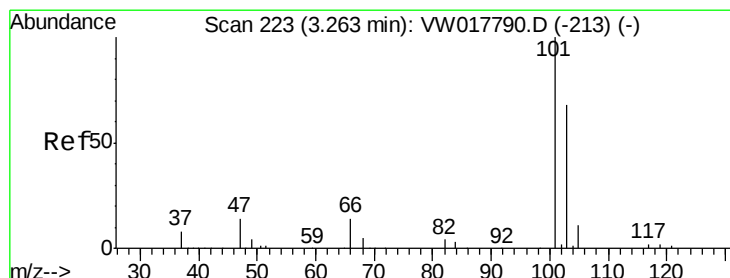
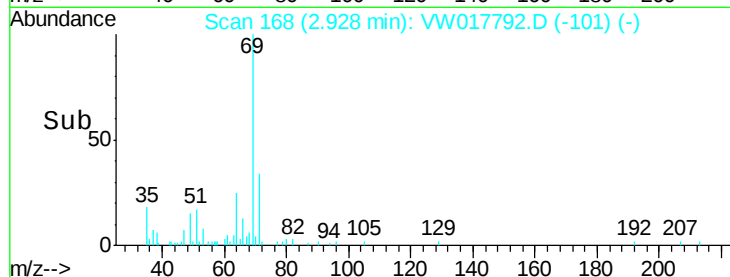
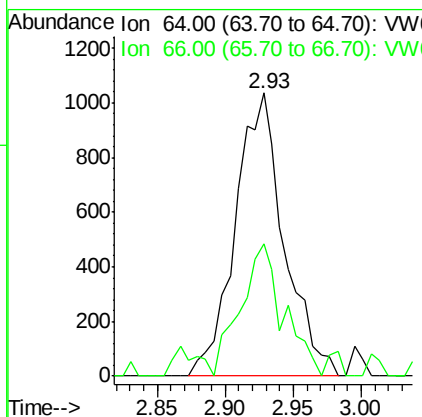
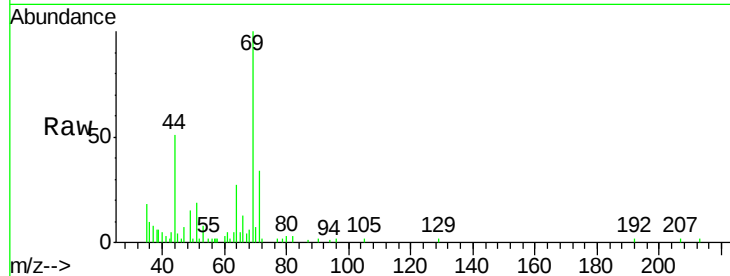
66 46.9 23.4 43.6#

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.711 ug/L m

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017792.D

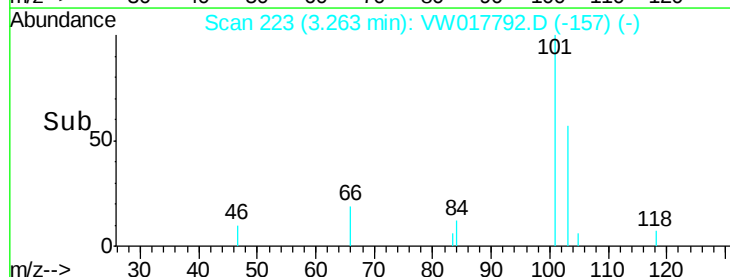
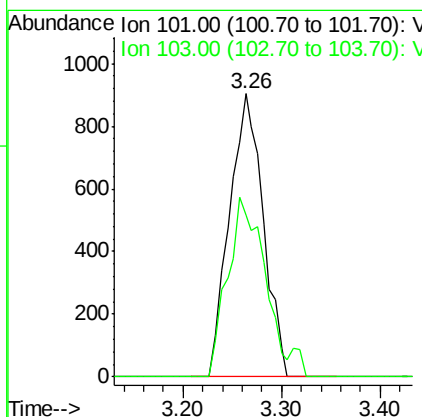
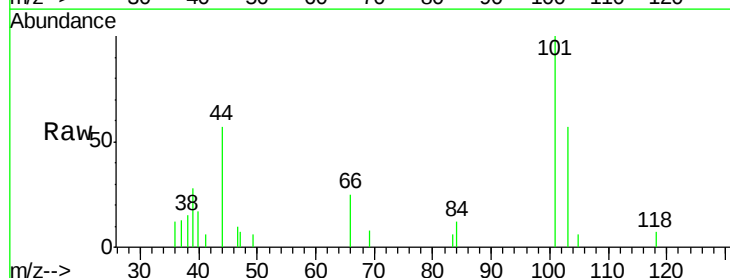
Acq: 05 Jan 2021 12:07

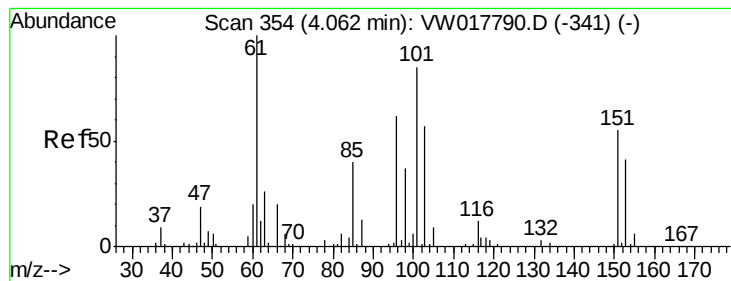
Tgt Ion: 101 Resp: 2142

Ion Ratio Lower Upper

101 100

103 69.3 51.0 76.4





#10

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

Concen: 1.117 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

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MSVOA_W

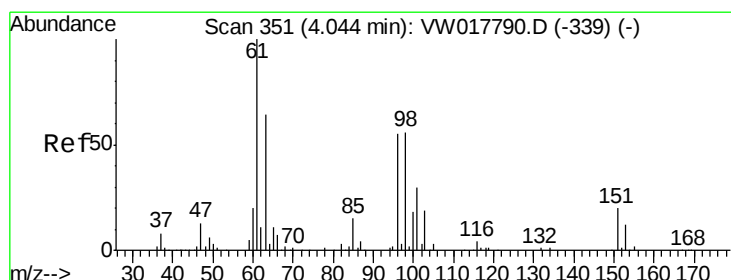
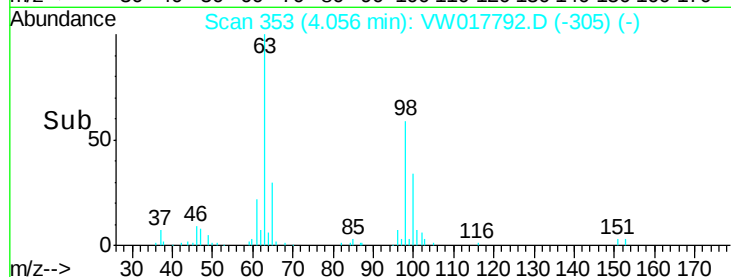
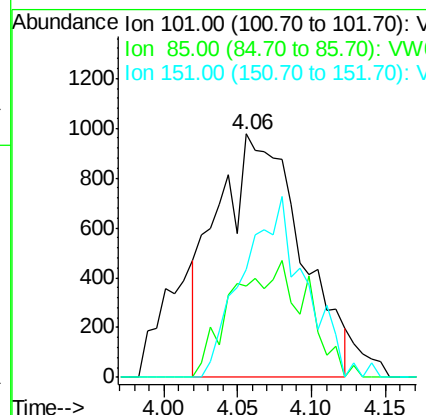
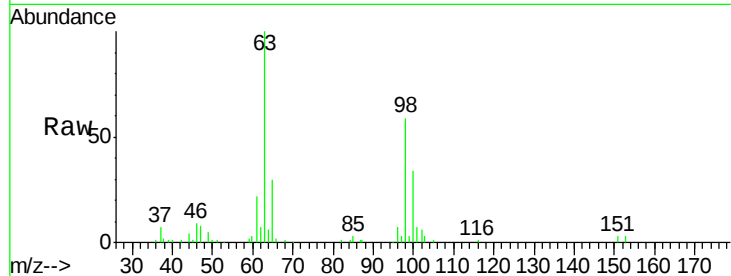
ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:	101	Resp:	3858
Ion Ratio	Lower	Upper	
101	100		
85	21.0	38.2	57.2#
151	29.5	56.6	85.0#

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#12

1,1-Dichloroethene

Concen: 1.175 ug/L m

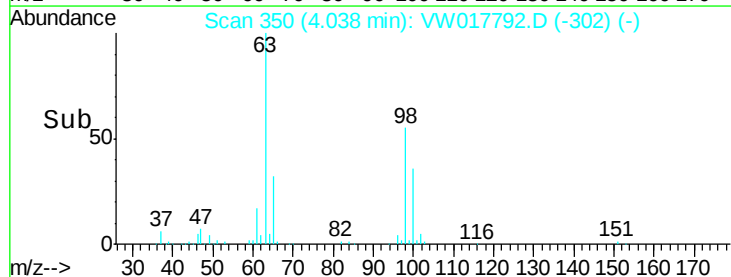
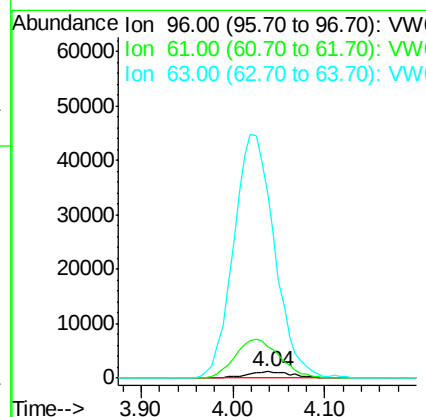
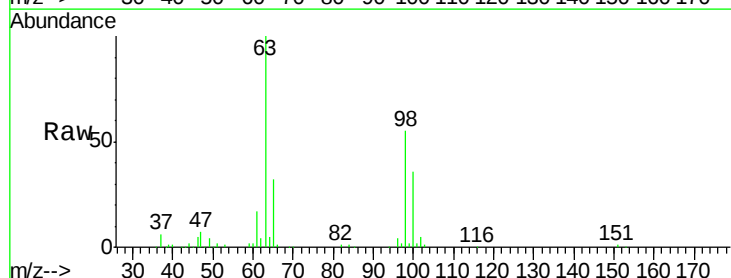
RT: 4.04 min Scan# 350

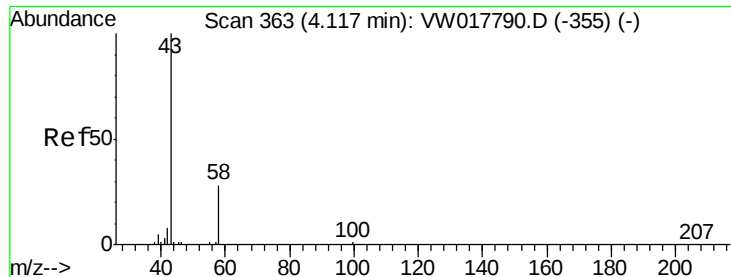
Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion:	96	Resp:	3848
Ion Ratio	Lower	Upper	
96	100		
61	468.1	118.1	219.3#
63	2808.3	83.7	155.5#





#13

Acetone

Concen: 2.086 ug/L m

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

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Tot Ion: 43 Resp: 1559

Ion Ratio Lower Upper

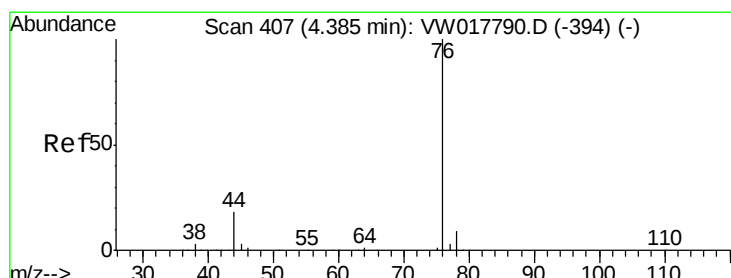
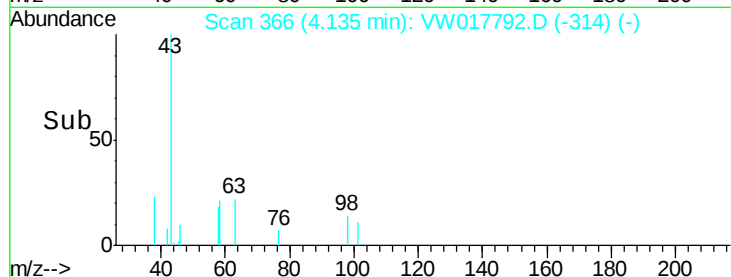
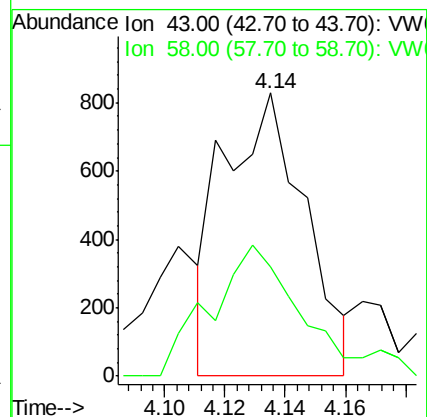
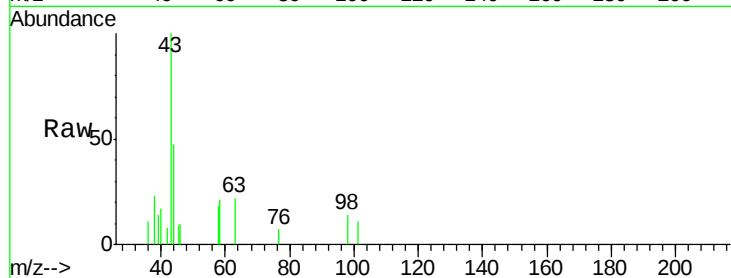
43 100

58 11.7 0.0 53.8

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#14

Carbon disulfide

Concen: 0.809 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017792.D

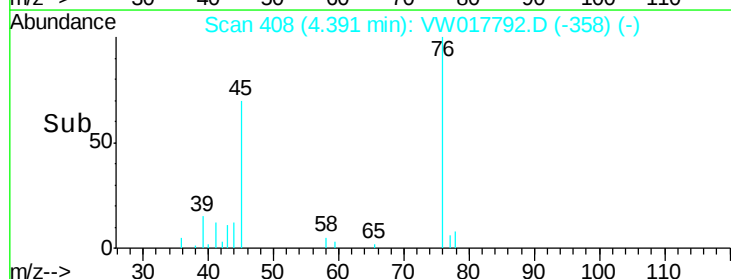
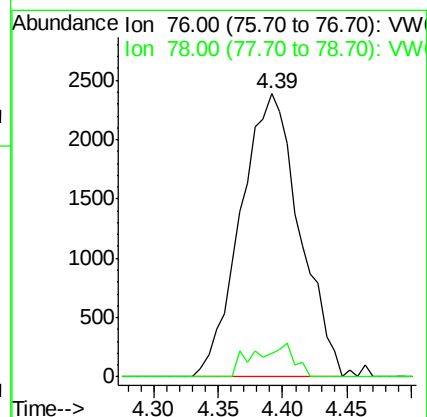
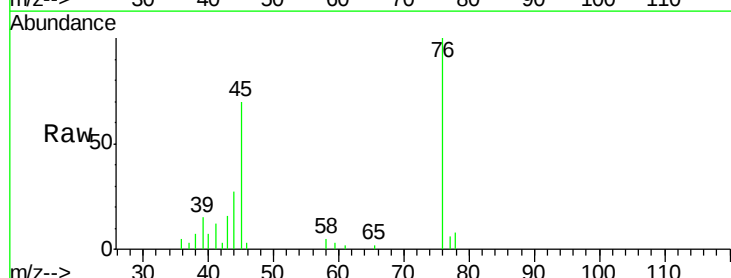
Acq: 05 Jan 2021 12:07

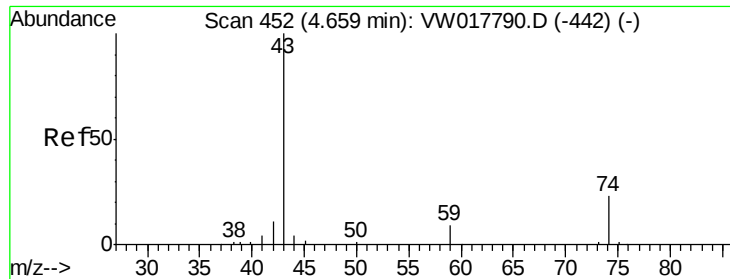
Tgt Ion: 76 Resp: 7595

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0





#15

Methvl Acetate

Concen: 1.043 ug/L m

RT: 4.68 min Scan# 455

Delta R.T. 0.02 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 43 Resp: 1684

Ion Ratio Lower Upper

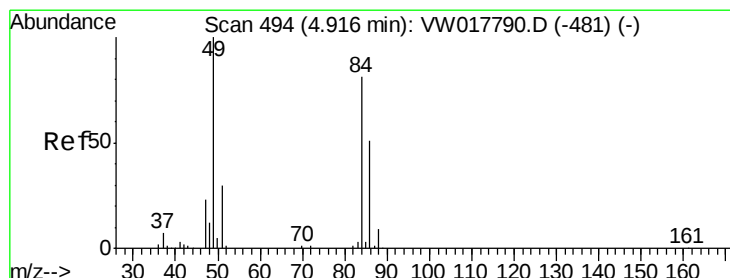
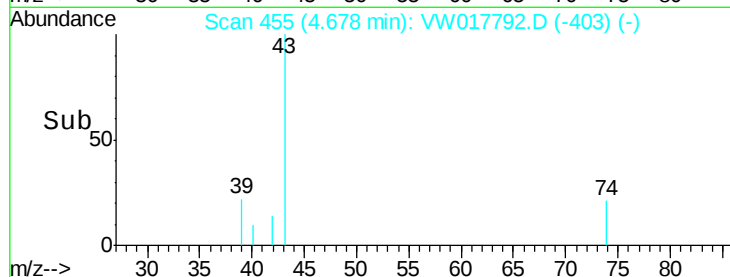
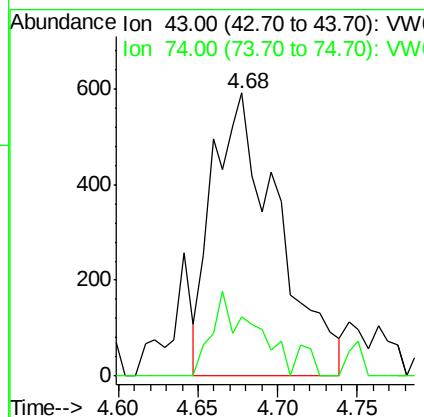
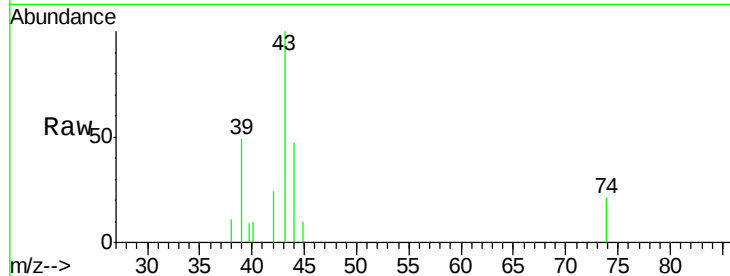
43 100

74 9.1 20.0 30.0#

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#16

Methylene chloride

Concen: 1.885 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

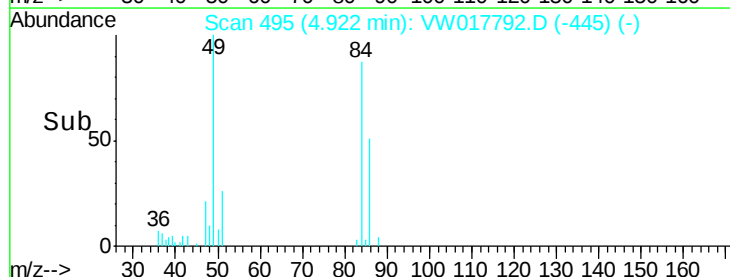
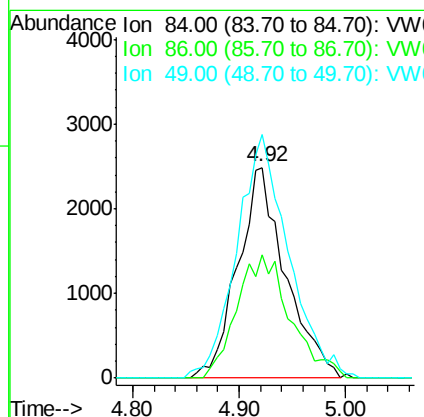
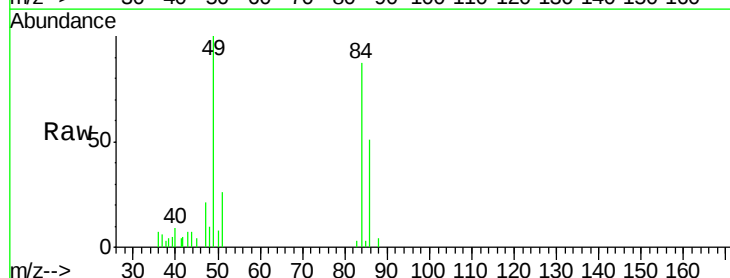
Tgt Ion: 84 Resp: 7794

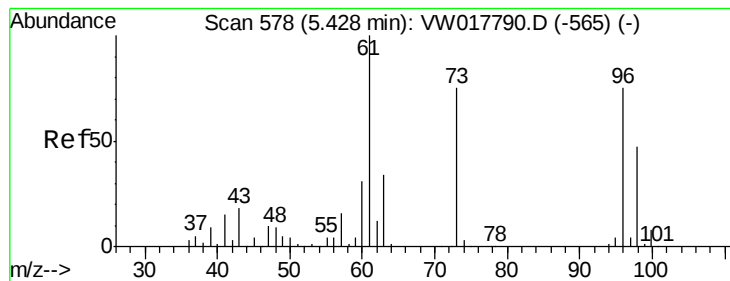
Ion Ratio Lower Upper

84 100

86 58.7 45.3 84.1

49 115.6 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 0.900 ug/L m

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 96 Resp: 3159

Ion Ratio Lower Upper

96 100

61 120.7 98.3 182.7

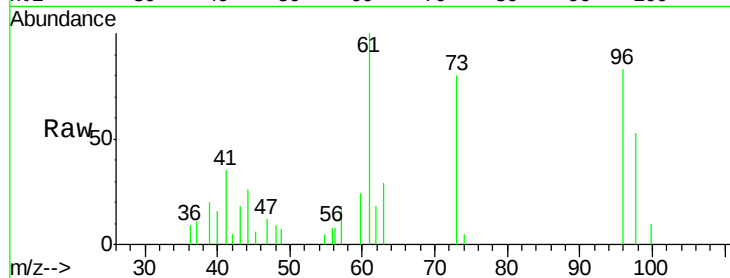
98 63.5 46.1 85.7

Manual Integrations

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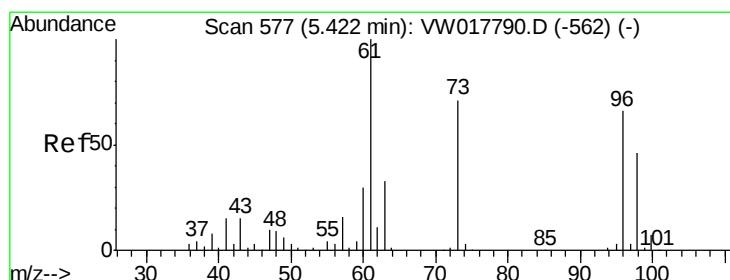
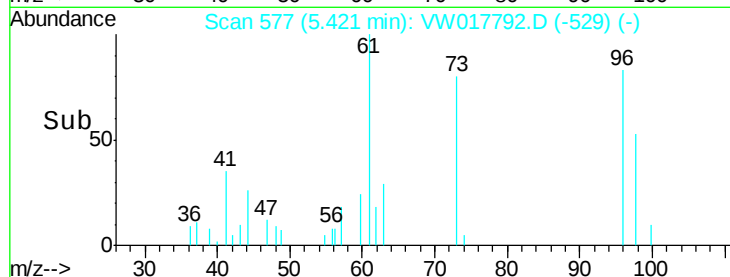
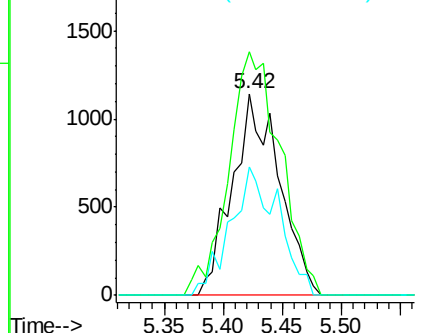
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Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#18

Methyl tert-butyl Ether

Concen: 0.910 ug/L m

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

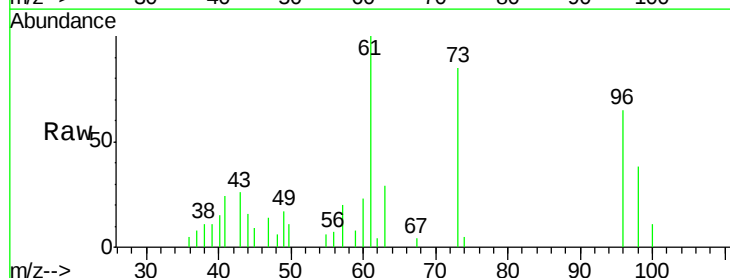
Tgt Ion: 73 Resp: 4071

Ion Ratio Lower Upper

73 100

43 10.3 17.7 26.5#

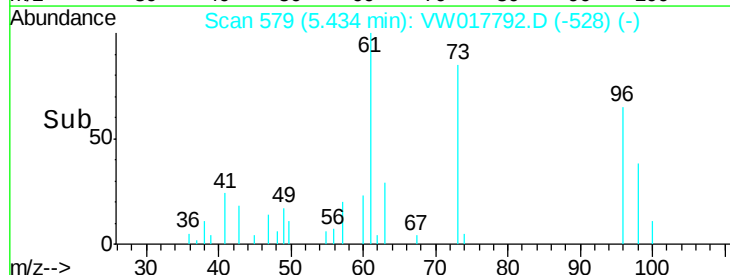
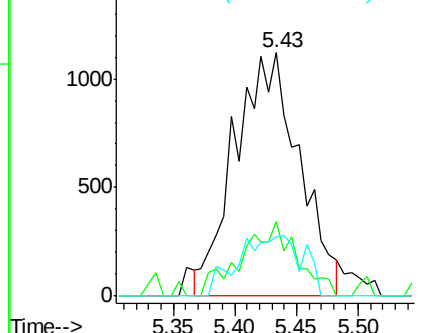
57 12.6 17.0 25.4#

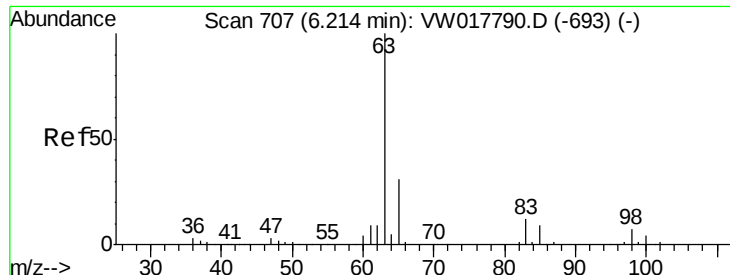


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





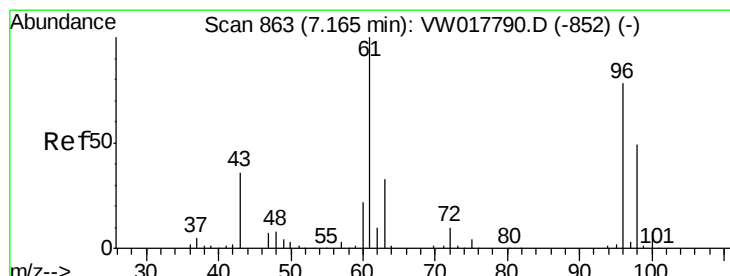
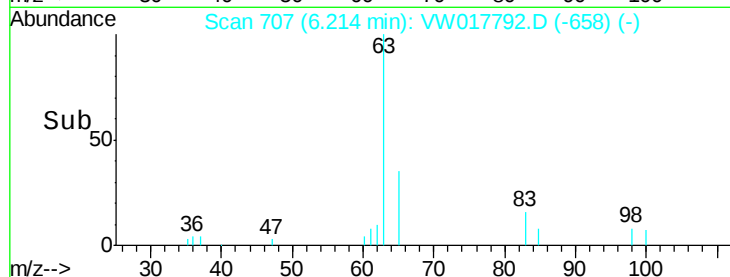
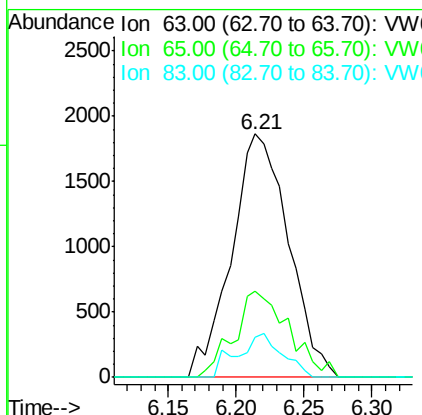
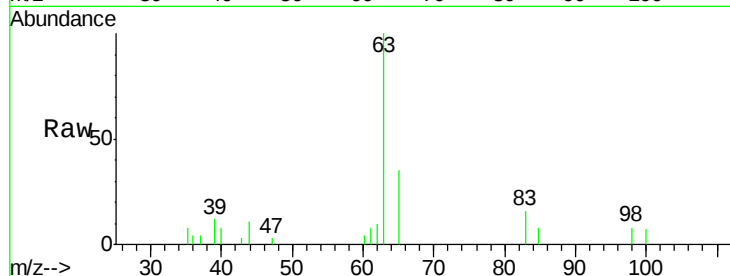
#19
 1,1-Dichloroethane
 Concen: 0.875 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Tot Ion:	63	Resp:	5445
Ion	Ratio	Lower	Upper
63	100		
65	35.4	22.9	42.5
83	16.5	10.2	19.0

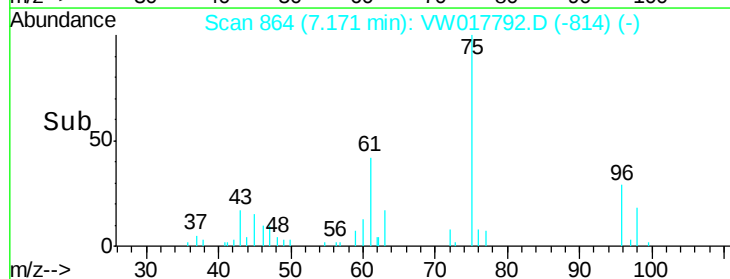
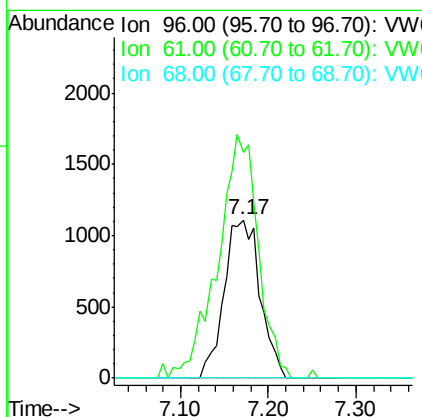
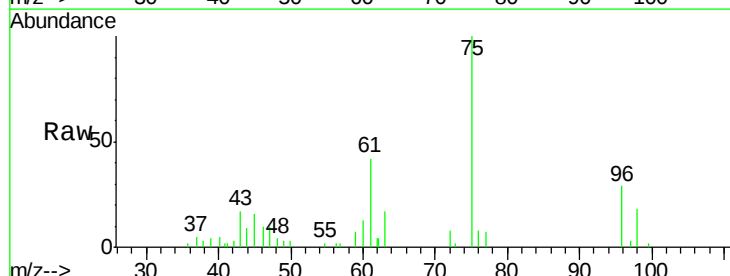
Manual Integrations
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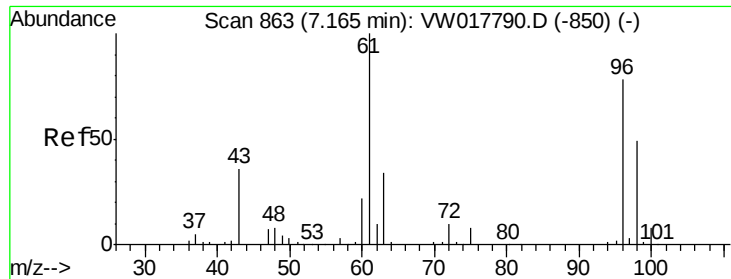
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 0.837 ug/L m
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion:	96	Resp:	3145
Ion	Ratio	Lower	Upper
96	100		
61	142.6	88.5	164.3
68	0.0	0.0	0.0





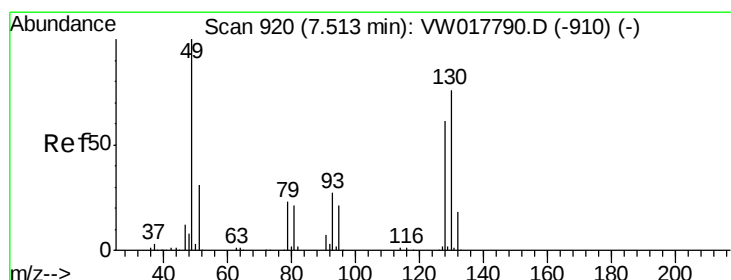
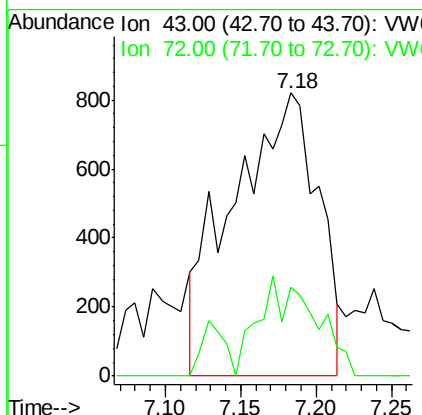
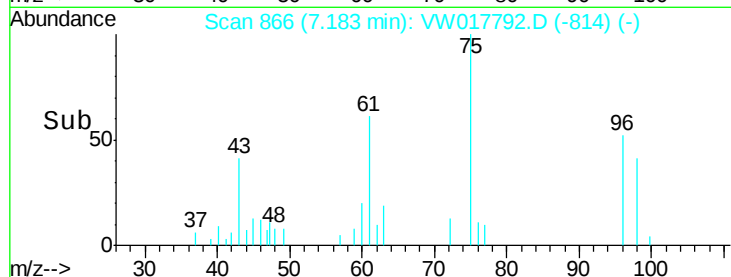
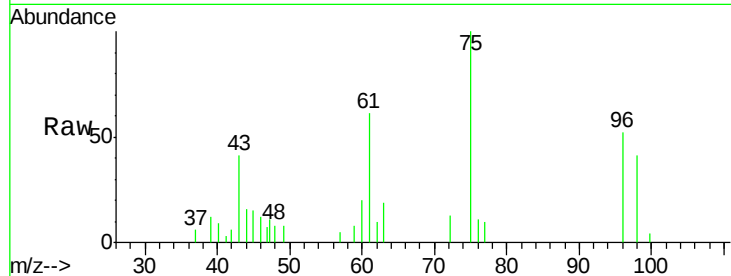
#22
2-Butanone
Concen: 2.590 ug/L m
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion: 43 Resp: 3217
Ion Ratio Lower Upper
43 100
72 4.0 14.9 44.7#

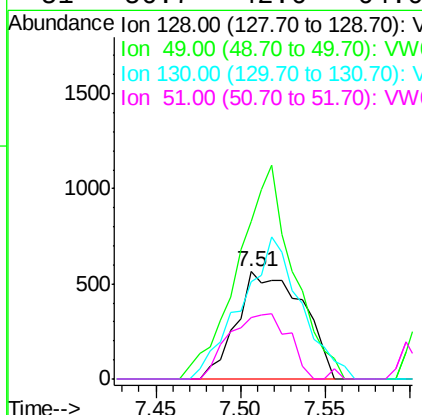
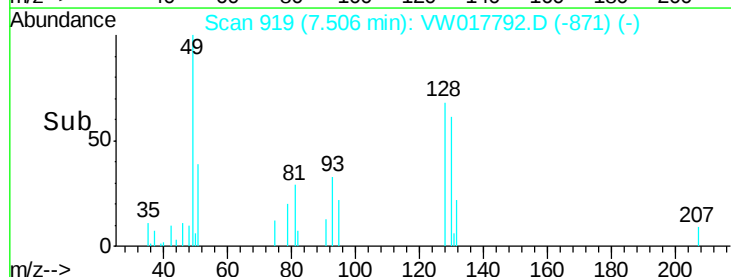
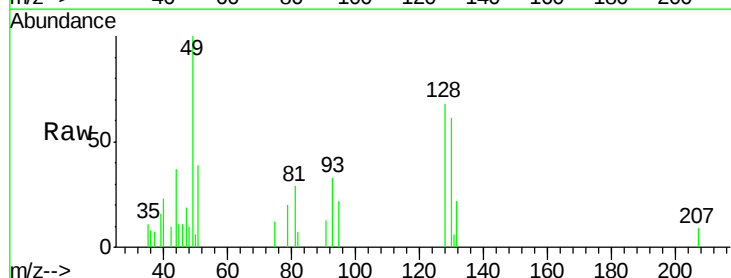
Manual Integrations
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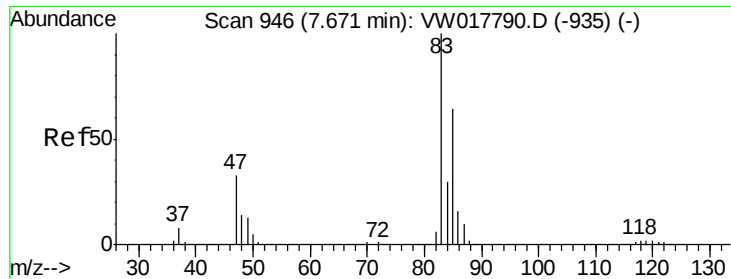
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#23
Bromochloromethane
Concen: 0.882 ug/L m
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion: 128 Resp: 1516
Ion Ratio Lower Upper
128 100
49 147.3 116.3 215.9
130 90.2 82.4 153.0
51 56.7 42.6 64.0





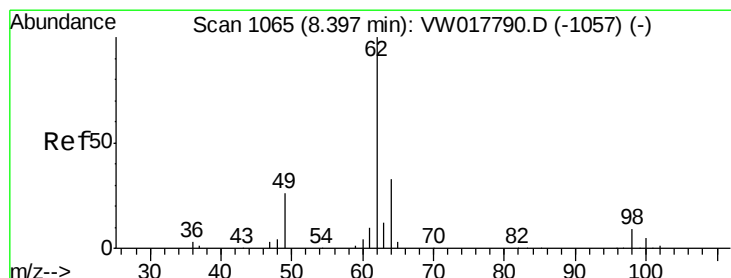
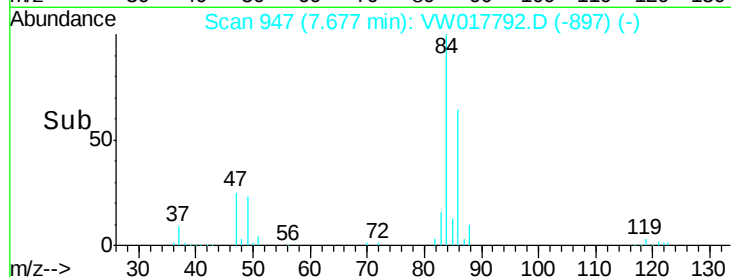
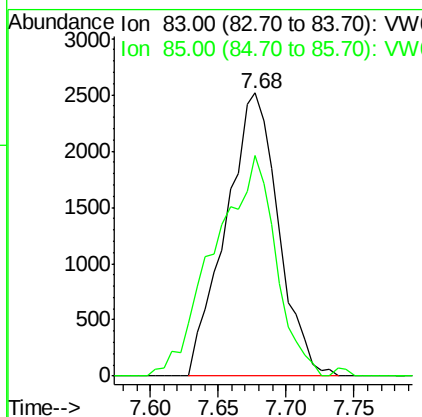
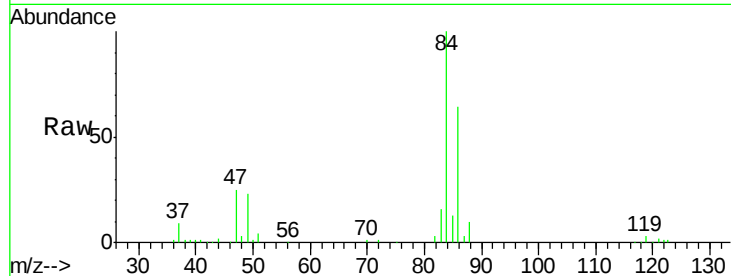
#25
Chloroform
Concen: 1.031 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion: 83 Resp: 6799
Ion Ratio Lower Upper
83 100
85 77.8 44.6 82.8

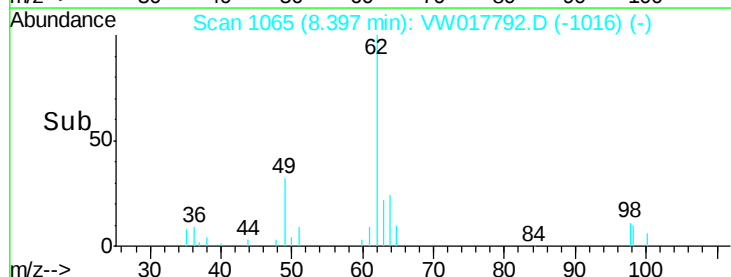
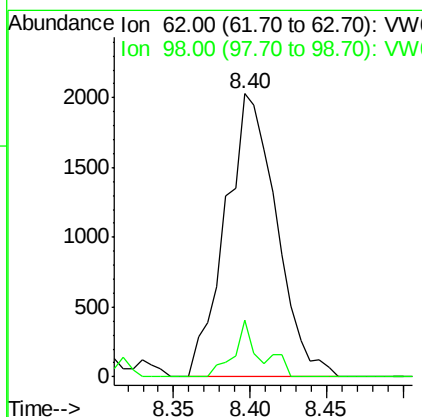
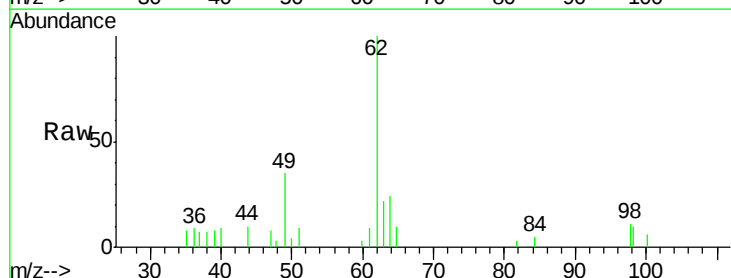
Manual Integrations
APPROVED

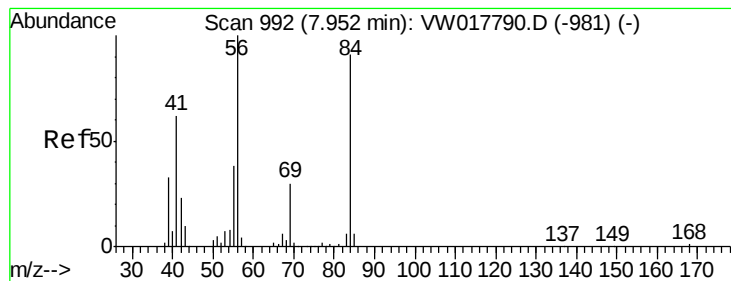
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.997 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion: 62 Resp: 4698
Ion Ratio Lower Upper
62 100
98 20.3 6.9 10.3#





#29

Cyclohexane

Concen: 0.858 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

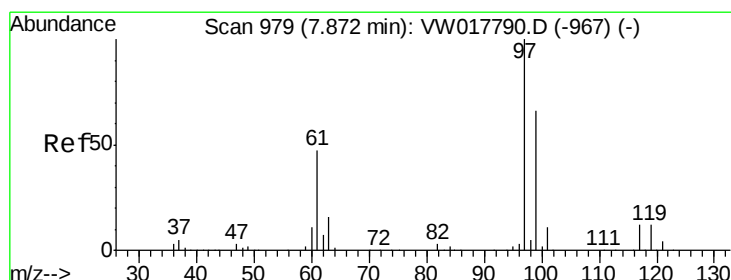
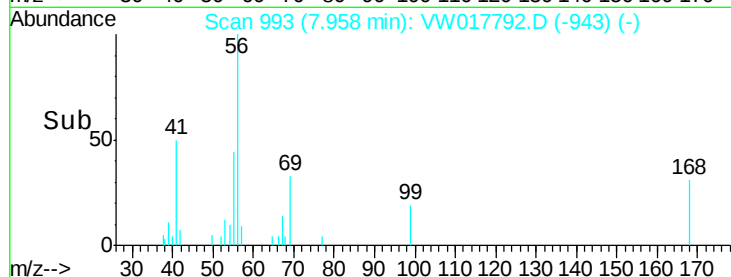
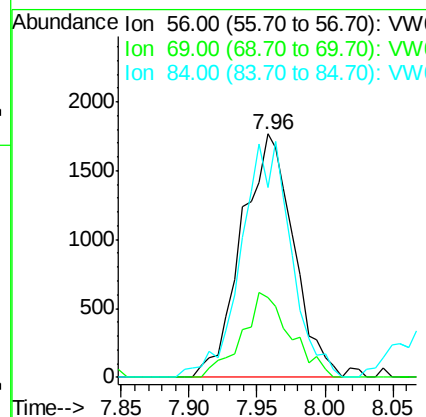
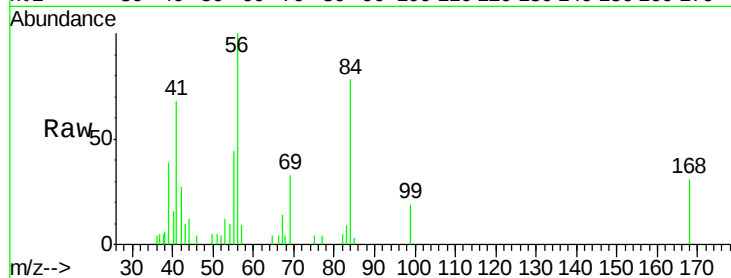
ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:	56	Resp:	4707
Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.5	36.7
84	53.6	75.0	112.4#

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 0.858 ug/L

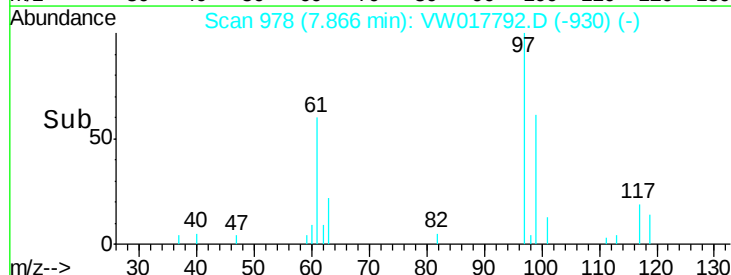
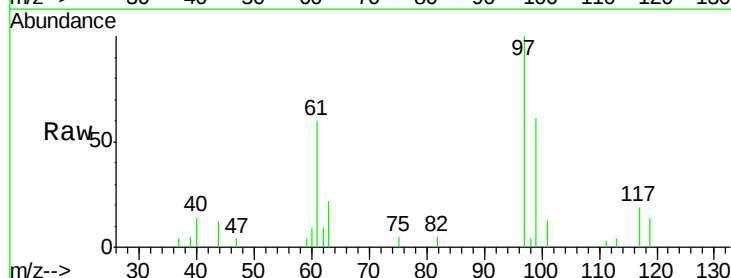
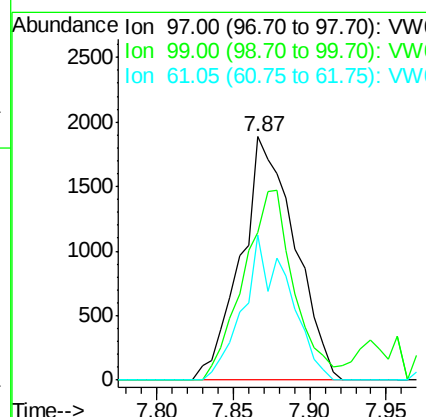
RT: 7.87 min Scan# 978

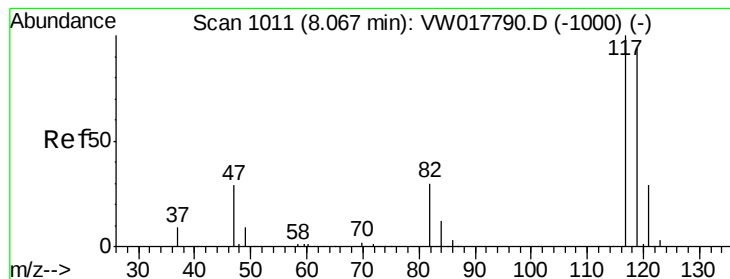
Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion:	97	Resp:	4614
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	27.5	37.8	56.6#





#31

Carbon tetrachloride

Concen: 0.894 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:117 Resp: 4513

Ion Ratio Lower Upper

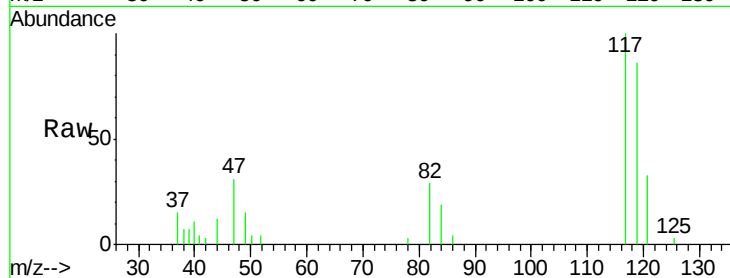
117 100

119 91.1 76.5 114.7

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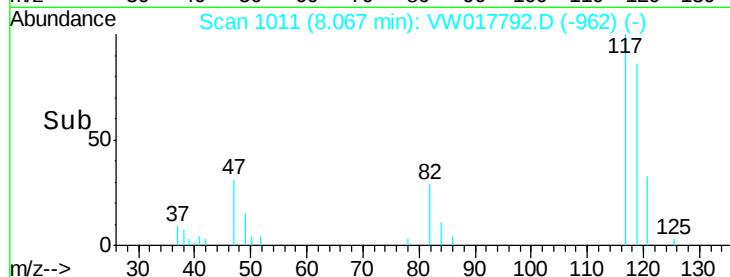
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



Abundance

2000

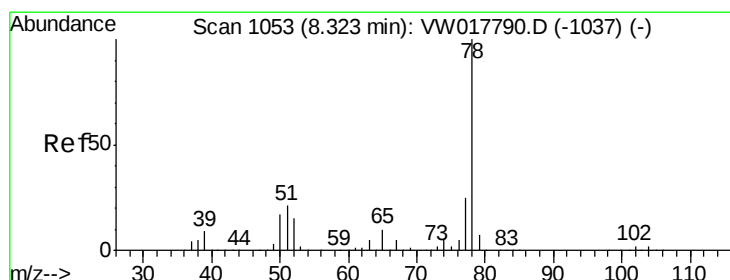
1500

1000

500

0

Time-->



#33

Benzene

Concen: 0.853 ug/L

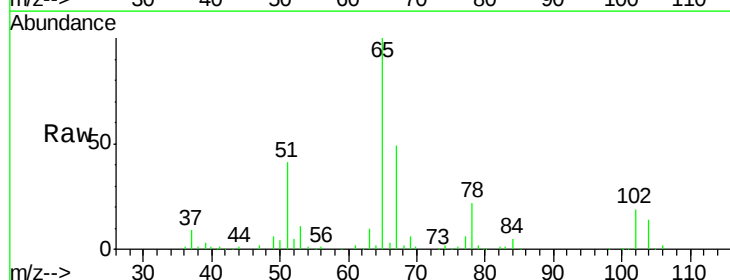
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion: 78 Resp: 11644



Abundance Ion 78.00 (77.70 to 78.70): VW

6000

5000

4000

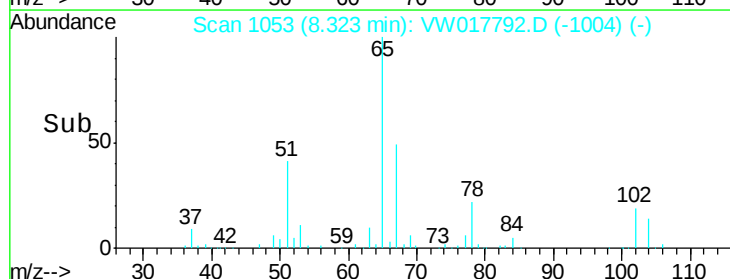
3000

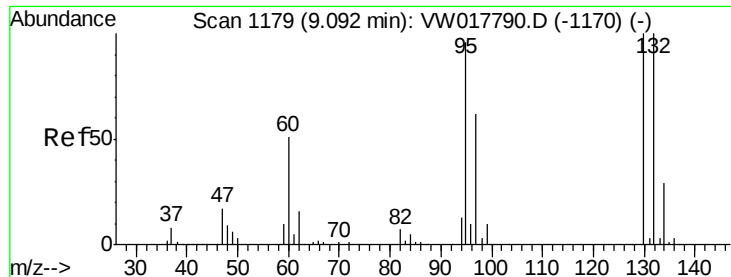
2000

1000

0

Time-->





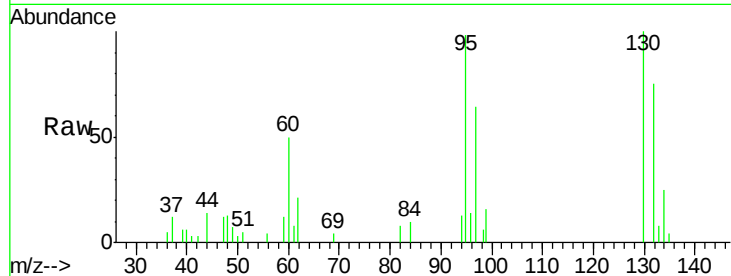
#34
 Trichloroethene
 Concen: 0.919 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

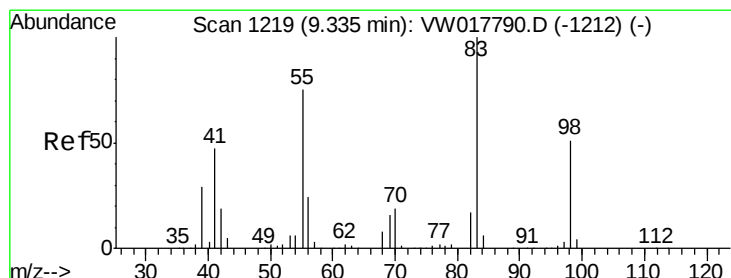
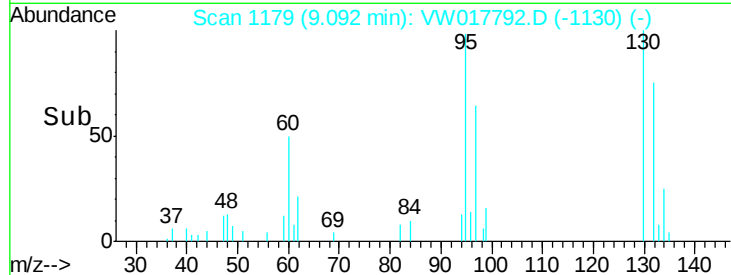
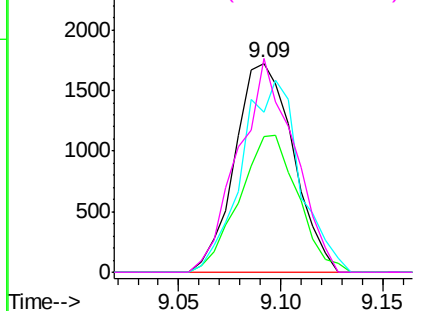
Tot Ion:	95	Resp:	3427
Ion	Ratio	Lower	Upper
95	100		
97	65.2	47.3	87.8
132	76.7	71.0	131.8
130	102.3	65.1	120.9

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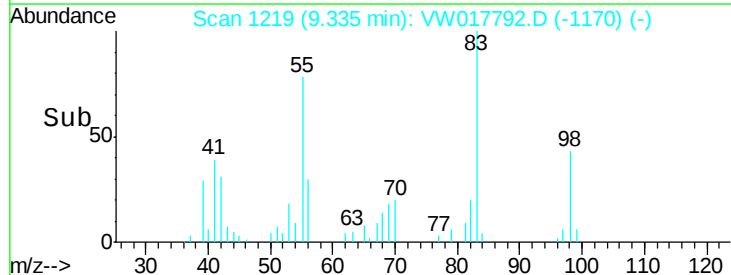
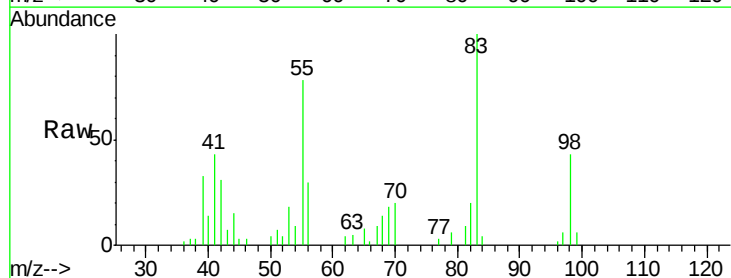
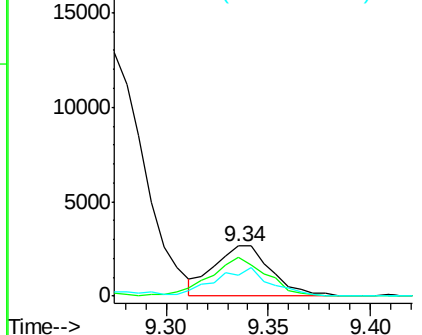
Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

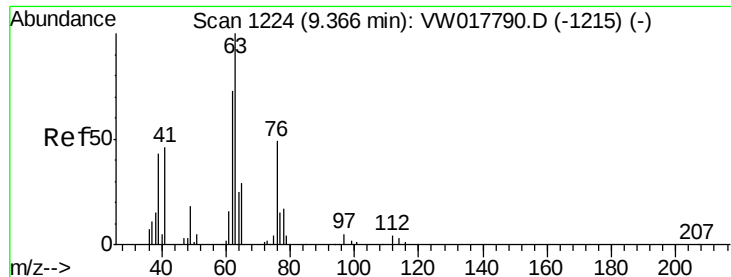


#35
 Methylcyclohexane
 Concen: 0.809 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion:	83	Resp:	5162
Ion	Ratio	Lower	Upper
83	100		
55	77.5	58.9	88.3
98	53.9	40.1	60.1

Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 0.975 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 63 Resp: 3222

Ion Ratio Lower Upper

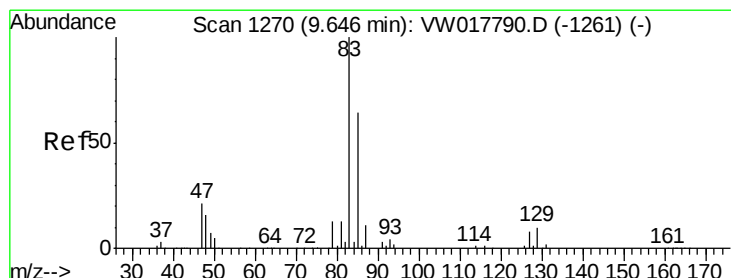
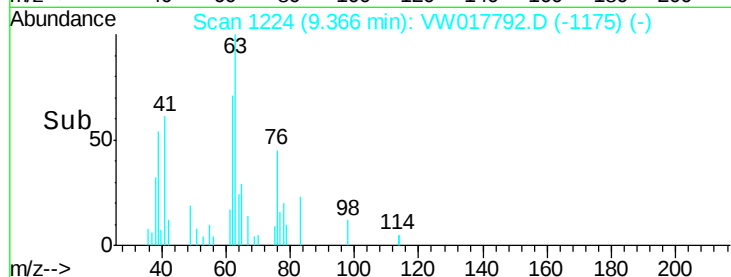
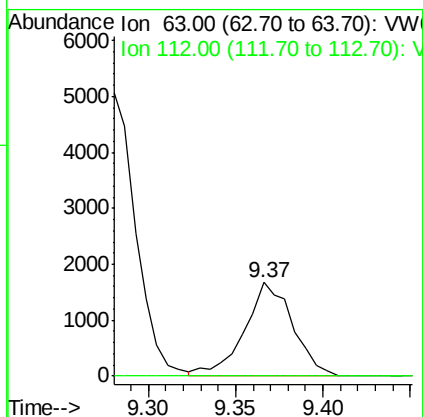
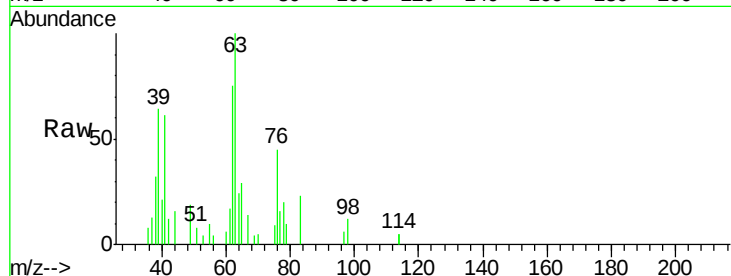
63 100

112 0.0 3.9 5.9#

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#38

Bromodichloromethane

Concen: 0.893 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

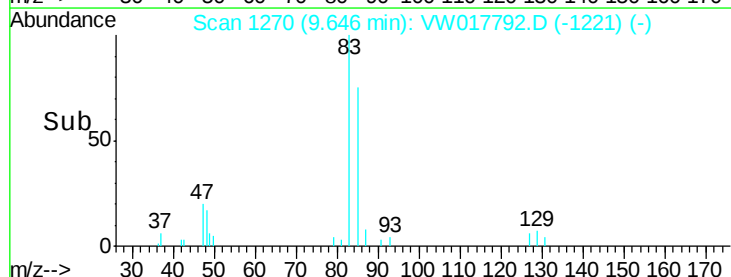
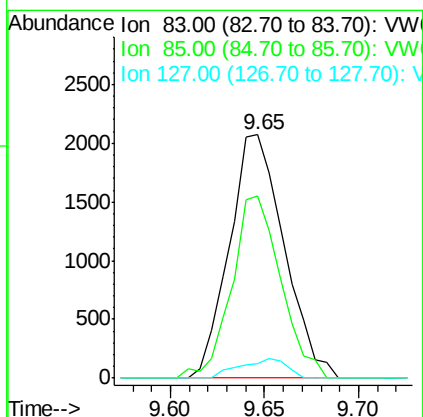
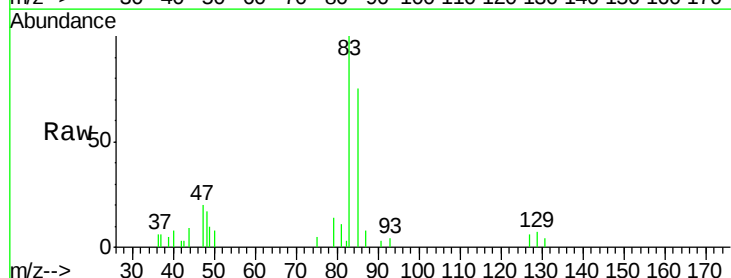
Tgt Ion: 83 Resp: 4168

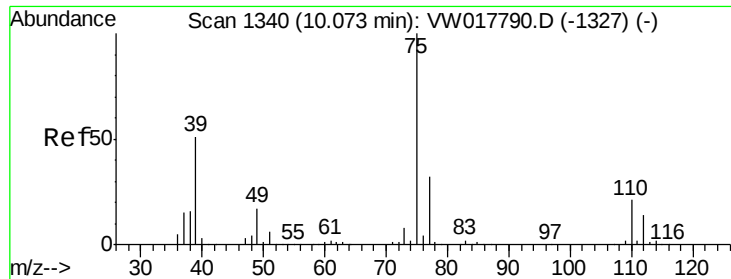
Ion Ratio Lower Upper

83 100

85 74.7 42.3 78.5

127 6.2 6.6 9.8#





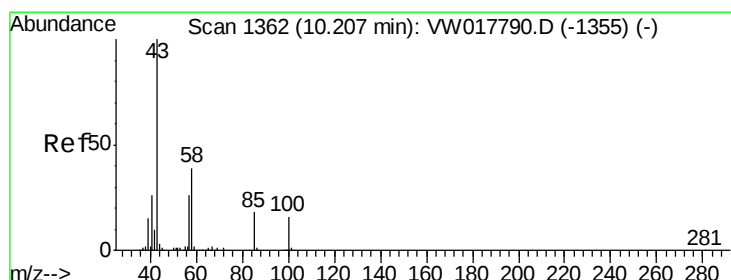
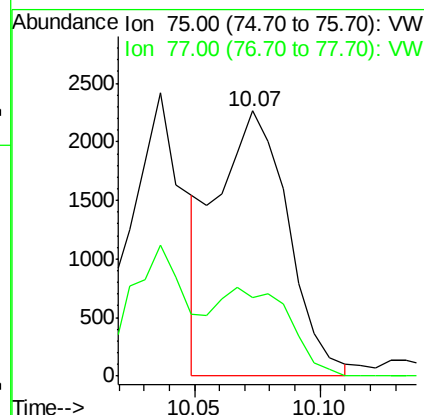
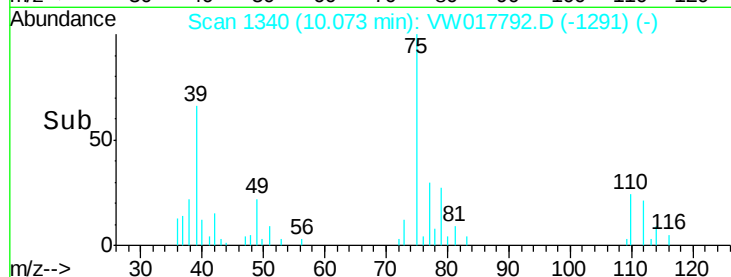
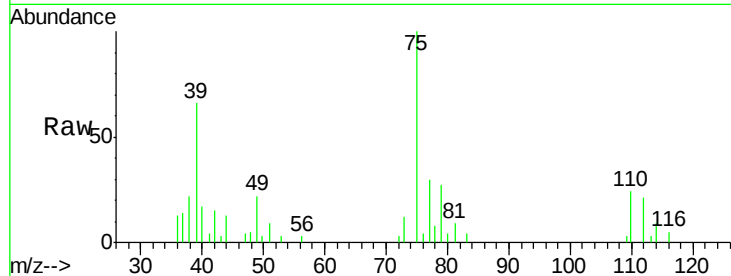
#39
 cis-1,3-Dichloropropene
 Concen: 0.847 ug/L m
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Tot Ion: 75 Resp: 4465
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.6 42.0

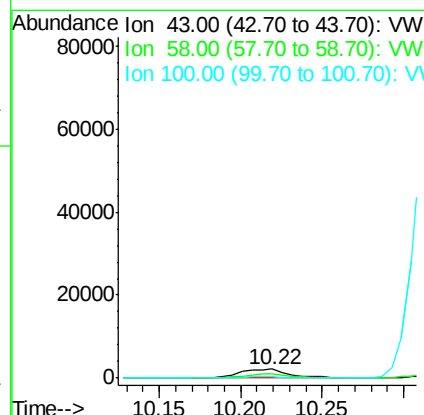
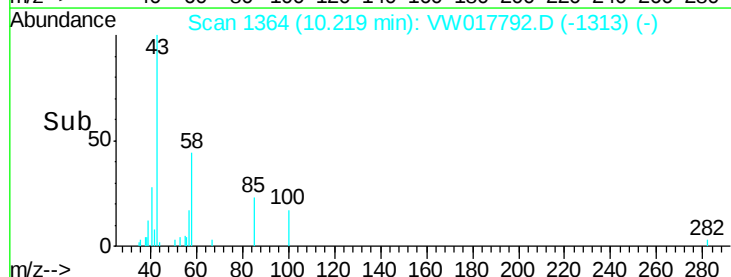
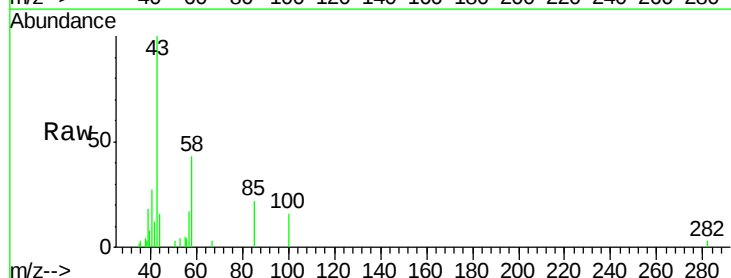
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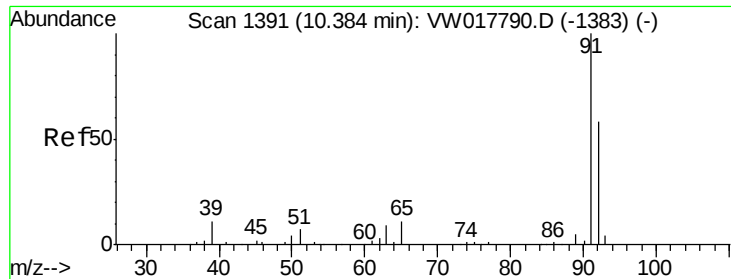
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#40
 4-Methyl-2-pentanone
 Concen: 1.934 ug/L
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion: 43 Resp: 4535
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.0 46.4
 100 13.3 13.0 19.6





#42

Toluene

Concen: 0.892 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 91 Resp: 13794

Ion Ratio Lower Upper

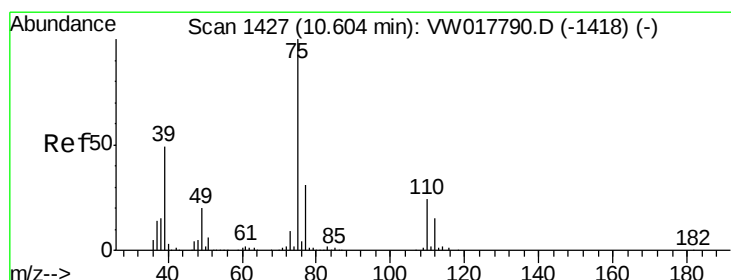
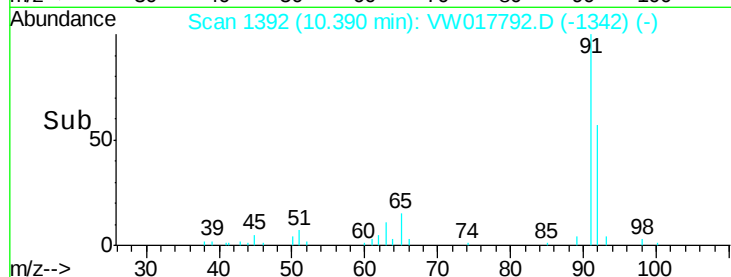
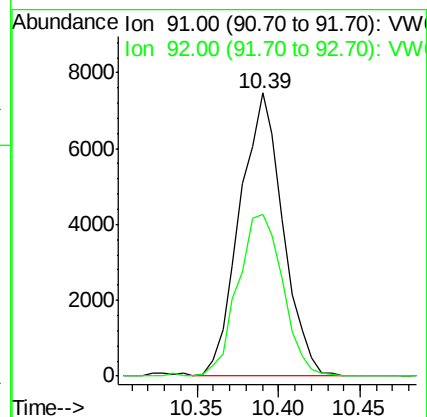
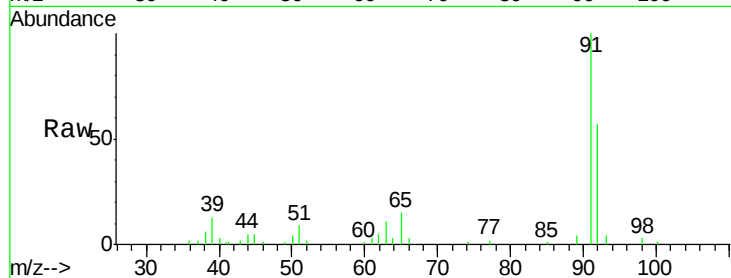
91 100

92 57.3 39.5 73.3

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#44

trans-1,3-Dichloropropene

Concen: 0.880 ug/L m

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017792.D

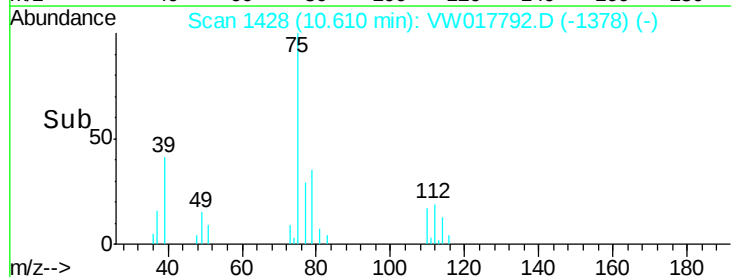
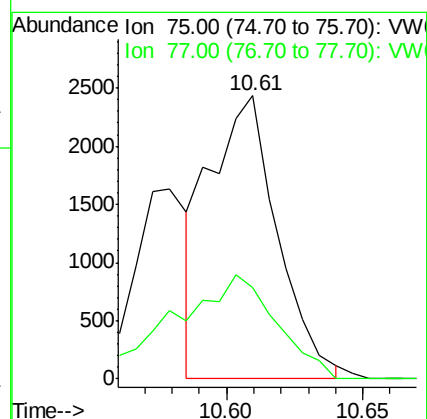
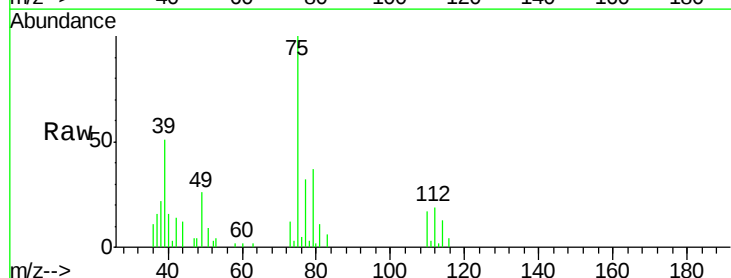
Acq: 05 Jan 2021 12:07

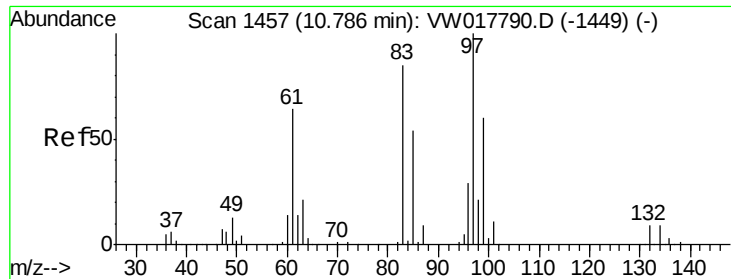
Tgt Ion: 75 Resp: 4231

Ion Ratio Lower Upper

75 100

77 32.4 21.1 39.1





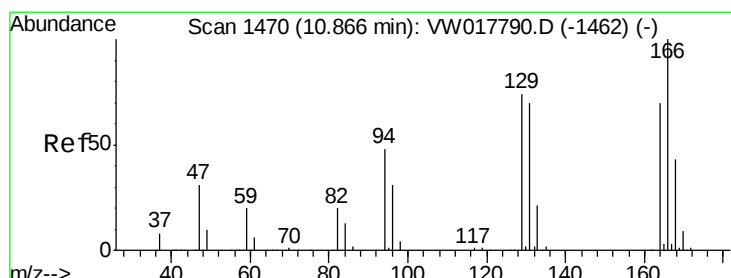
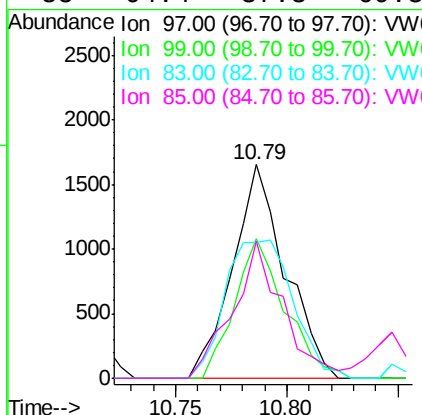
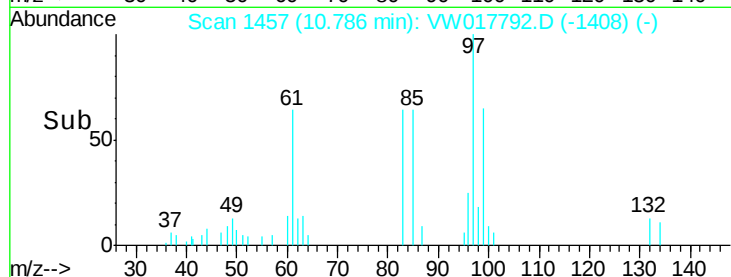
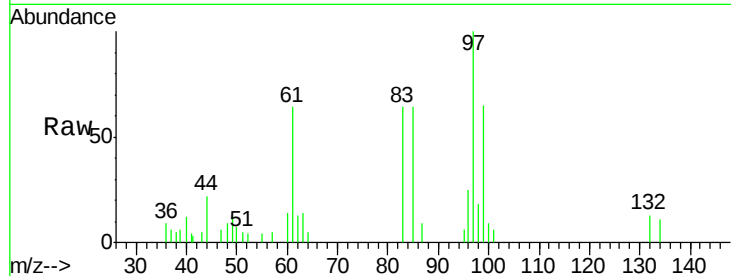
#45
1,1,2-Trichloroethane
Concen: 0.981 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion:	97	Resp:	2720
Ion	Ratio	Lower	Upper
97	100		
99	65.3	45.1	83.7
83	63.7	58.1	107.9
85	64.4	37.3	69.3

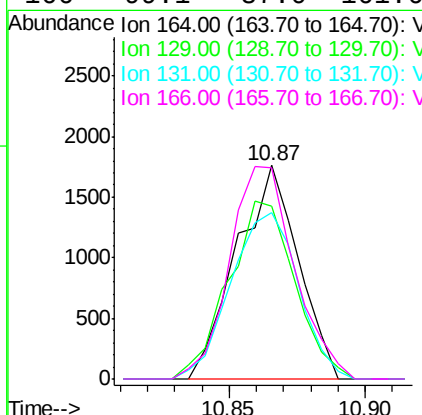
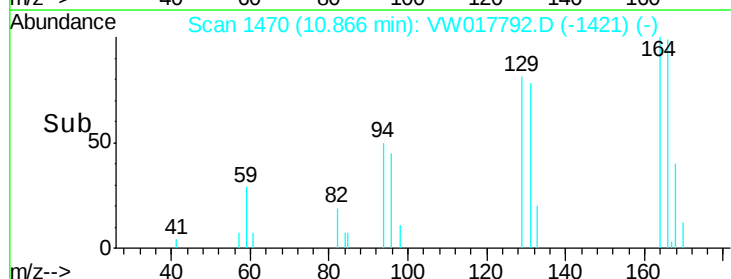
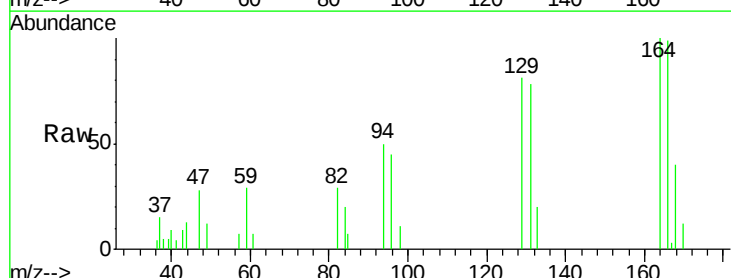
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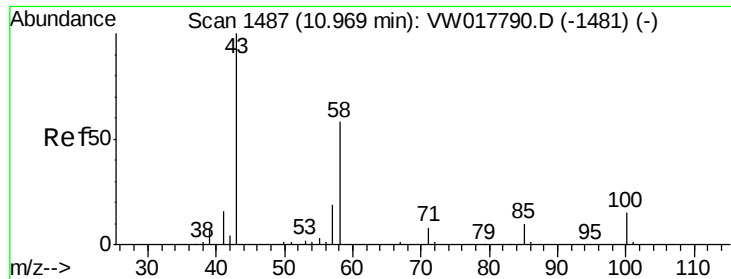
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#46
Tetrachloroethene
Concen: 0.964 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion:	164	Resp:	2755
Ion	Ratio	Lower	Upper
164	100		
129	81.2	66.7	123.9
131	77.7	61.1	113.5
166	99.1	87.0	161.6





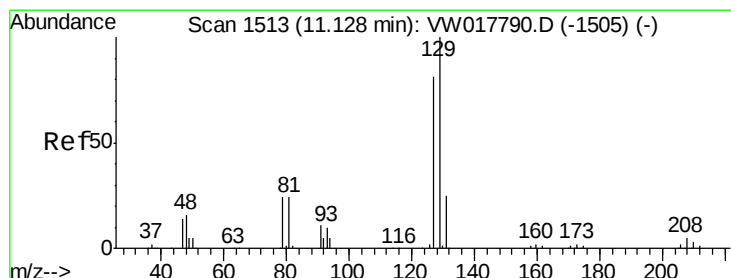
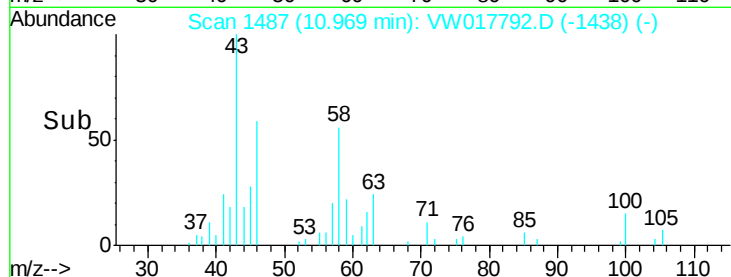
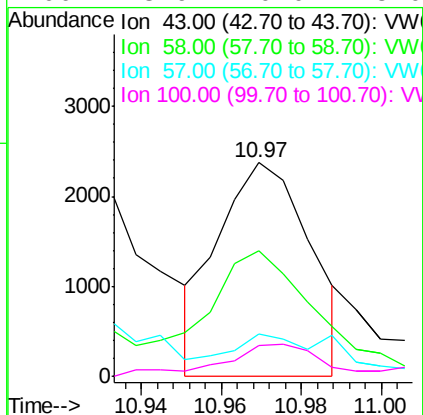
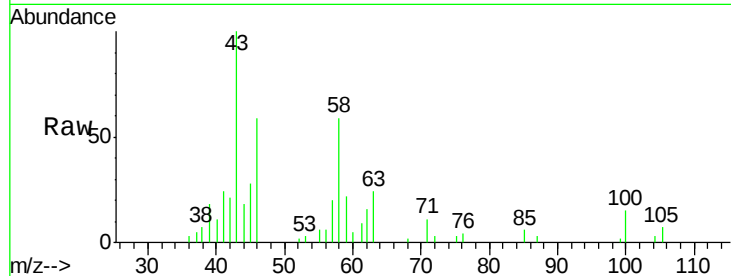
#48
2-Hexanone
Concen: 2.314 ug/L m
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
43	100		
58	71.6	42.7	64.1#
57	16.3	15.8	23.8
100	13.9	10.0	15.0

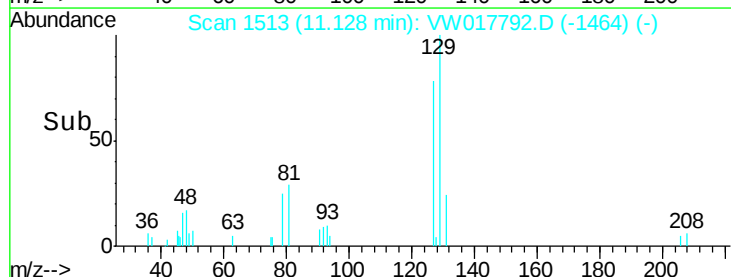
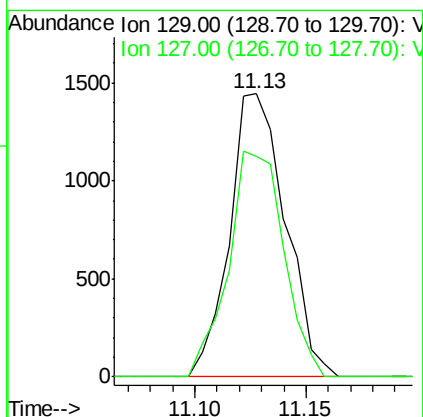
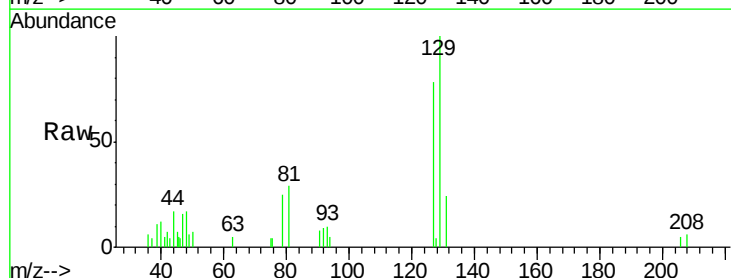
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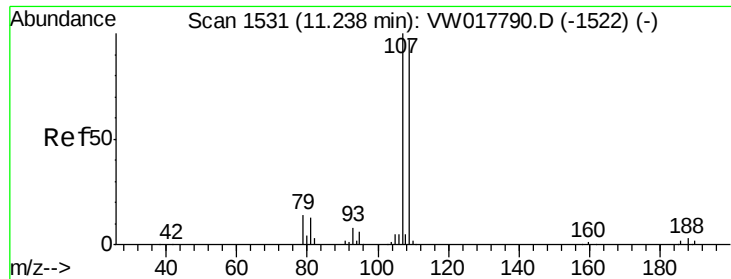
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#49
Dibromochloromethane
Concen: 0.792 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.1	51.7	95.9





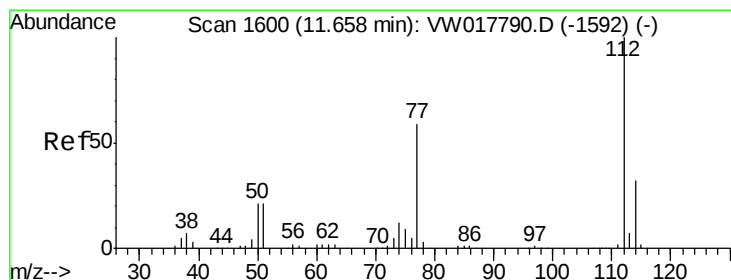
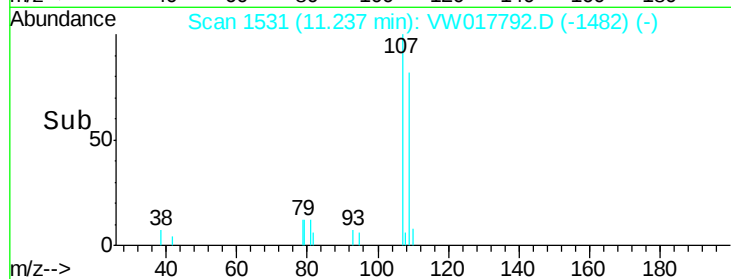
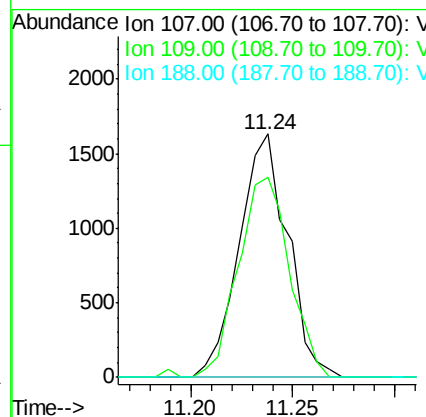
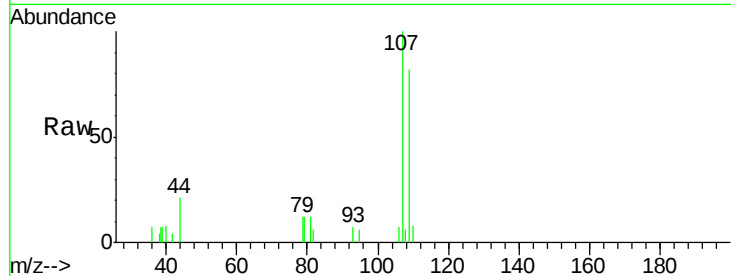
#50
1,2-Dibromoethane
Concen: 0.980 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
107	100		
109	82.4	65.4	121.4
188	0.0	2.6	4.0#

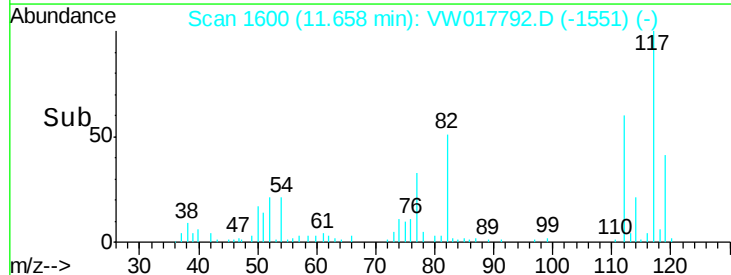
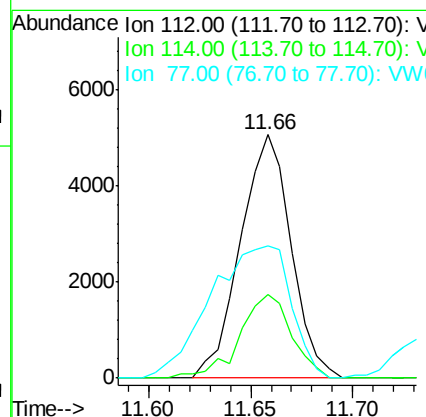
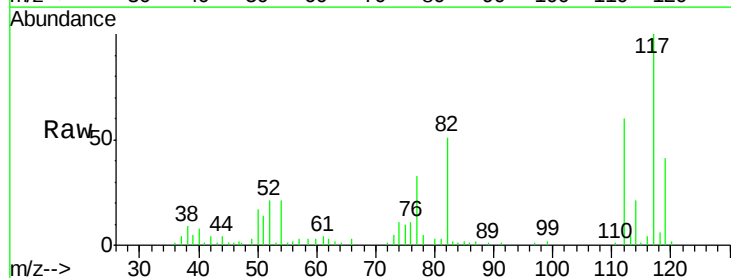
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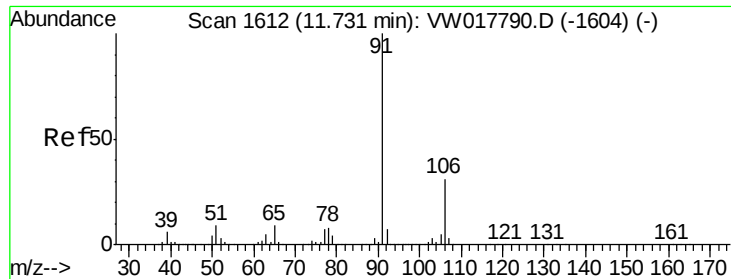
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#51
Chlorobenzene
Concen: 0.890 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.5	23.4	43.6
77	54.4	47.6	71.4





#52

Ethylbenzene

Concen: 0.850 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 91 Resp: 15013

Ion Ratio Lower Upper

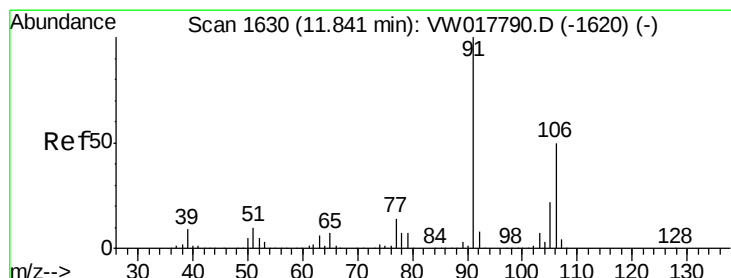
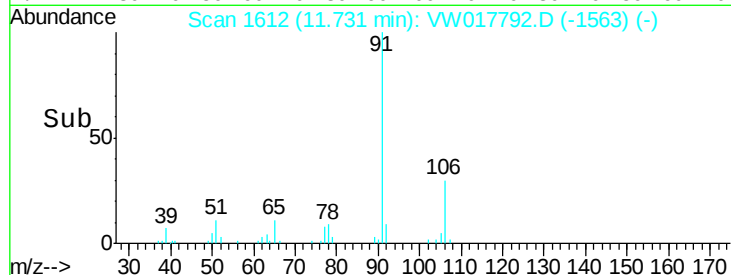
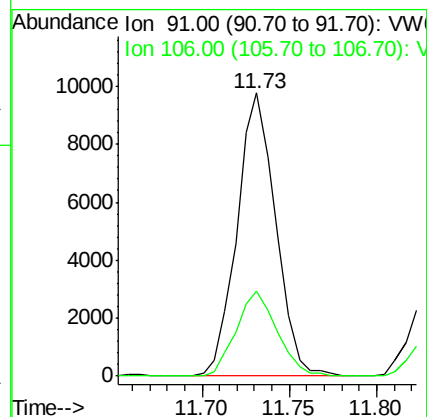
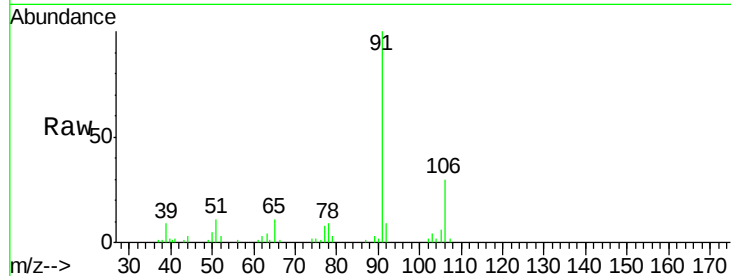
91 100

106 29.9 22.5 41.7

Manual Integrations
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#53

m,p-Xylene

Concen: 0.812 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017792.D

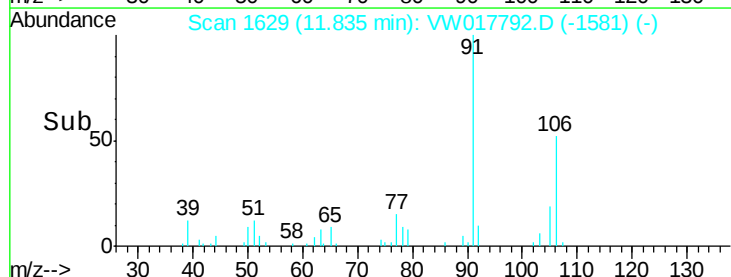
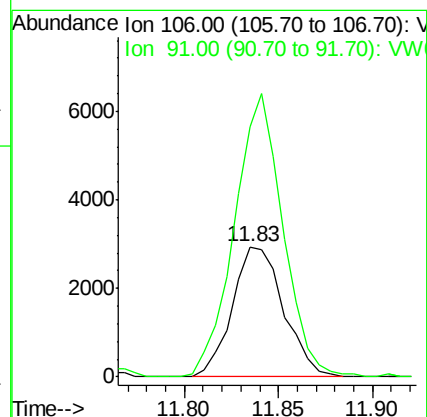
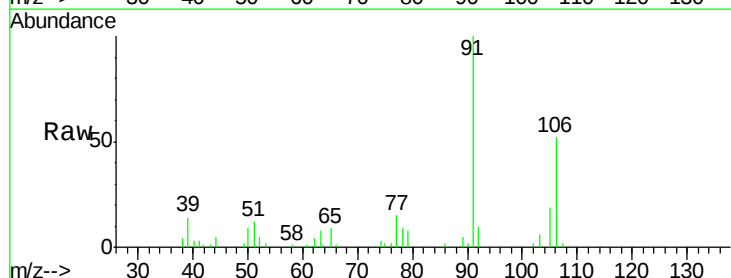
Acq: 05 Jan 2021 12:07

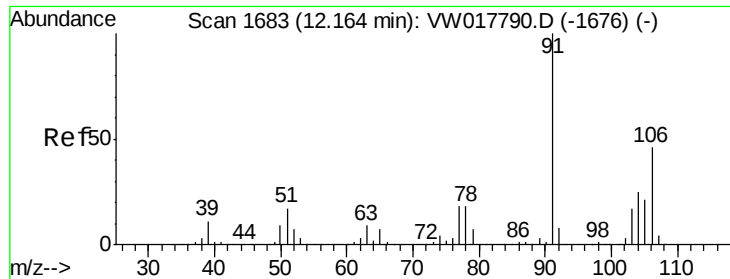
Tgt Ion: 106 Resp: 5545

Ion Ratio Lower Upper

106 100

91 192.4 141.3 262.3





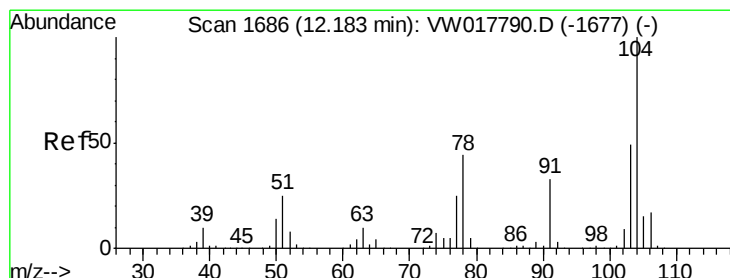
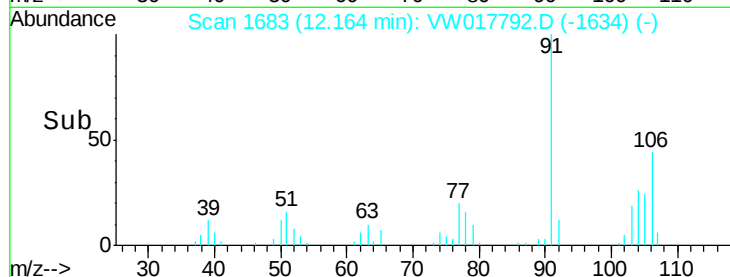
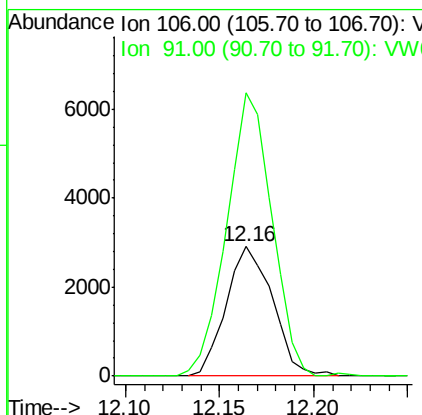
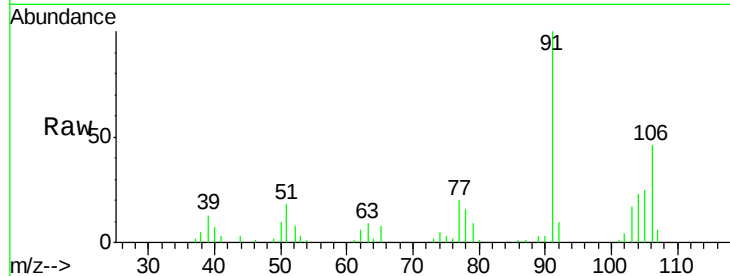
#54
o-Xylene
Concen: 0.774 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion:106 Resp: 4990
Ion Ratio Lower Upper
106 100
91 218.2 150.0 278.6

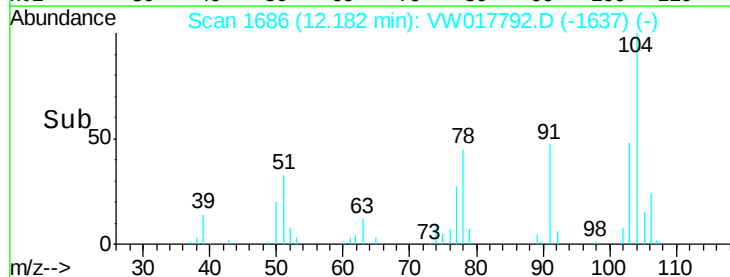
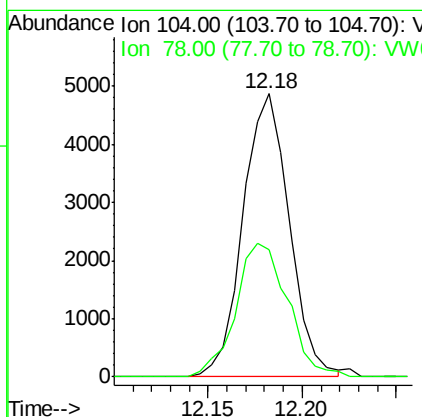
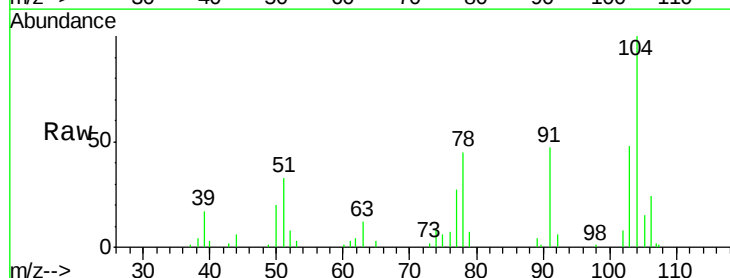
Manual Integrations
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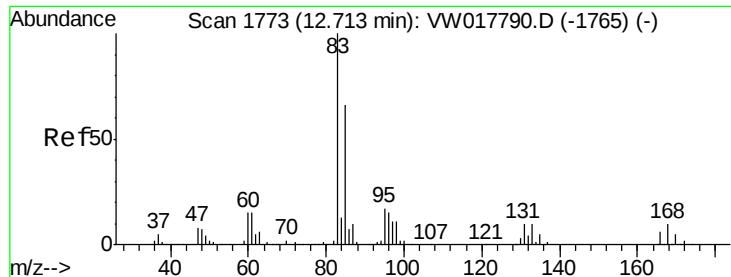
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#55
Styrene
Concen: 0.751 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion:104 Resp: 8283
Ion Ratio Lower Upper
104 100
78 44.8 32.5 60.3





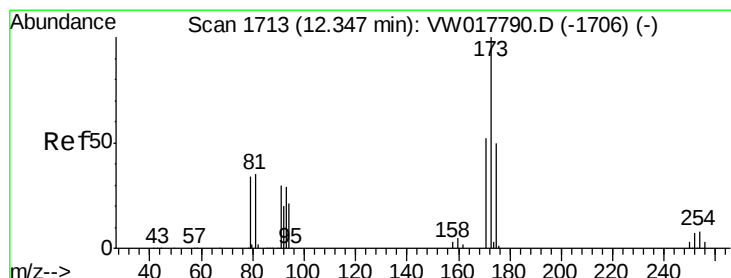
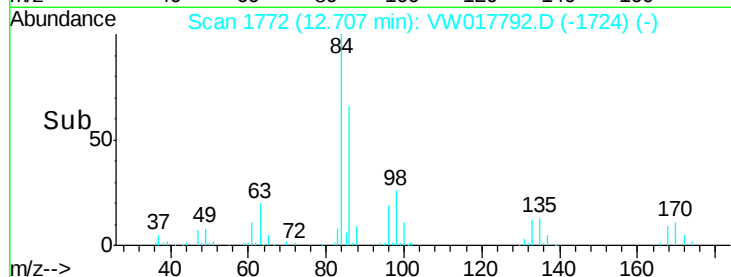
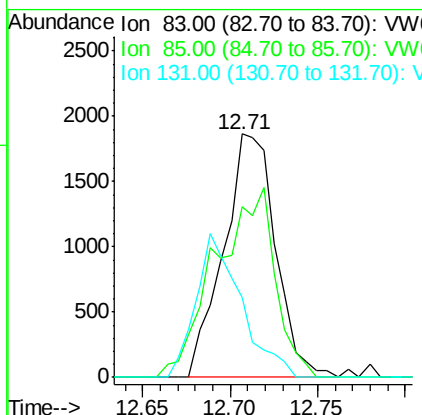
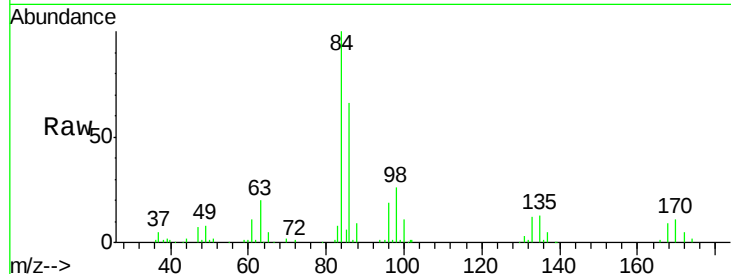
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.068 ug/L
 RT: 12.71 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Tot Ion	83	Resp	3850
Ion Ratio	100	Lower	Upper
83	100		
85	70.3	44.4	82.4
131	32.9	8.2	12.4#

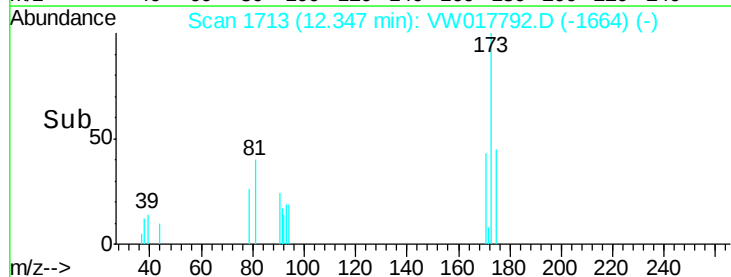
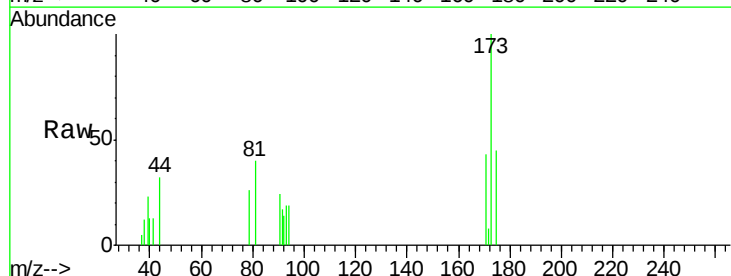
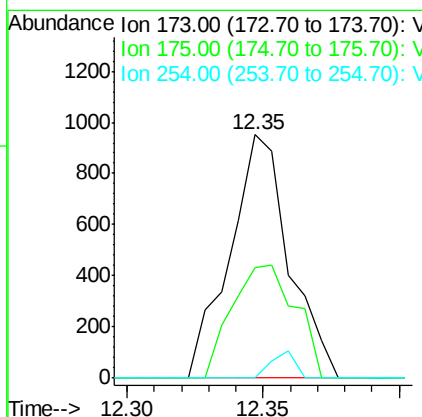
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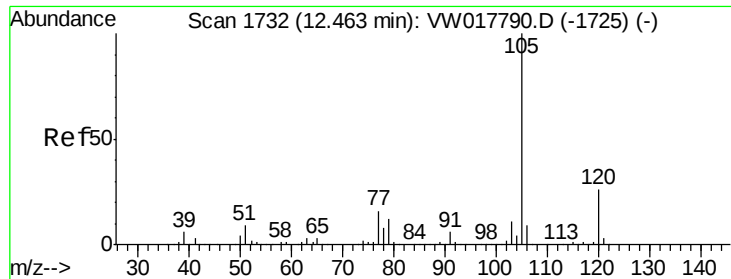
MMDadoda
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#59
 Bromoform
 Concen: 0.830 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion	173	Resp	1438
Ion Ratio	100	Lower	Upper
173	100		
175	49.8	37.5	56.3
254	4.4	7.0	10.4#





#60

Isopropylbenzene

Concen: 0.819 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

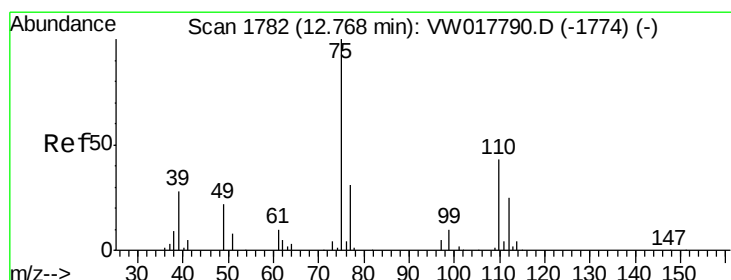
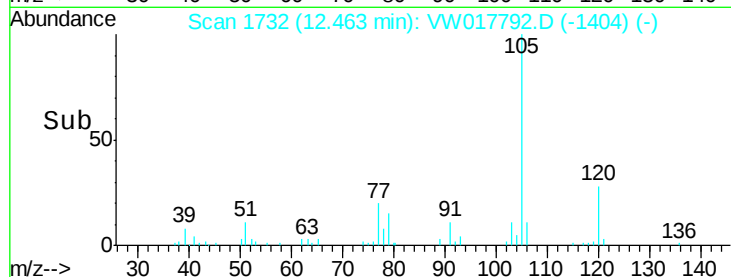
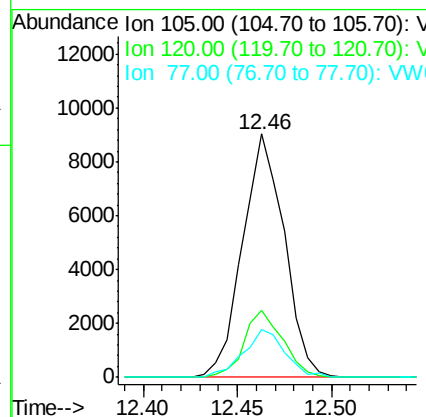
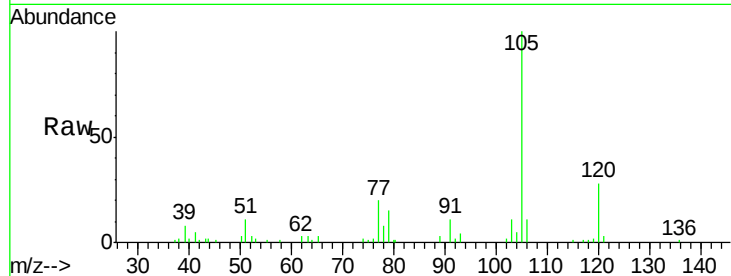
ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:	105	Resp:	13826
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.1	31.7
77	19.7	13.2	19.8

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#61

1,2,3-Trichloropropane

Concen: 0.946 ug/L

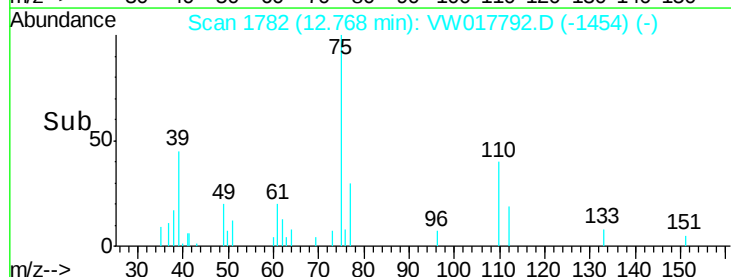
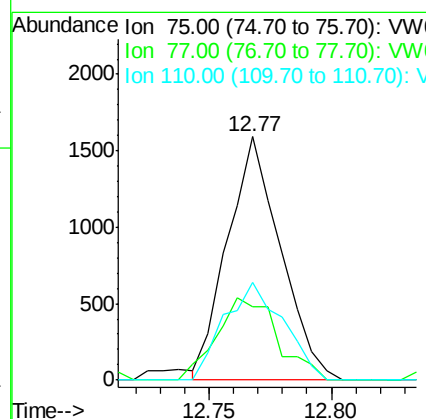
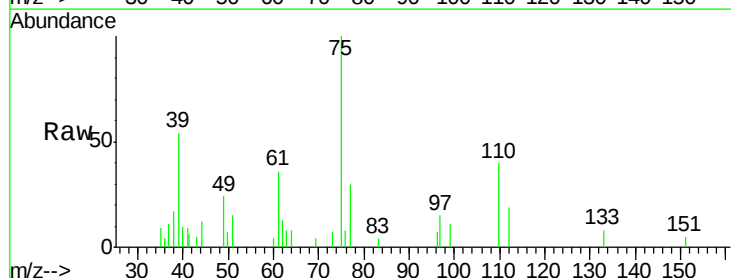
RT: 12.77 min Scan# 1782

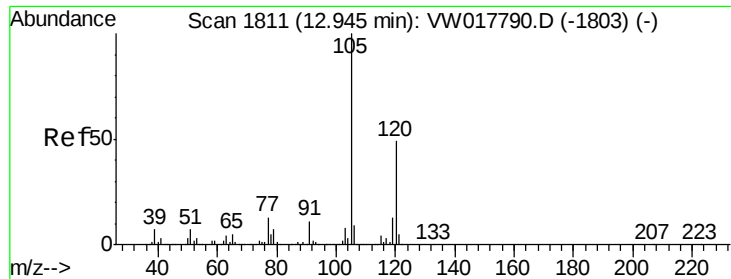
Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion:	75	Resp:	2405
Ion Ratio	Lower	Upper	
75	100		
77	34.9	25.3	37.9
110	44.7	32.6	48.8





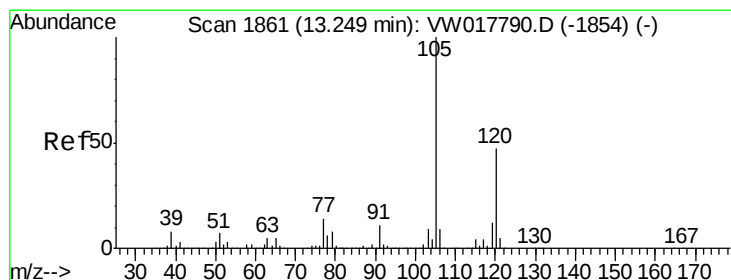
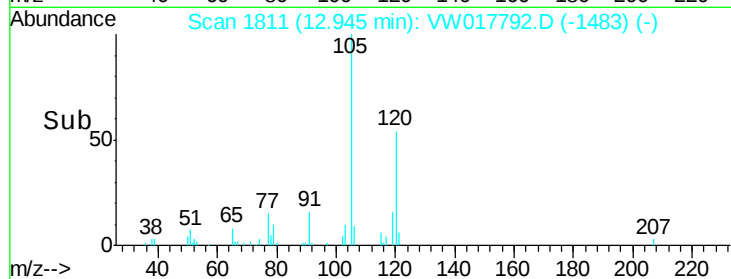
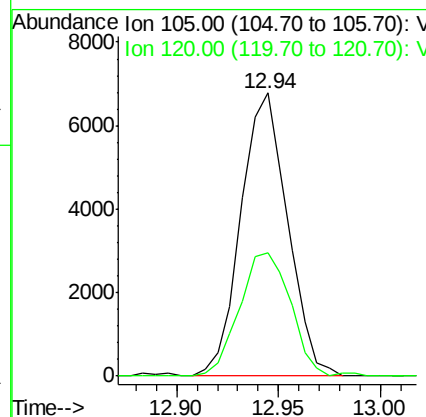
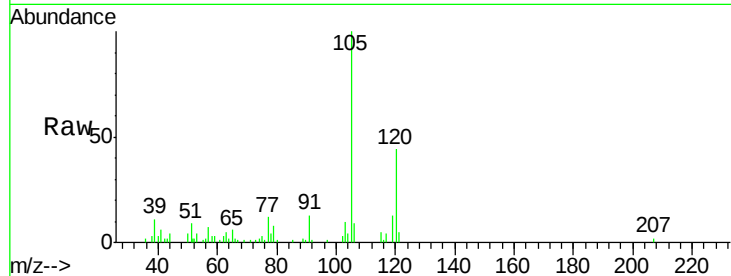
#62
 1,3,5-Trimethylbenzene
 Concen: 0.804 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.0	58.6

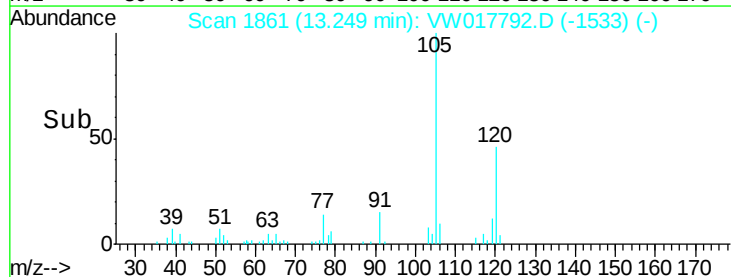
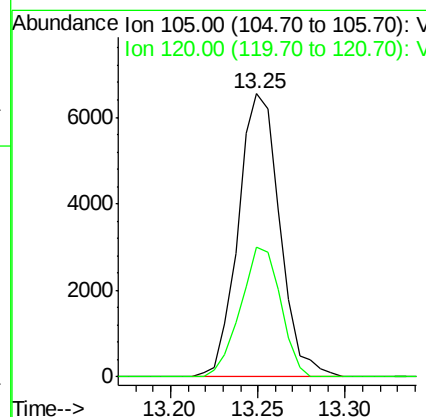
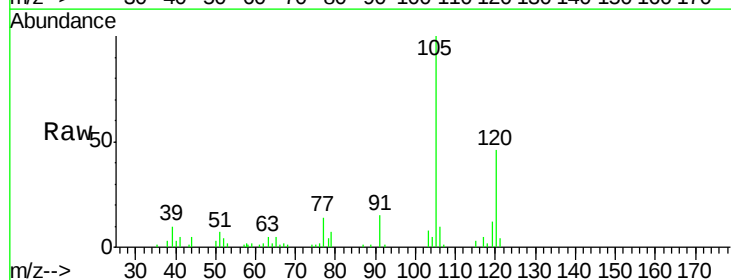
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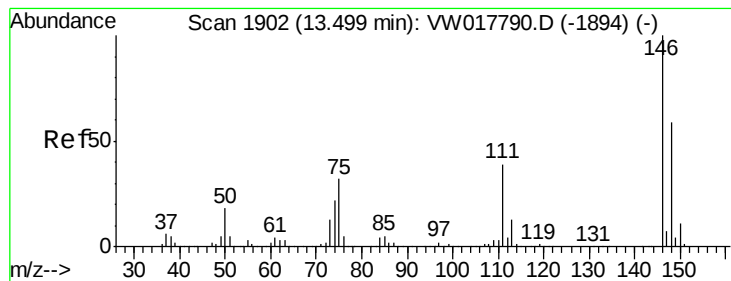
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.790 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	35.6	53.4





#64

1,3-Dichlorobenzene

Concen: 0.862 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

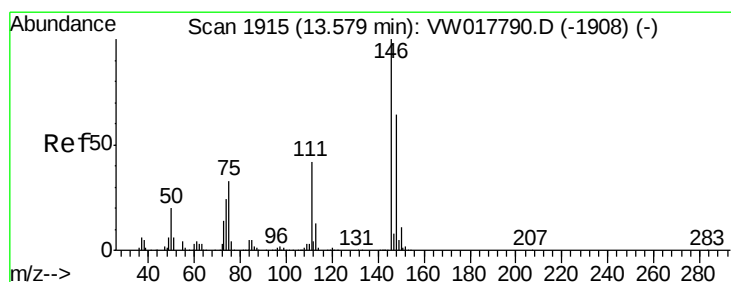
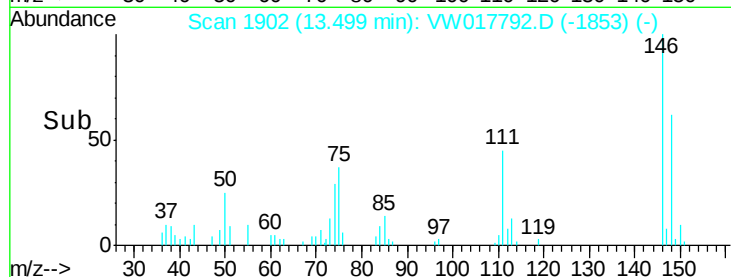
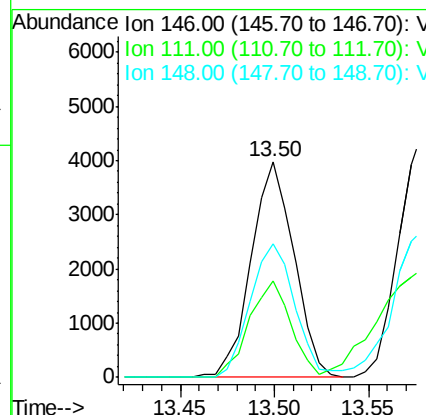
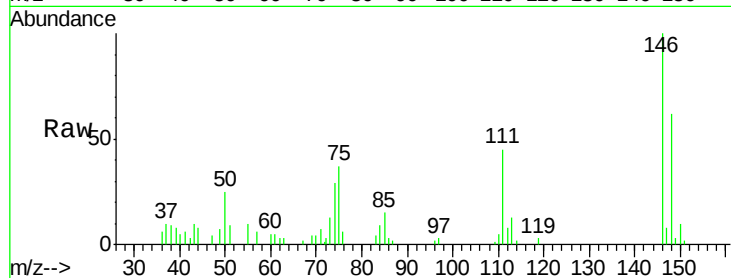
ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:	146	Resp:	6284
Ion	Ratio	Lower	Upper
146	100		
111	44.7	26.7	49.7
148	61.7	41.1	76.3

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#65

1,4-Dichlorobenzene

Concen: 0.963 ug/L

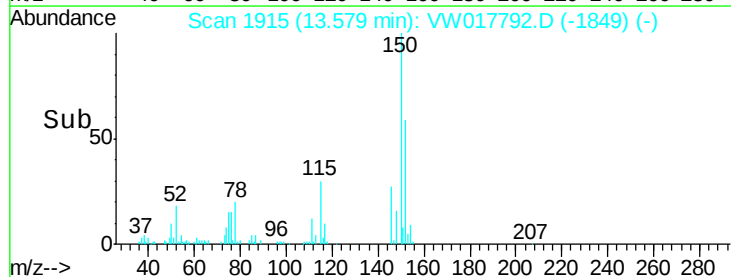
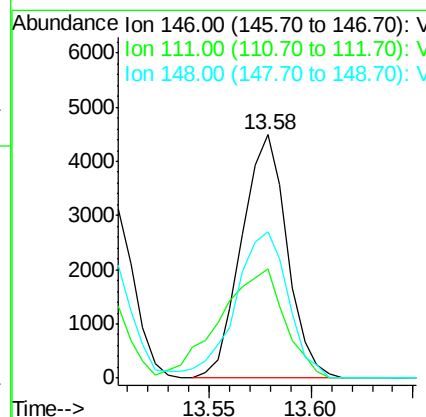
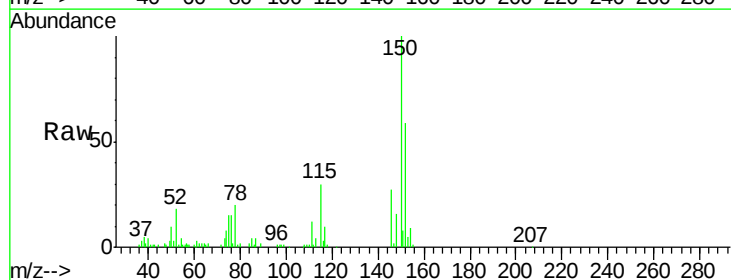
RT: 13.58 min Scan# 1915

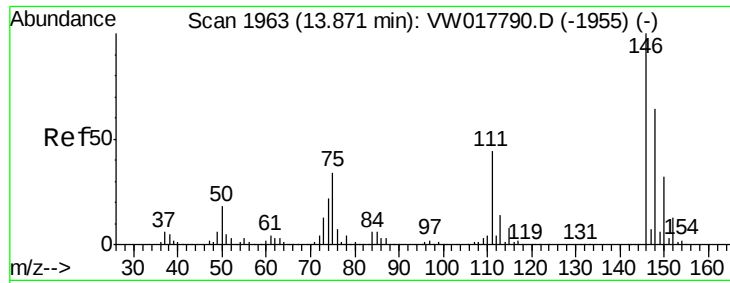
Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion:	146	Resp:	6976
Ion	Ratio	Lower	Upper
146	100		
111	44.8	28.8	53.4
148	59.9	46.8	87.0





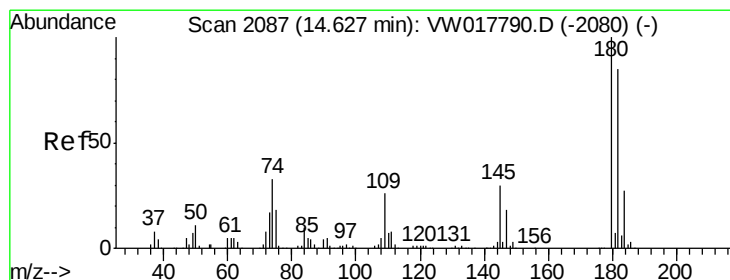
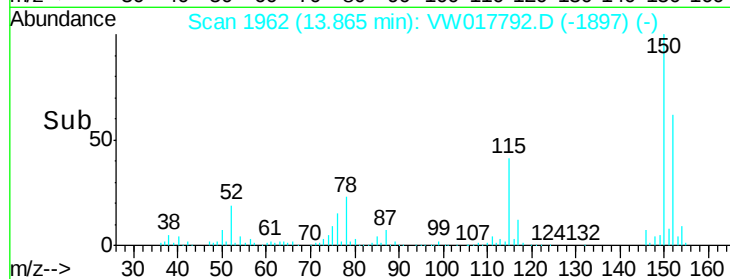
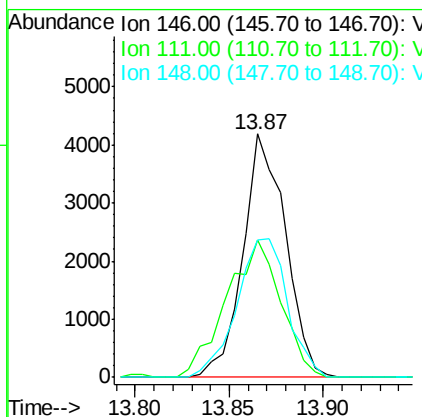
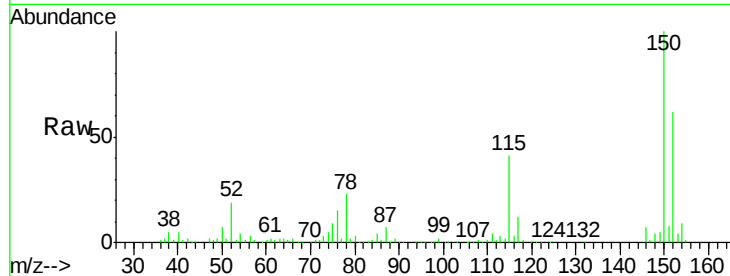
#67
 1,2-Dichlorobenzene
 Concen: 1.002 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
146	100		
111	56.3	33.2	49.8#
148	56.2	50.4	75.6

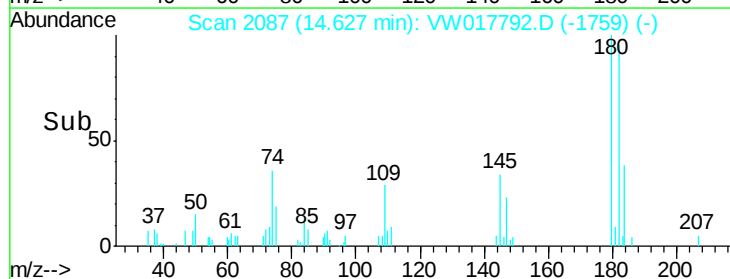
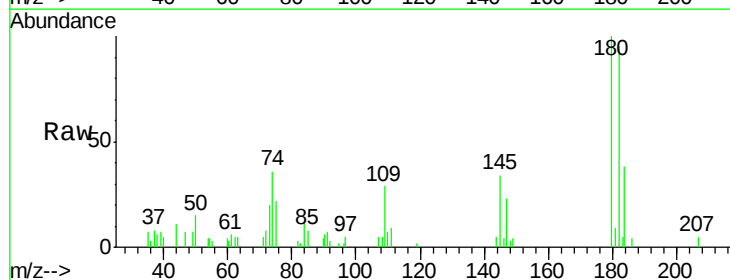
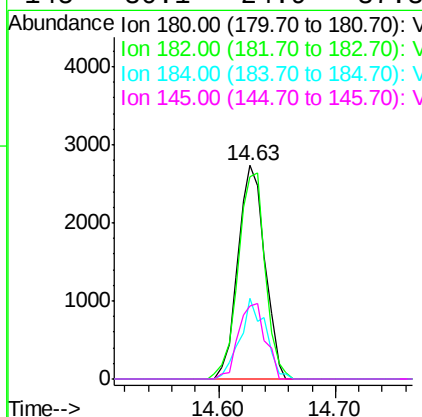
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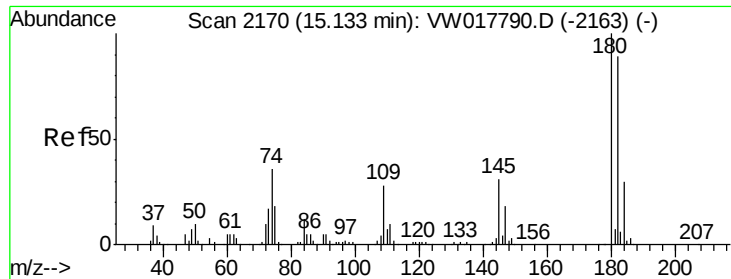
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#69
 1,3,5-Trichlorobenzene
 Concen: 0.888 ug/L m
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.2	73.4	110.2
184	26.4	23.6	35.4
145	30.1	24.9	37.3





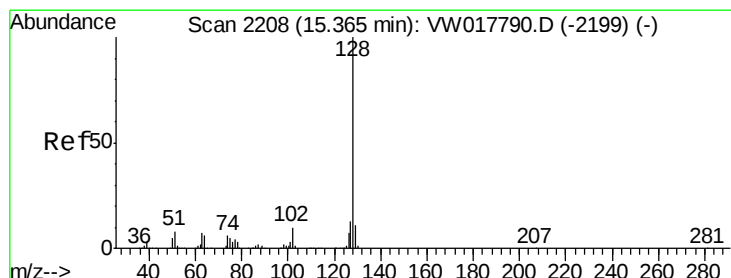
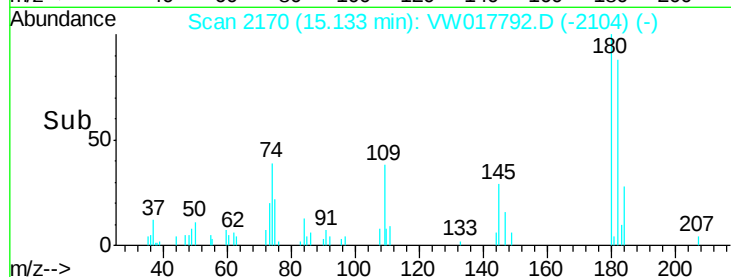
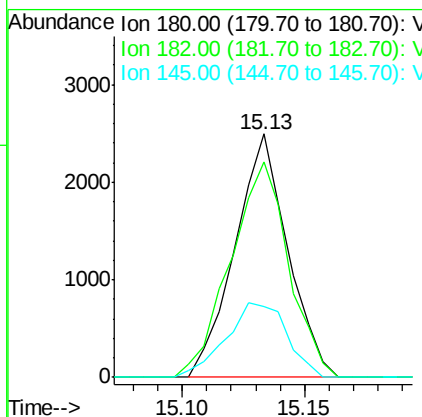
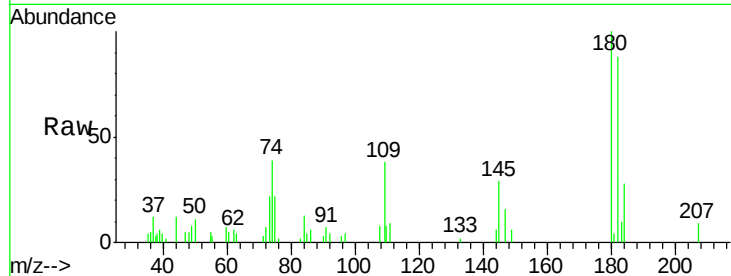
#70
1,2,4-trichlorobenzene
Concen: 0.876 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	74.7	112.1
145	35.2	25.0	37.4

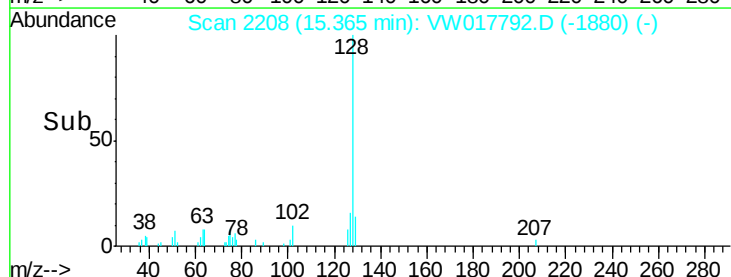
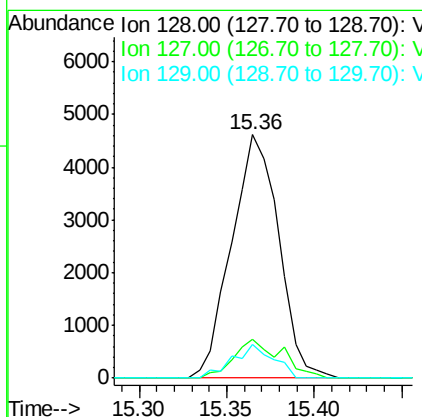
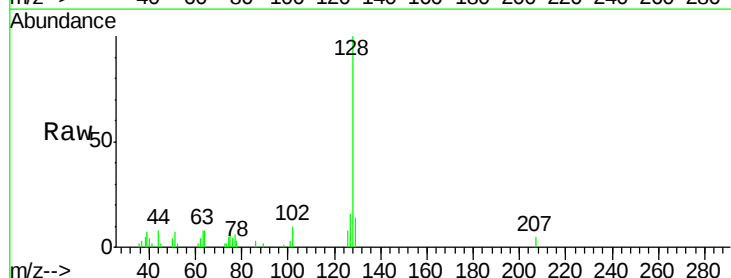
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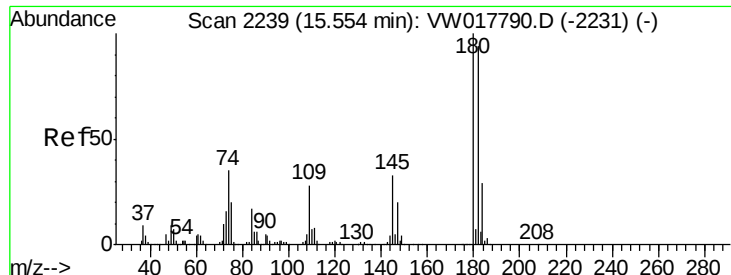
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#71
Naphthalene
Concen: 0.878 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	11.9	9.0	13.6





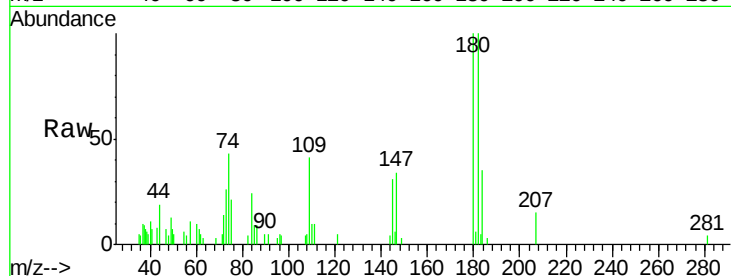
#72
 1,2,3-Trichlorobenzene
 Concen: 0.907 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	76.7	115.1
145	37.7	28.9	43.3

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

