

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW123020\
 Data File : VW017782.D
 Acq On : 30 Dec 2020 16:12
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 2:08:32 PM

Quant Time: Jan 02 13:12:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 31 06:01:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	299752	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276176	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	138633	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	127918	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.44%
7) Chloroethane-d5	2.89	69	108774	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
11) 1,1-Dichloroethene-d2	4.02	63	167394	19.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.08%
21) 2-Butanone-d5	7.07	46	63990	49.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.44%
24) Chloroform-d	7.65	84	208997	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	127340	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	8.27	84	416675	26.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.16%
36) 1,2-Dichloropropane-d6	9.27	67	118349	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.40%
41) Toluene-d8	10.32	98	386390	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
43) trans-1,3-Dichloropropene-	10.57	79	53461	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
47) 2-Hexanone-d5	10.93	63	45007	52.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.24%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	111228	25.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.40%
66) 1,2-Dichlorobenzene-d4	13.85	152	131242	25.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	3541	0.980 ug/L	# 84
3) Chloromethane	2.21	50	3467	1.103 ug/L	98
5) Vinyl chloride	2.36	62	5395m	1.041 ug/L	
6) Bromomethane	2.78	94	4091	0.892 ug/L	98
8) Chloroethane	2.93	64	3339	0.975 ug/L	90
9) Trichlorofluoromethane	3.25	101	2729m	0.775 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	4.05	101	4590m	1.137 ug/L	
12) 1,1-Dichloroethene	4.04	96	4567m	1.193 ug/L	
13) Acetone	4.12	43	1952m	2.234 ug/L	
14) Carbon disulfide	4.39	76	9286	0.846 ug/L	96
15) Methyl Acetate	4.67	43	1904m	1.009 ug/L	
16) Methylene chloride	4.92	84	11256	2.329 ug/L	94
17) trans-1,2-Dichloroethene	5.43	96	3620m	0.882 ug/L	
18) Methyl tert-butyl Ether	5.42	73	5255m	1.005 ug/L	
19) 1,1-Dichloroethane	6.21	63	6657	0.916 ug/L	92
20) cis-1,2-Dichloroethene	7.17	96	4293	0.978 ug/L	89
22) 2-Butanone	7.17	43	4791m	3.300 ug/L	

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Quant Time: Jan 02 13:12:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 31 06:01:18 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	1938	0.964	ug/L	79
25) Chloroform	7.68	83	8152	1.057	ug/L	100
27) 1,2-Dichloroethane	8.40	62	5625	1.021	ug/L #	95
29) Cyclohexane	7.95	56	5919m	0.913	ug/L	
30) 1,1,1-Trichloroethane	7.87	97	5632	0.887	ug/L	97
31) Carbon tetrachloride	8.07	117	5313	0.891	ug/L	98
33) Benzene	8.32	78	14618	0.906	ug/L	100
34) Trichloroethene	9.09	95	4125	0.937	ug/L	94
35) Methylcyclohexane	9.33	83	6340	0.841	ug/L	96
37) 1,2-Dichloropropane	9.37	63	3814	0.977	ug/L	97
38) Bromodichloromethane	9.65	83	5524	1.002	ug/L #	90
39) cis-1,3-Dichloropropene	10.07	75	5575	0.895	ug/L	90
42) Toluene	10.39	91	17425	0.954	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	6222	1.095	ug/L	94
45) 1,1,2-Trichloroethane	10.79	97	3249	0.992	ug/L	97
46) Tetrachloroethene	10.87	164	3201	0.948	ug/L	84
48) 2-Hexanone	10.97	43	5056	2.605	ug/L	94
49) Dibromochloromethane	11.13	129	3379	0.899	ug/L	96
50) 1,2-Dibromoethane	11.23	107	3161	0.976	ug/L #	98
51) Chlorobenzene	11.66	112	11124	0.960	ug/L	96
52) Ethylbenzene	11.73	91	18864	0.904	ug/L	97
53) m,p-Xylene	11.84	106	6992	0.866	ug/L	91
54) o-Xylene	12.16	106	6685	0.878	ug/L	91
55) Styrene	12.18	104	10308	0.791	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.71	83	4631	1.087	ug/L #	92
59) Bromoform	12.35	173	1462	0.705	ug/L #	89
60) Isopropylbenzene	12.46	105	17733	0.876	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	3206	1.053	ug/L #	89
62) 1,3,5-Trimethylbenzene	12.94	105	14242	0.885	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	13956	0.852	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	8050	0.922	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	8808	1.015	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	7999	1.020	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	6201	1.049	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	5330	1.042	ug/L	97
71) Naphthalene	15.36	128	11017	0.934	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	5113	1.137	ug/L	91

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

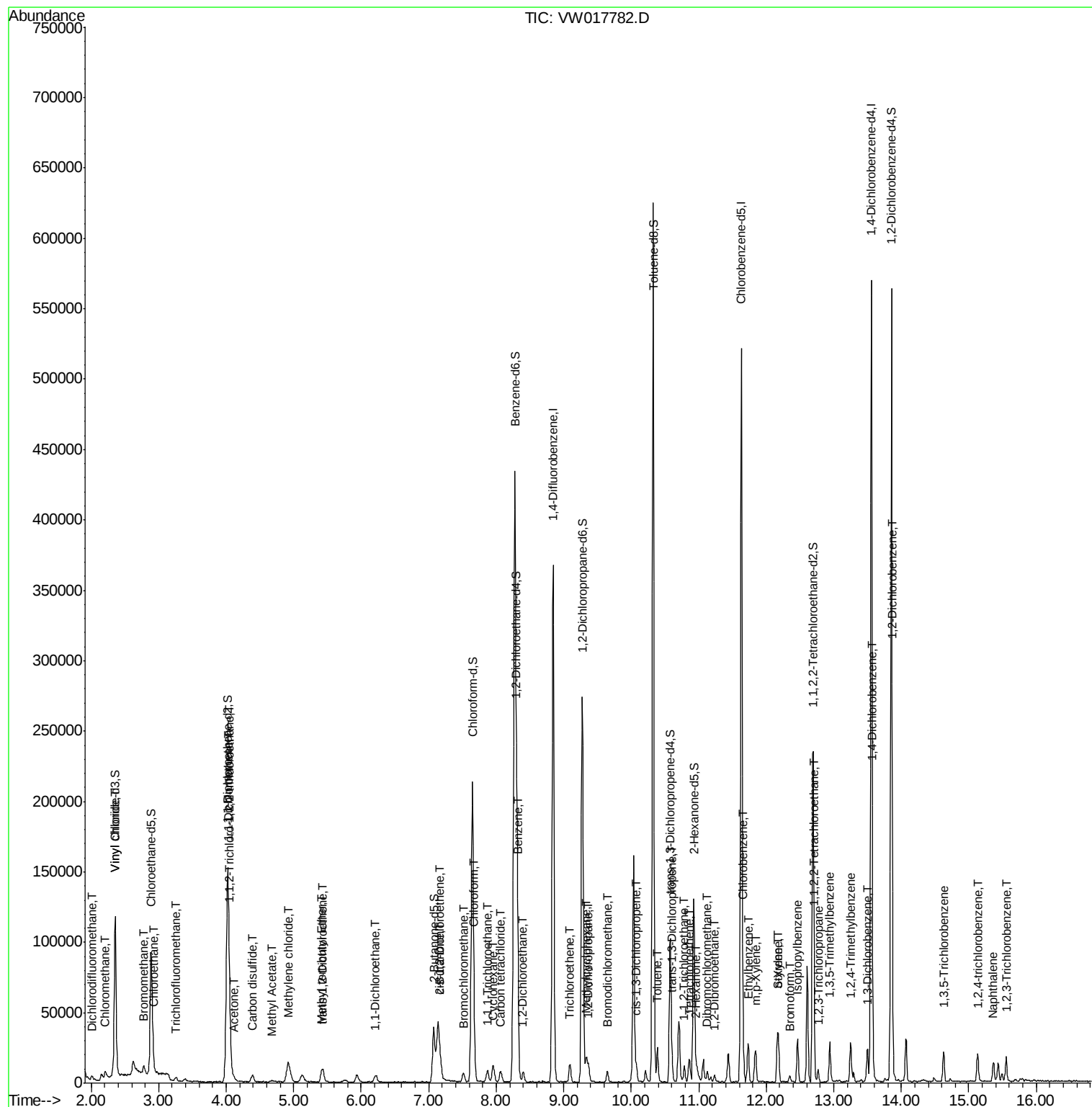
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW123020\
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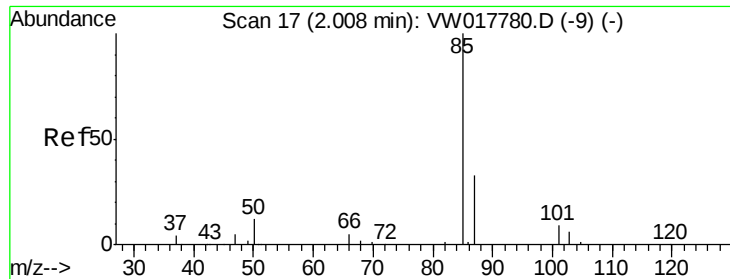
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 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.980 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion: 85 Resp: 3541

Ion Ratio Lower Upper

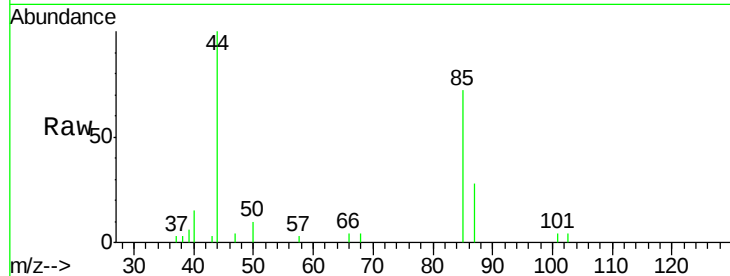
85 100

87 20.6 23.3 34.9#

Manual Integrations
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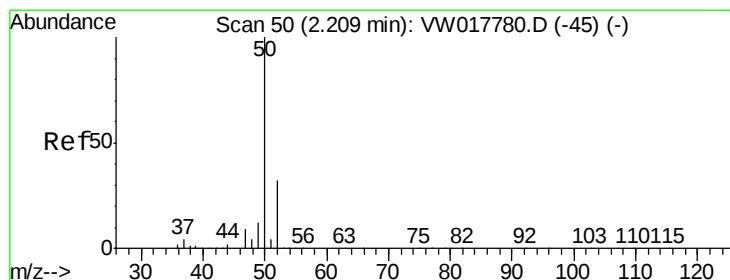
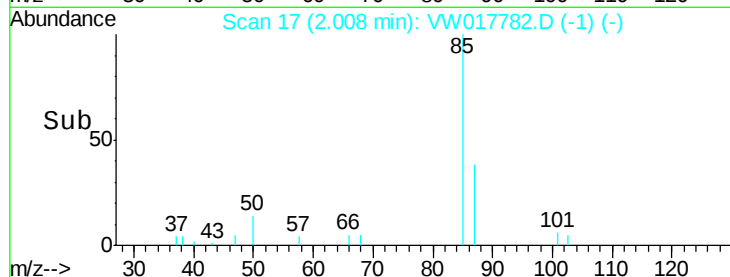
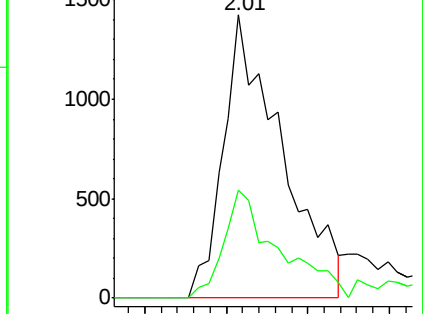
MMDadoda

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Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.103 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW017782.D

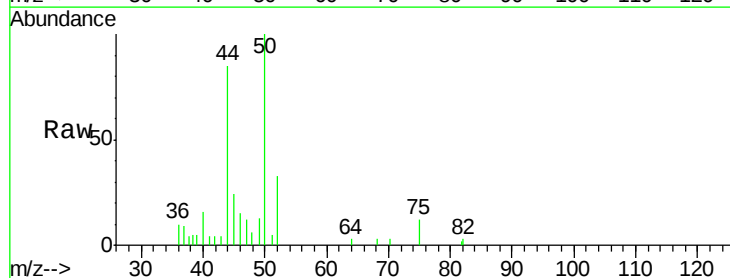
Acq: 30 Dec 2020 16:12

Tgt Ion: 50 Resp: 3467

Ion Ratio Lower Upper

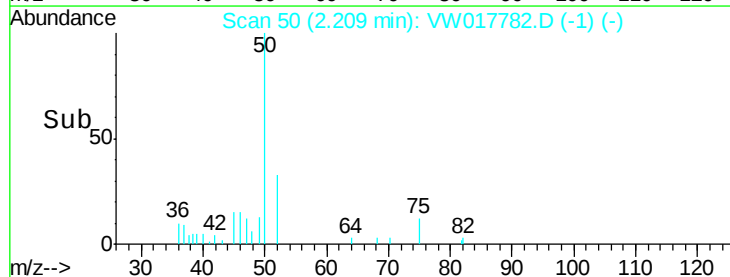
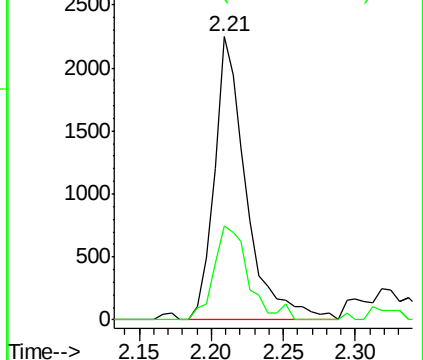
50 100

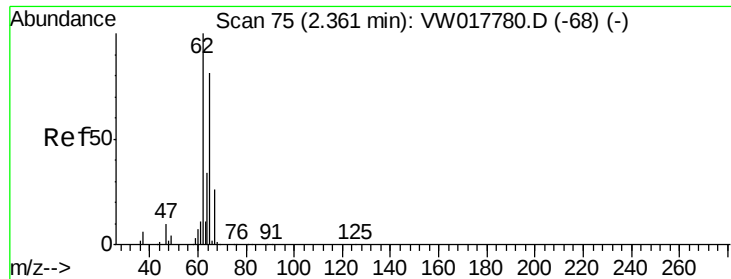
52 33.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.041 ug/L m

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion: 62 Resp: 5395

Ion Ratio Lower Upper

62 100

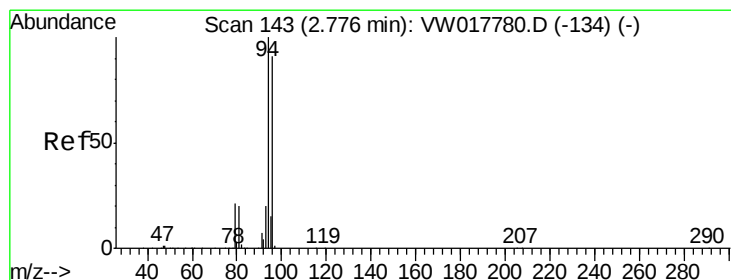
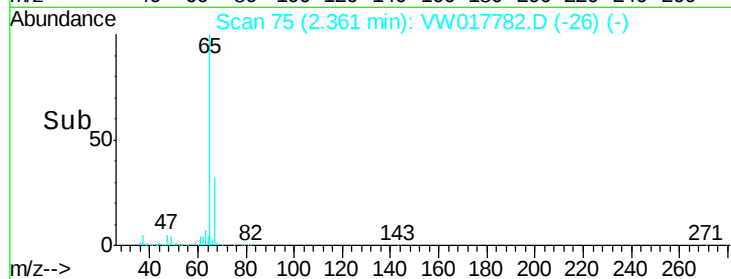
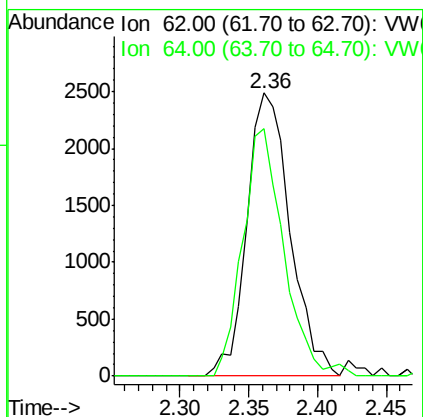
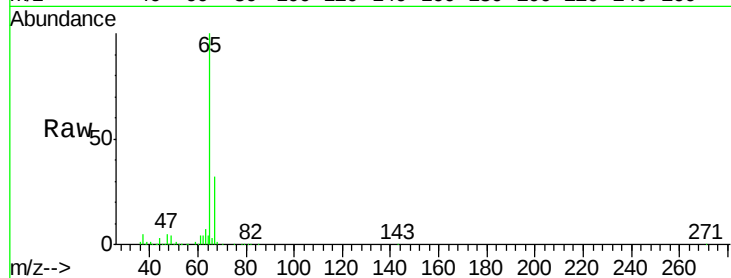
64 87.5 24.2 45.0#

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#6

Bromomethane

Concen: 0.892 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW017782.D

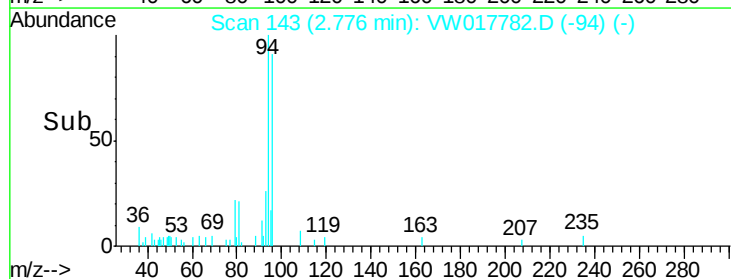
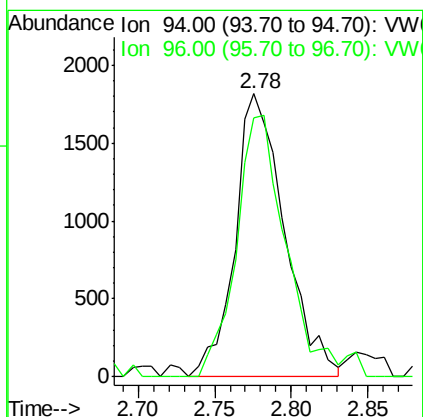
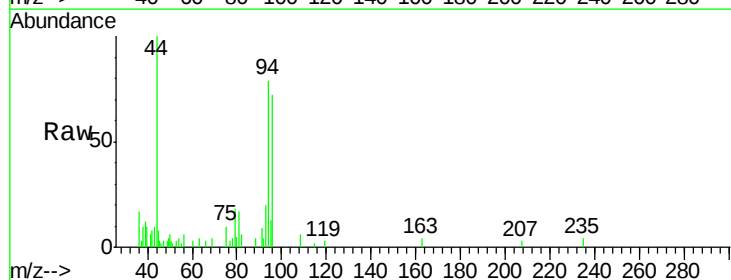
Acq: 30 Dec 2020 16:12

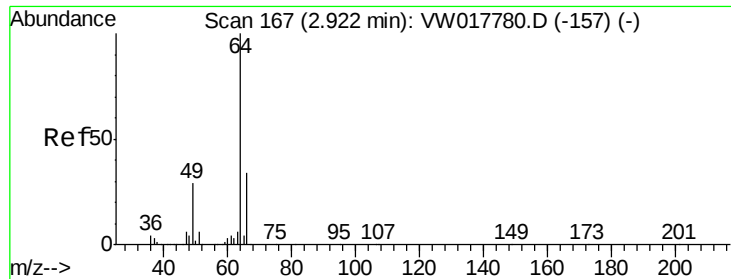
Tgt Ion: 94 Resp: 4091

Ion Ratio Lower Upper

94 100

96 91.3 65.3 121.3





#8

Chloroethane

Concen: 0.975 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion: 64 Resp: 3339

Ion Ratio Lower Upper

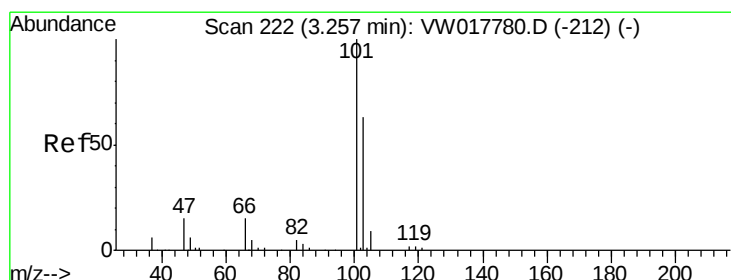
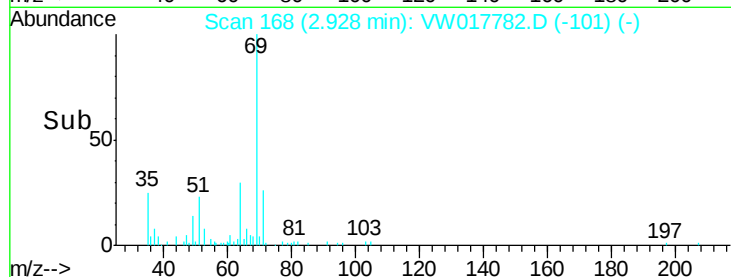
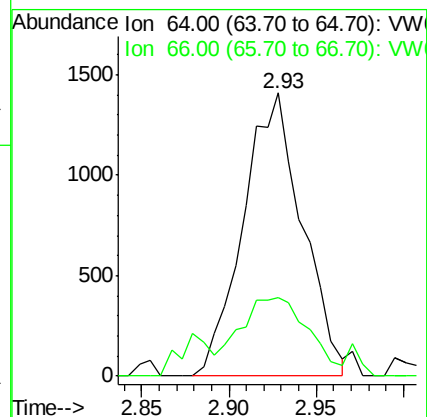
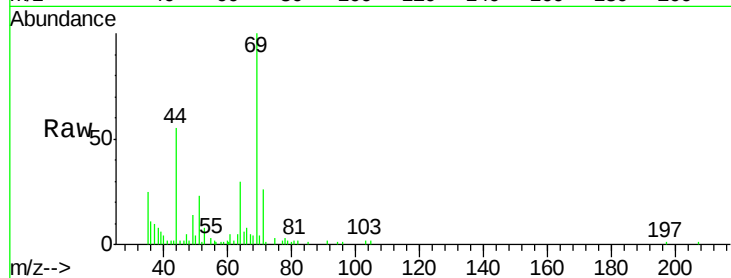
64 100

66 27.6 23.4 43.6

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.775 ug/L m

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW017782.D

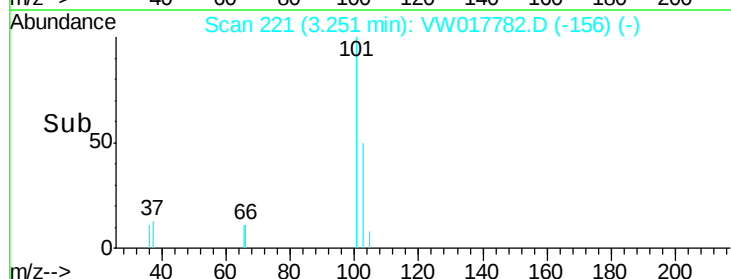
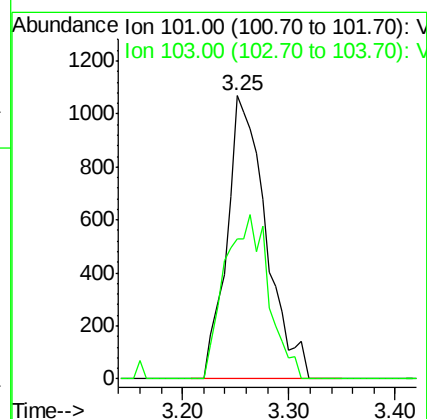
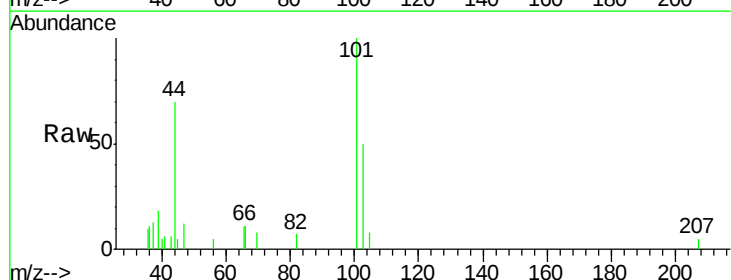
Acq: 30 Dec 2020 16:12

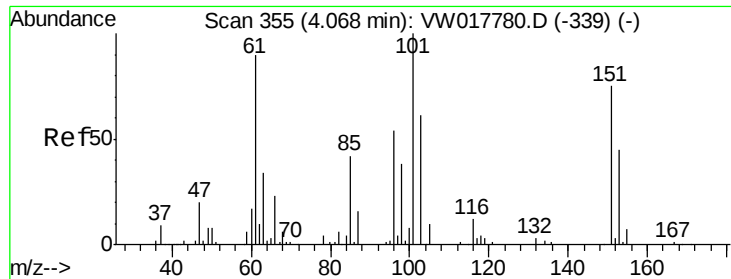
Tgt Ion: 101 Resp: 2729

Ion Ratio Lower Upper

101 100

103 65.0 51.0 76.4





#10

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

Concen: 1.137 ug/L m

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

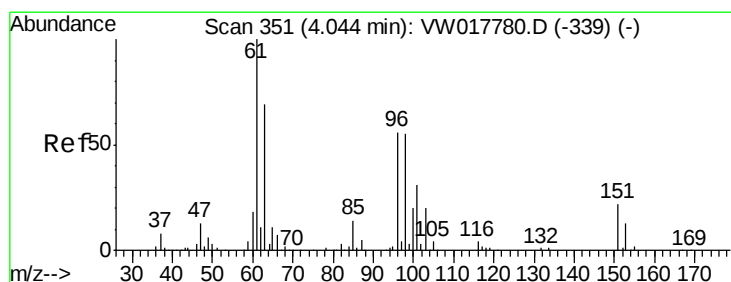
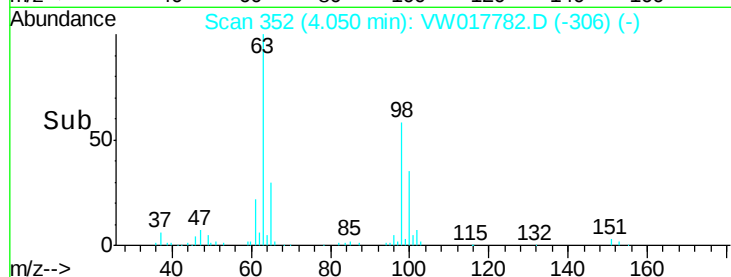
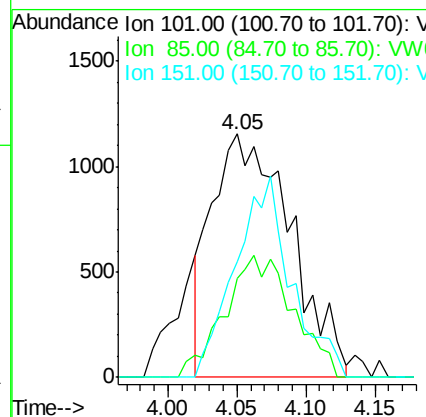
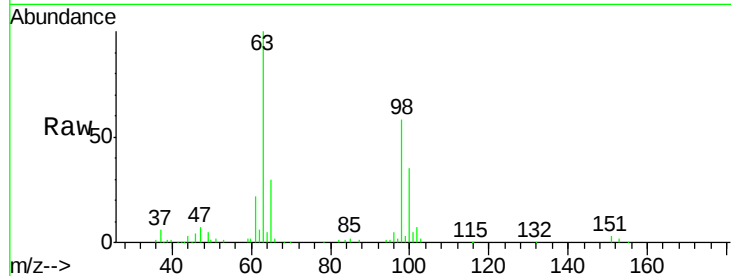
ClientSampleId :

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Tot Ion:	101	Resp:	4590
Ion Ratio	Lower	Upper	
101	100		
85	17.5	38.2	57.2#
151	56.4	56.6	85.0#

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#12

1,1-Dichloroethene

Concen: 1.193 ug/L m

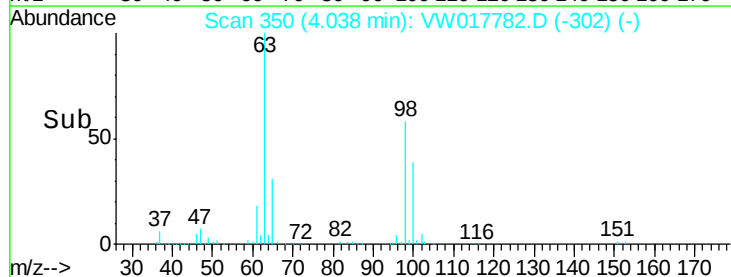
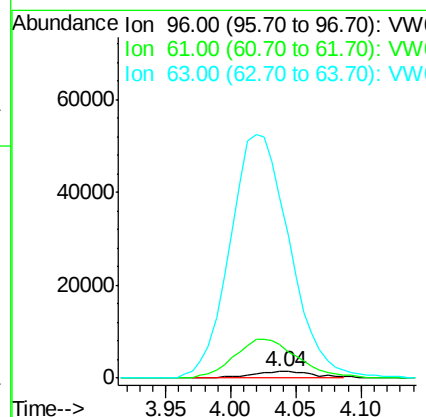
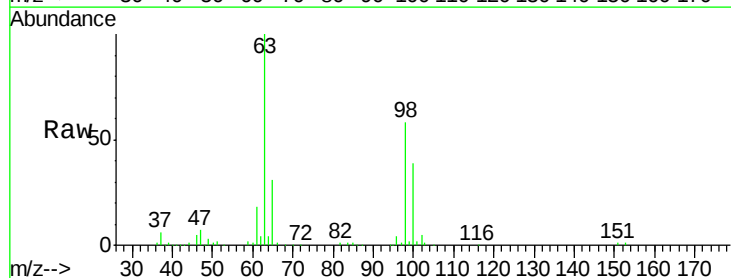
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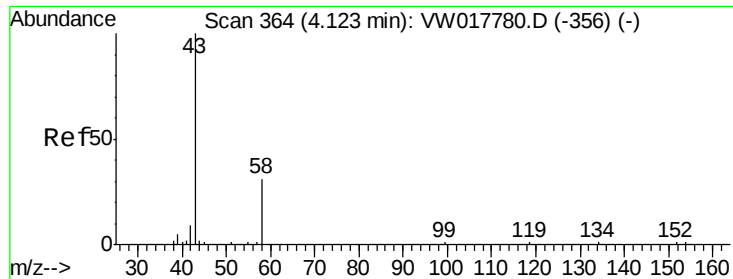
Delta R.T. -0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tgt Ion:	96	Resp:	4567
Ion Ratio	Lower	Upper	
96	100		
61	515.2	118.1	219.3#
63	2788.0	83.7	155.5#





#13

Acetone

Concen: 2.234 ug/L m

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tot Ion: 43 Resp: 1952

Ion Ratio Lower Upper

43 100

58 8.3 0.0 53.8

Instrument :

MSVOA_W

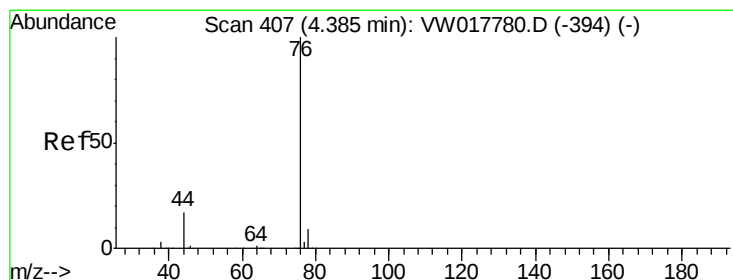
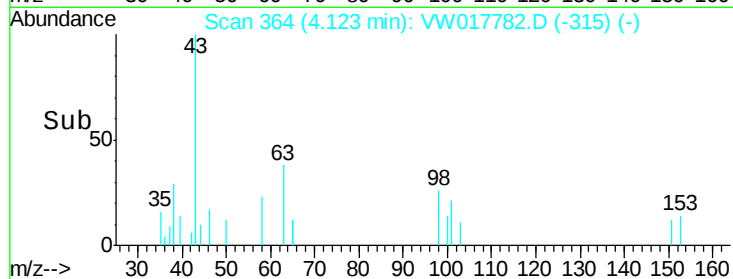
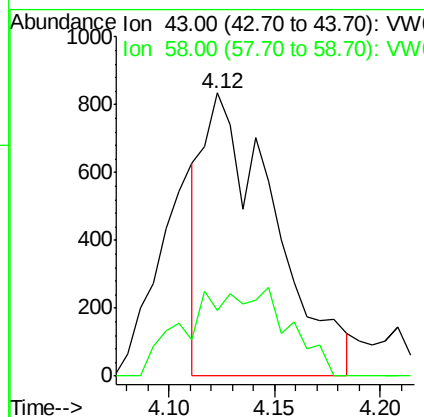
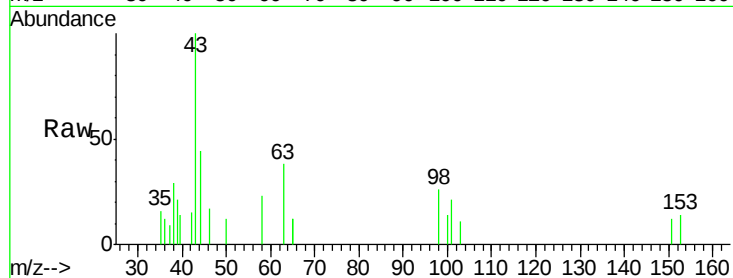
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#14

Carbon disulfide

Concen: 0.846 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017782.D

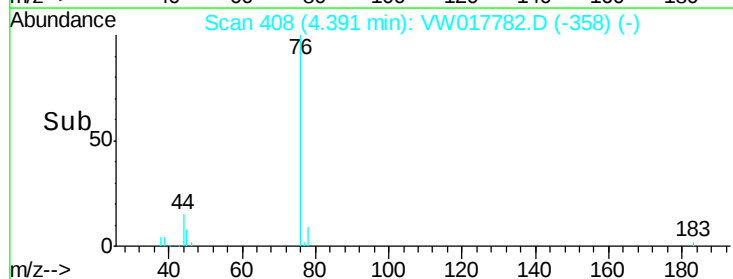
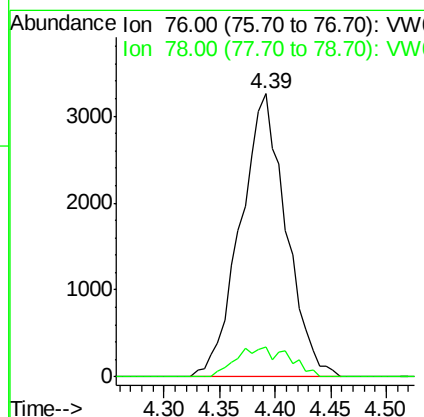
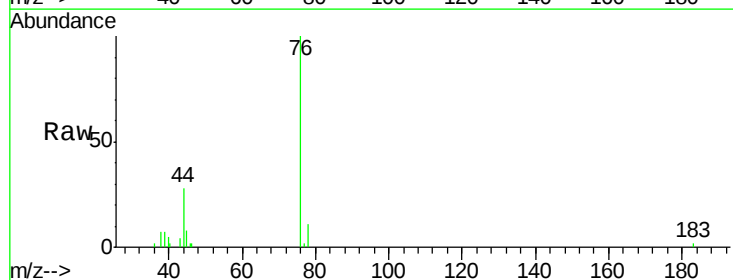
Acq: 30 Dec 2020 16:12

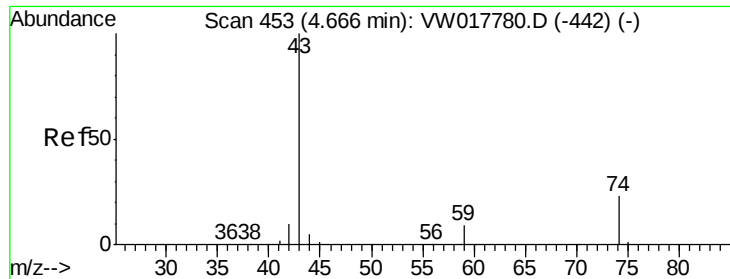
Tgt Ion: 76 Resp: 9286

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.0





#15

Methyl Acetate

Concen: 1.009 ug/L m

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion: 43 Resp: 1904

Ion Ratio Lower Upper

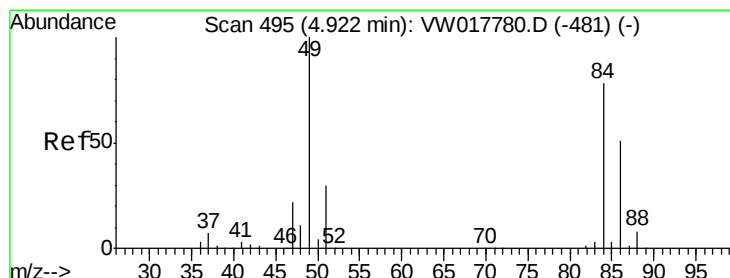
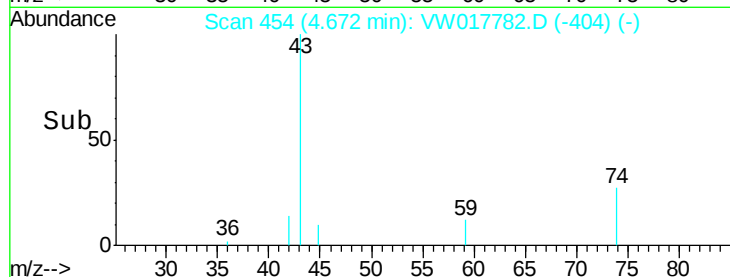
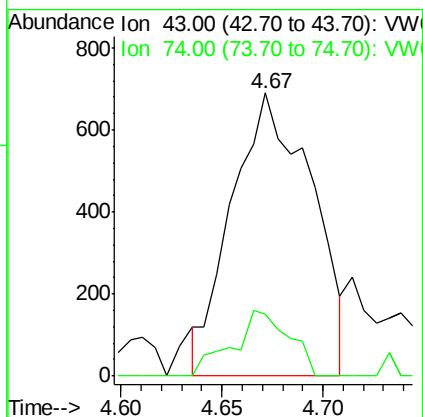
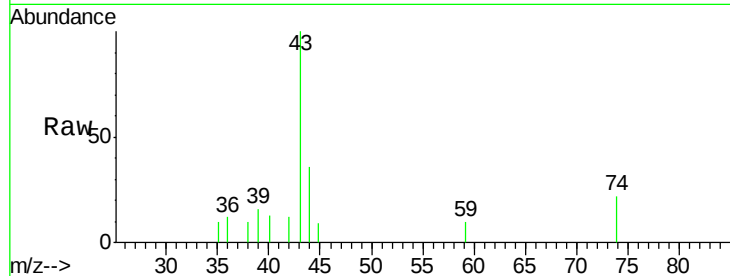
43 100

74 11.5 20.0 30.0#

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#16

Methylene chloride

Concen: 2.329 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

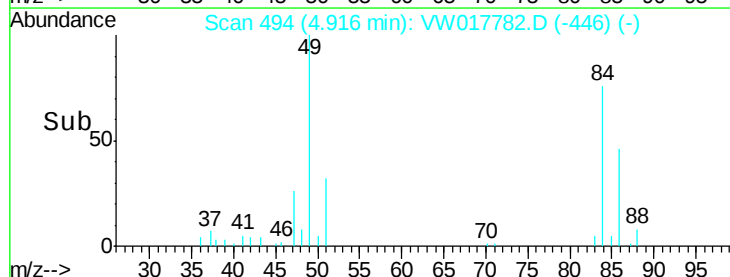
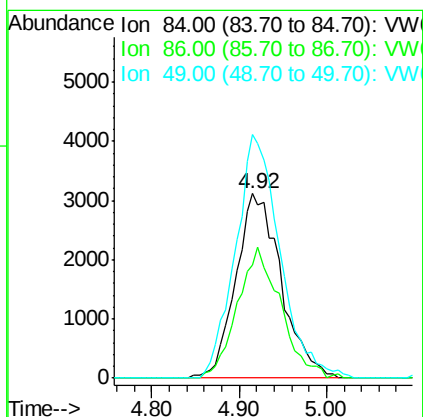
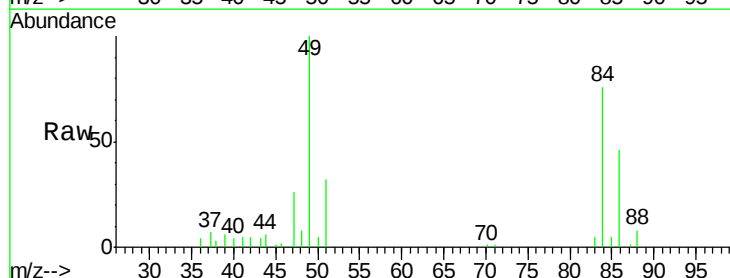
Tgt Ion: 84 Resp: 11256

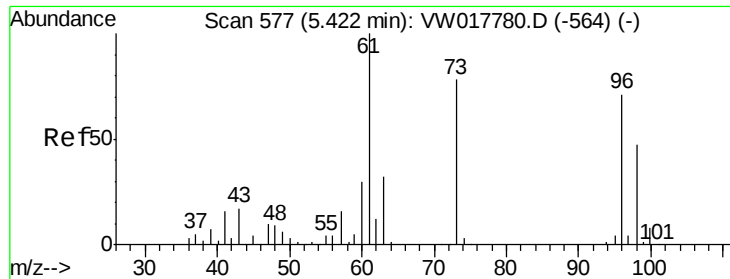
Ion Ratio Lower Upper

84 100

86 61.2 45.3 84.1

49 132.1 86.6 160.8





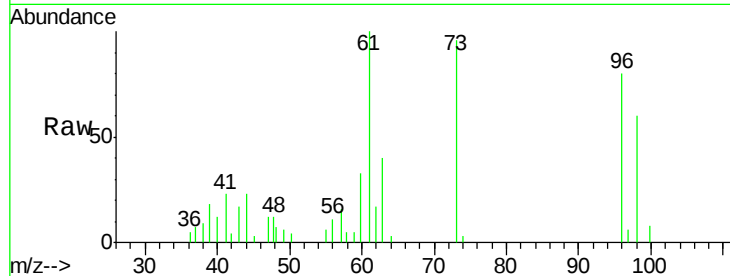
#17
trans-1,2-Dichloroethene
Concen: 0.882 ug/L m
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

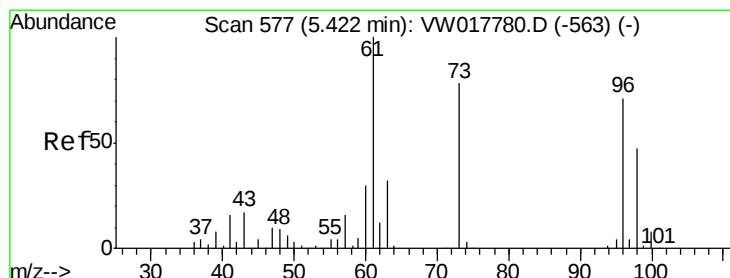
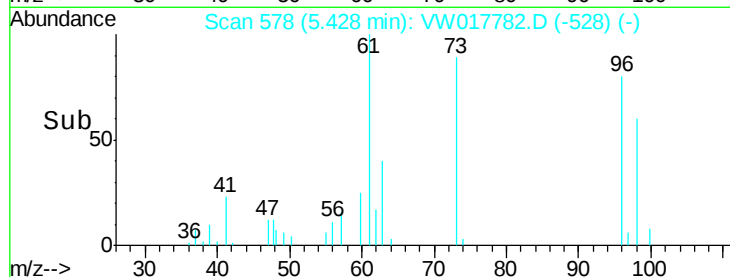
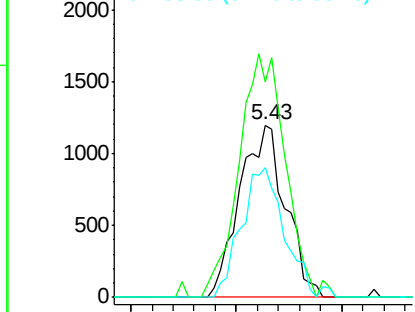
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	98.3	182.7
98	75.0	46.1	85.7

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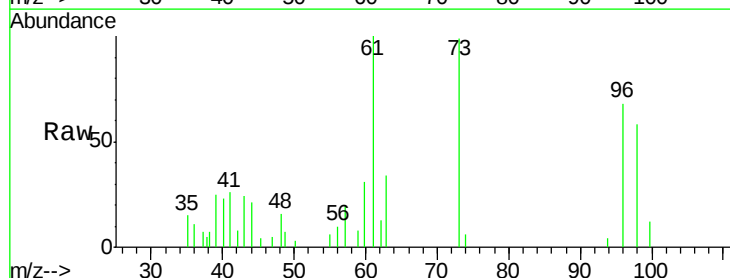


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

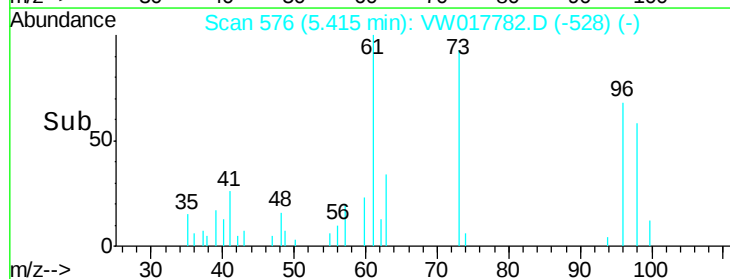
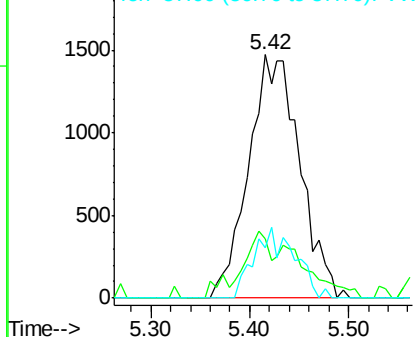


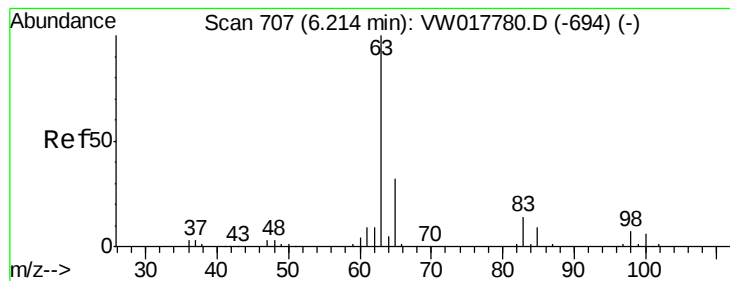
#18
Methyl tert-butyl Ether
Concen: 1.005 ug/L m
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	12.7	17.7	26.5#
57	13.0	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: 0.916 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

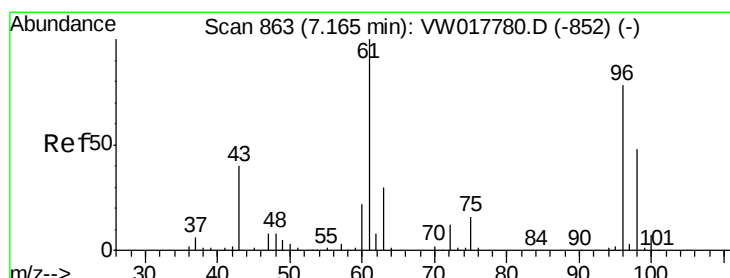
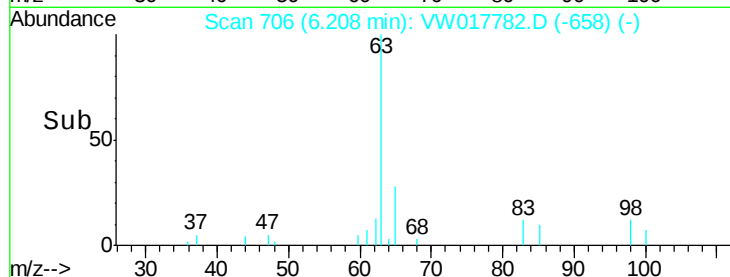
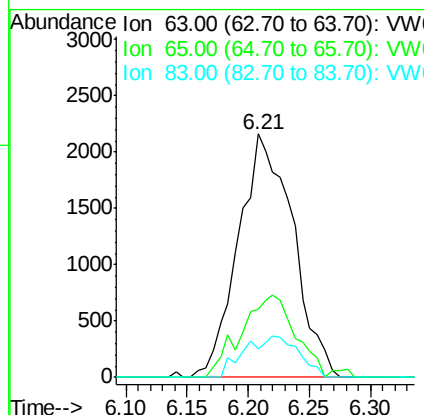
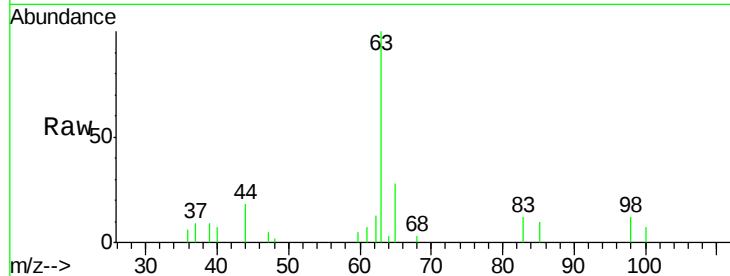
ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion:	63	Resp:	6657
Ion	Ratio	Lower	Upper
63	100		
65	27.8	22.9	42.5
83	11.9	10.2	19.0

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#20

cis-1,2-Dichloroethene

Concen: 0.978 ug/L

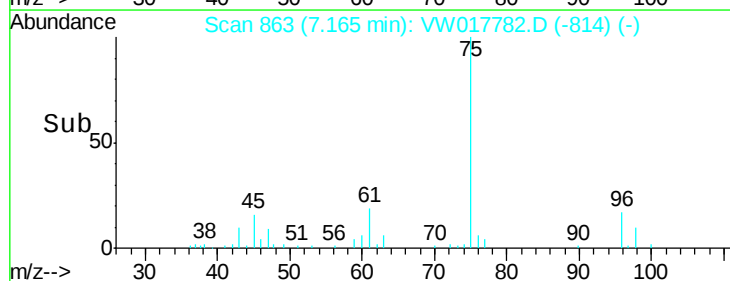
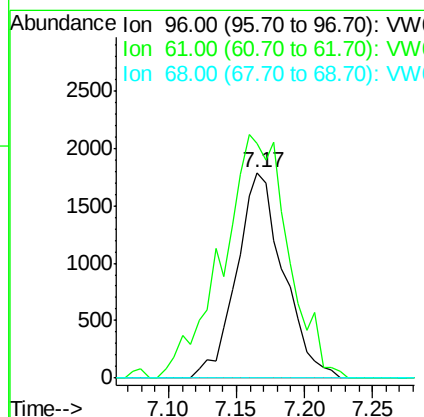
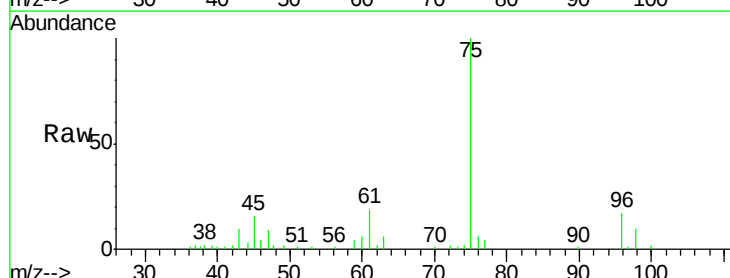
RT: 7.17 min Scan# 863

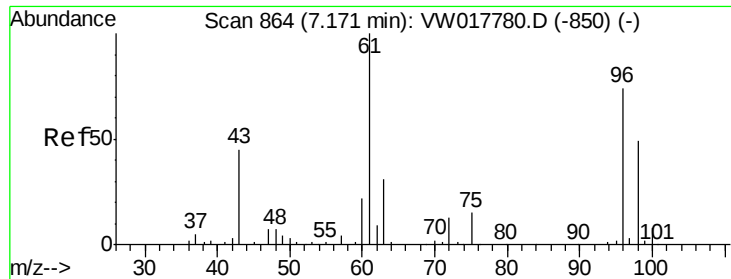
Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tgt Ion:	96	Resp:	4293
Ion	Ratio	Lower	Upper
96	100		
61	114.0	88.5	164.3
68	0.0	0.0	0.0





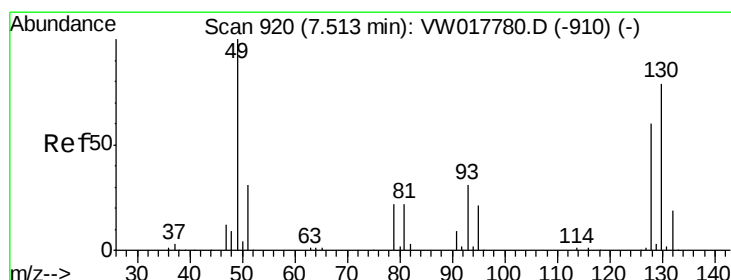
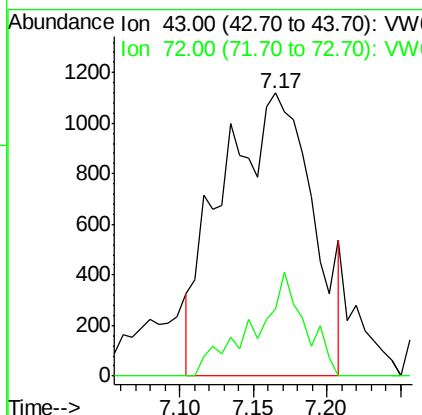
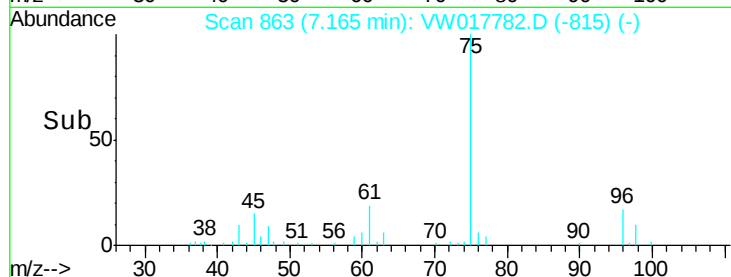
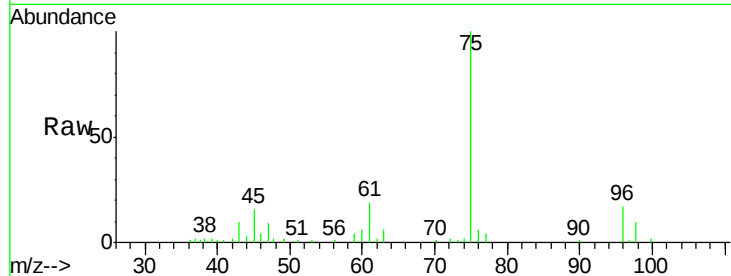
#22
2-Butanone
Concen: 3.300 ug/L m
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion: 43 Resp: 4791
Ion Ratio Lower Upper
43 100
72 13.8 14.9 44.7#

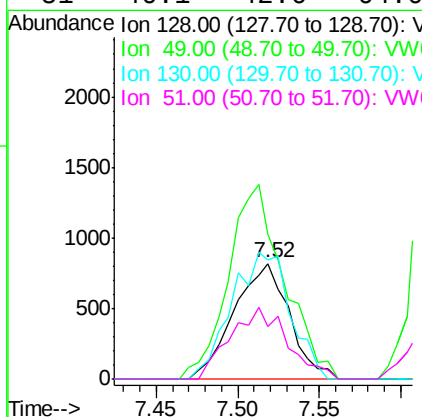
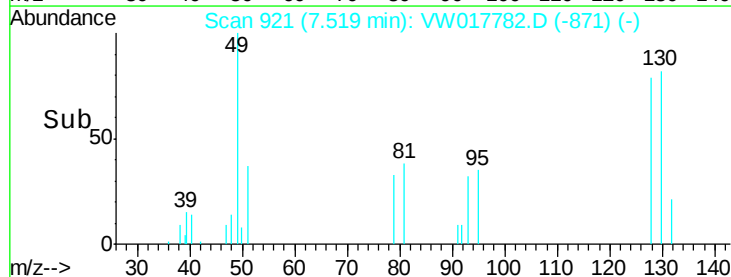
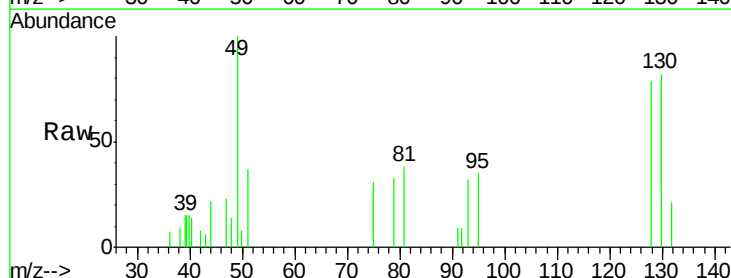
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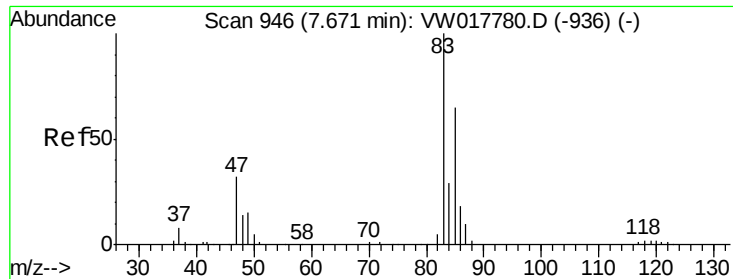
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#23
Bromochloromethane
Concen: 0.964 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion:128 Resp: 1938
Ion Ratio Lower Upper
128 100
49 125.8 116.3 215.9
130 103.4 82.4 153.0
51 46.1 42.6 64.0





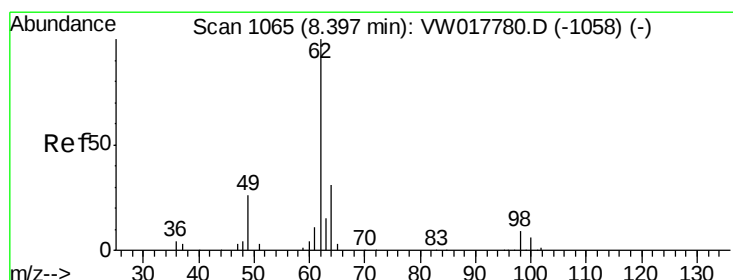
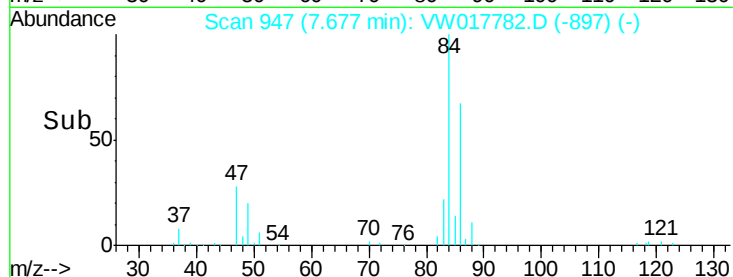
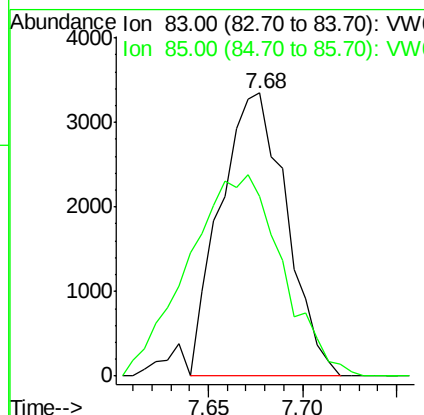
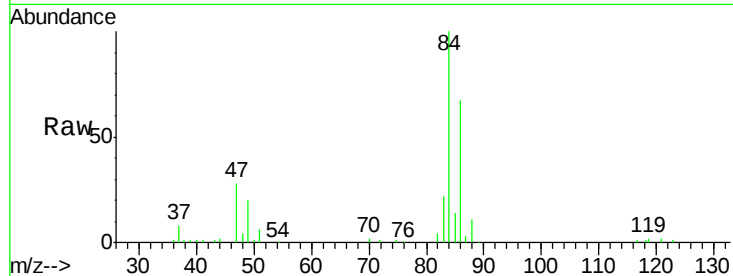
#25
Chloroform
Concen: 1.057 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion	83	Resp	8152
Ion Ratio	100	Lower	Upper
85	63.5	44.6	82.8

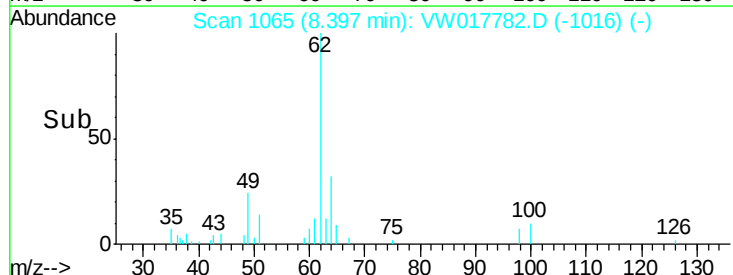
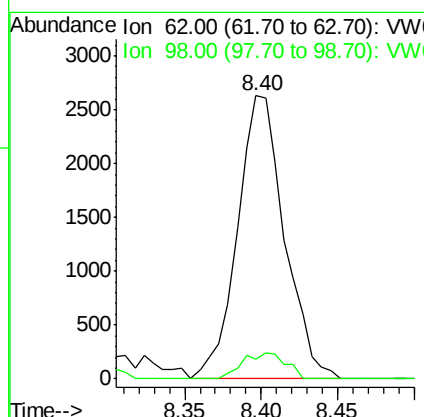
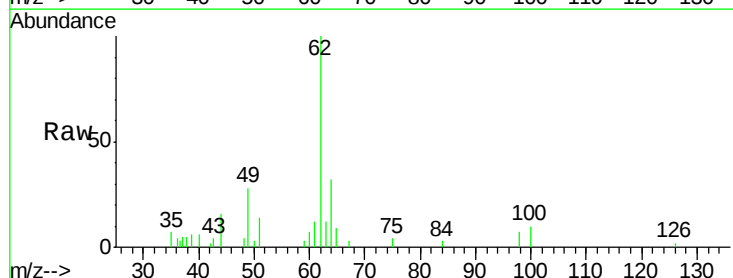
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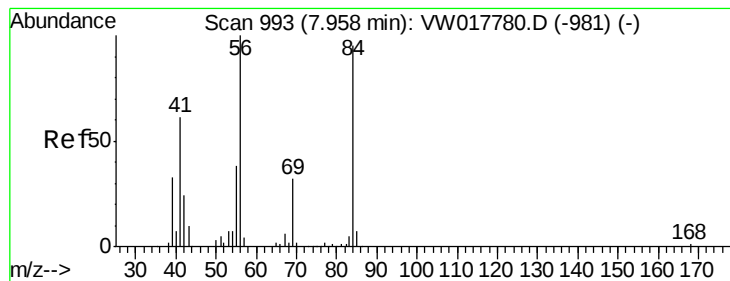
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#27
1,2-Dichloroethane
Concen: 1.021 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	62	Resp	5625
Ion Ratio	100	Lower	Upper
98	6.8	6.9	10.3#





#29

Cyclohexane

Concen: 0.913 ug/L m

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

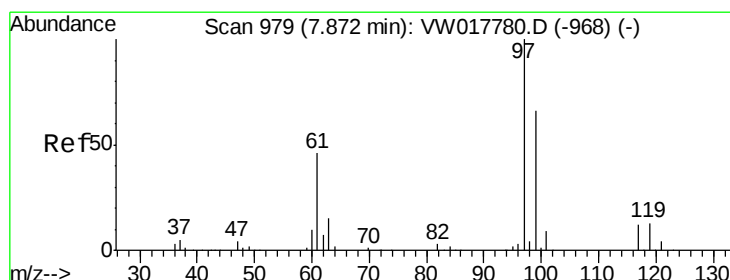
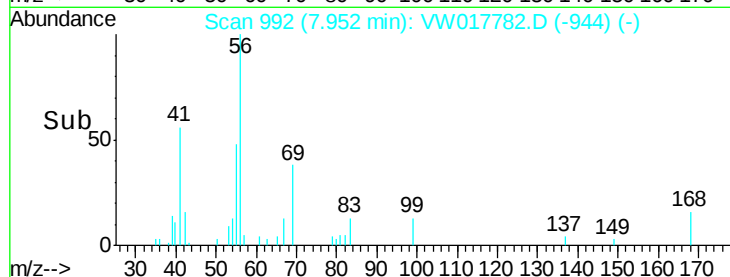
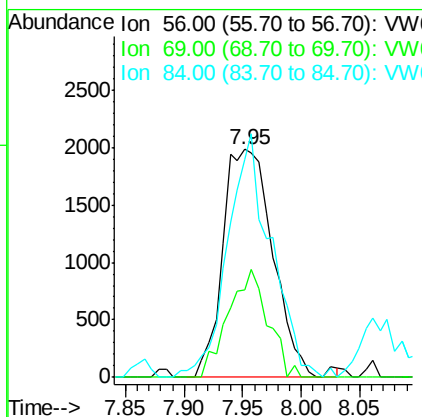
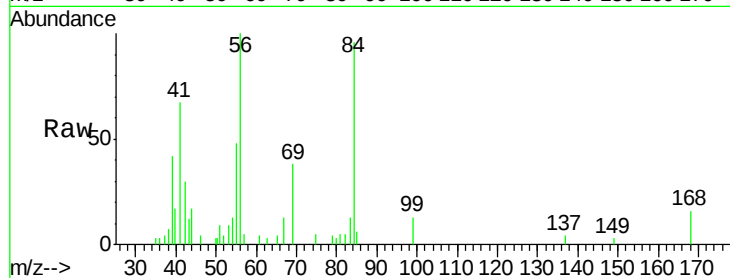
ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion:	56	Resp:	5919
Ion Ratio	Lower	Upper	
56	100		
69	36.7	24.5	36.7
84	72.0	75.0	112.4#

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#30

1,1,1-Trichloroethane

Concen: 0.887 ug/L

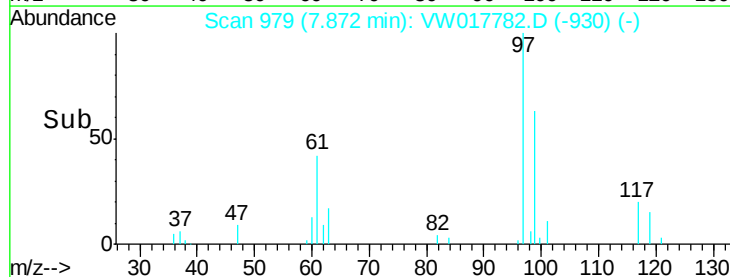
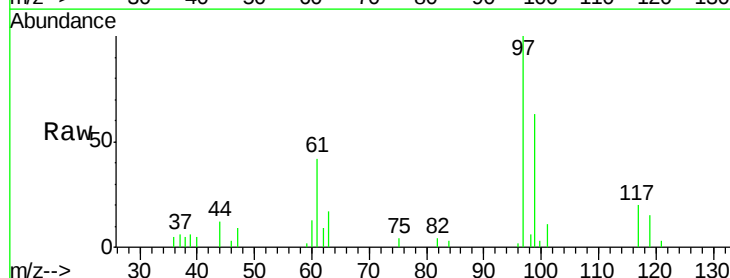
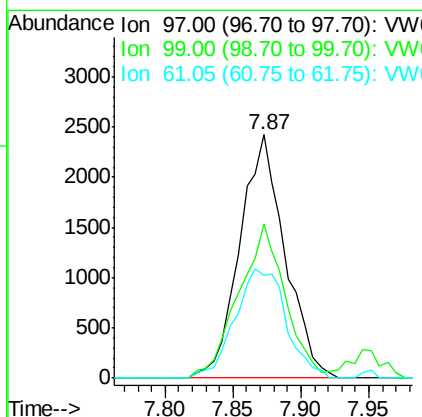
RT: 7.87 min Scan# 979

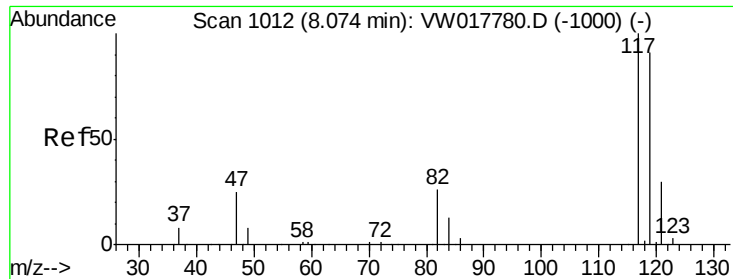
Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tgt Ion:	97	Resp:	5632
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.4	77.2
61	50.7	37.8	56.6





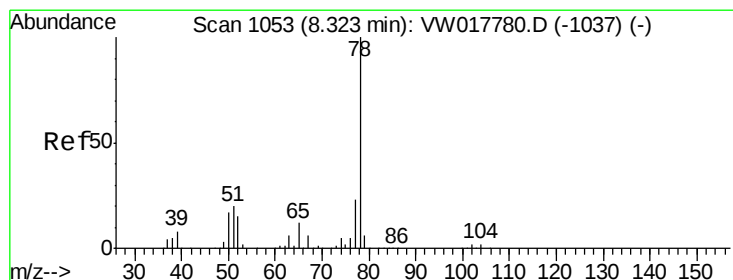
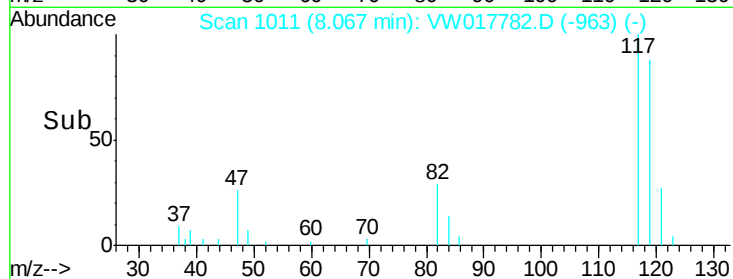
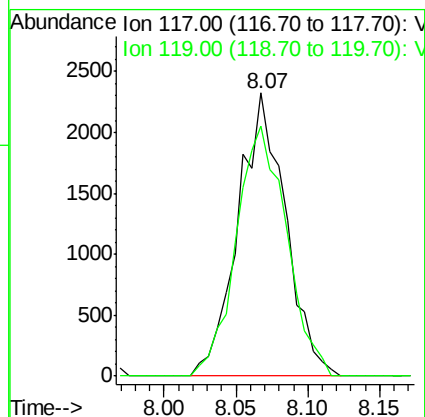
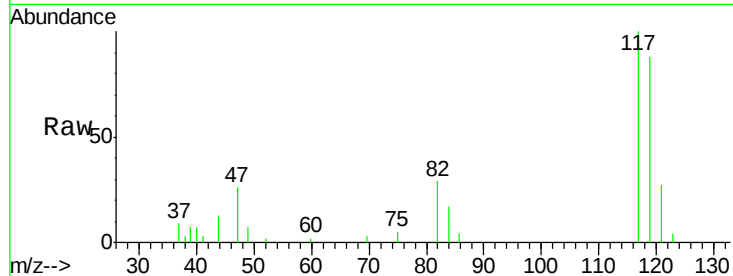
#31
Carbon tetrachloride
Concen: 0.891 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion:117 Resp: 5313
Ion Ratio Lower Upper
117 100
119 93.8 76.5 114.7

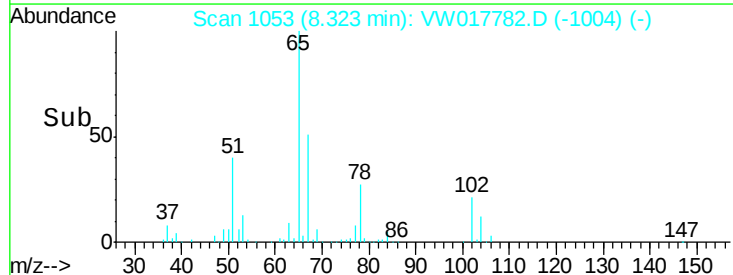
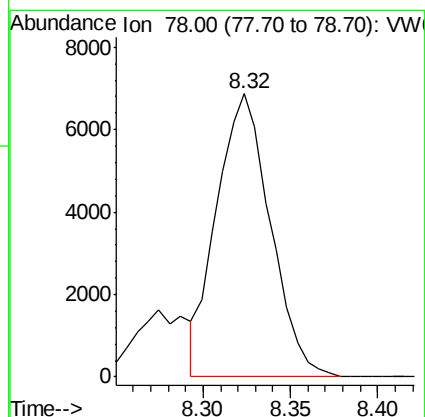
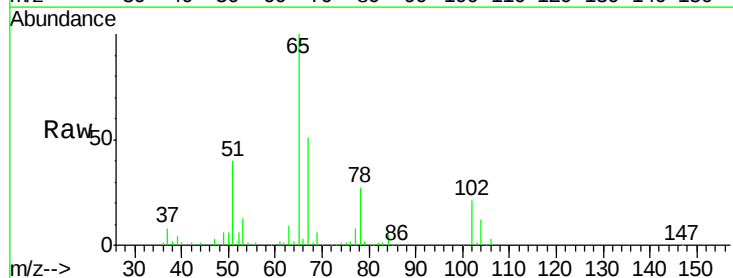
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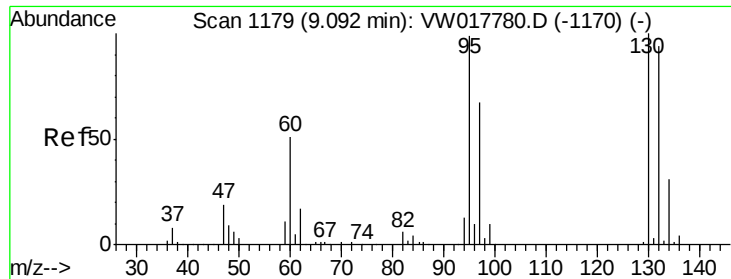
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#33
Benzene
Concen: 0.906 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion: 78 Resp: 14618





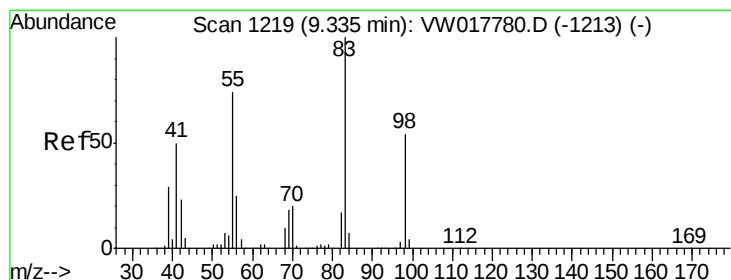
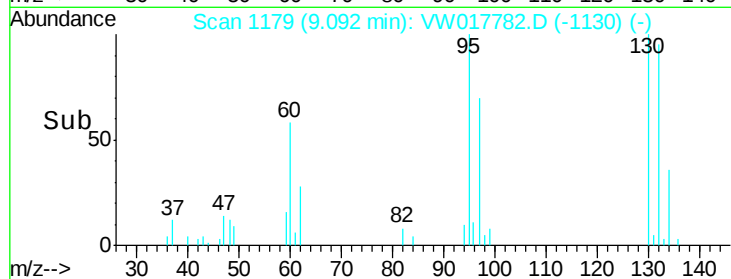
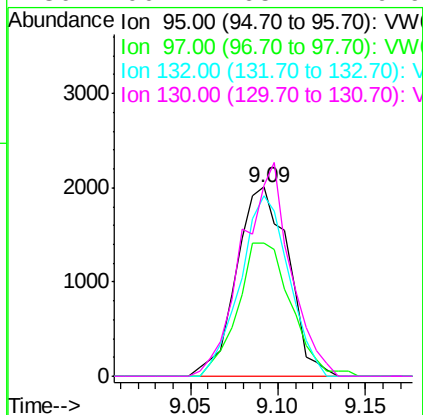
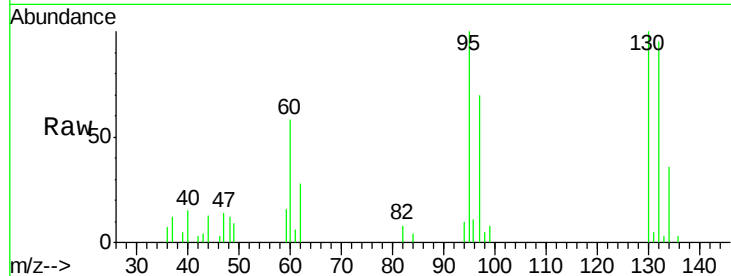
#34
 Trichloroethene
 Concen: 0.937 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Tot Ion	95	Resp	4125
Ion	Ratio	Lower	Upper
95	100		
97	70.4	47.3	87.8
132	95.1	71.0	131.8
130	100.4	65.1	120.9

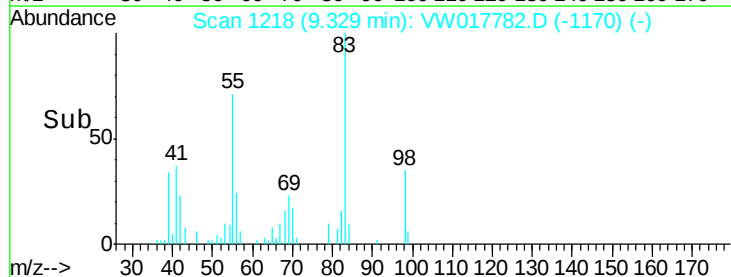
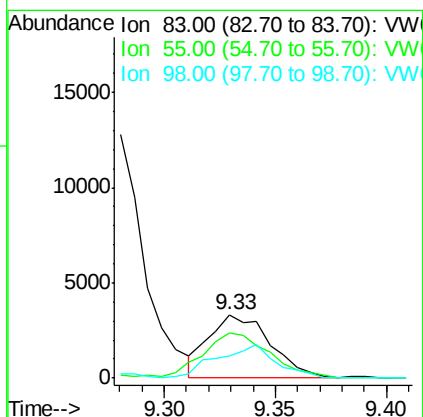
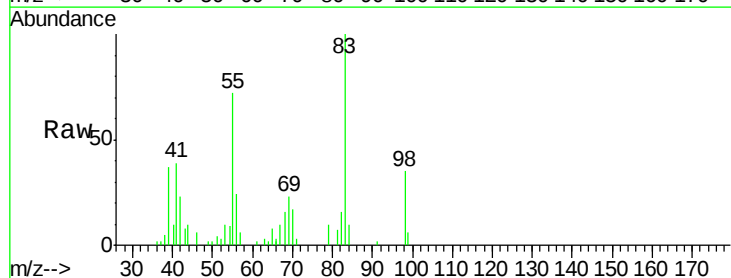
Manual Integrations
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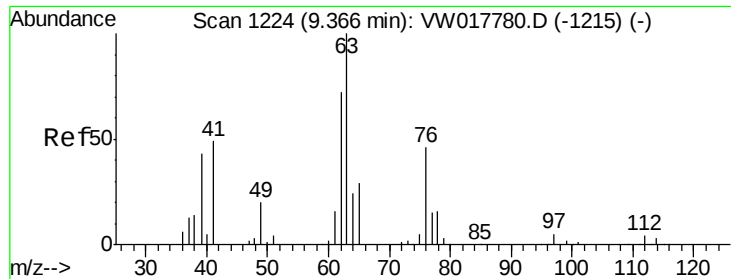
MMDadoda
 1/4/2021 2:08:32 PM



#35
 Methylcyclohexane
 Concen: 0.841 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Tgt Ion	83	Resp	6340
Ion	Ratio	Lower	Upper
83	100		
55	77.7	58.9	88.3
98	51.5	40.1	60.1





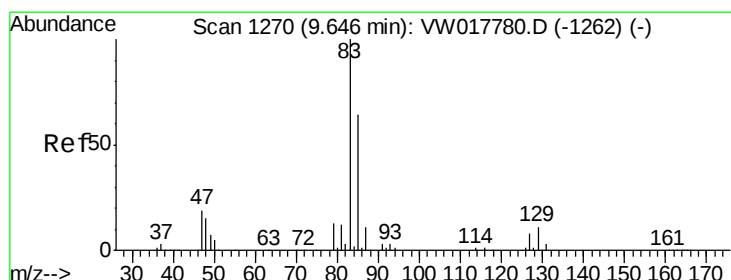
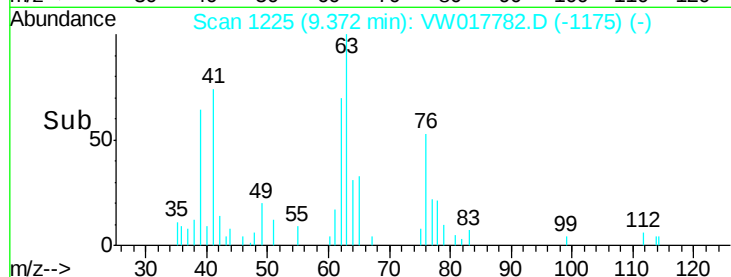
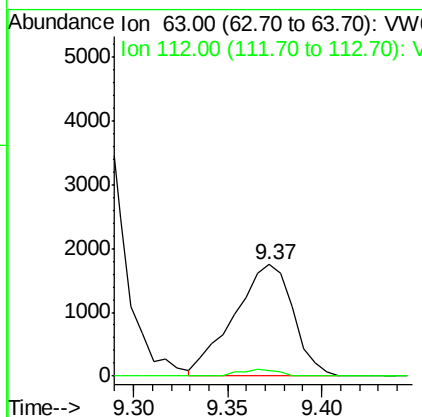
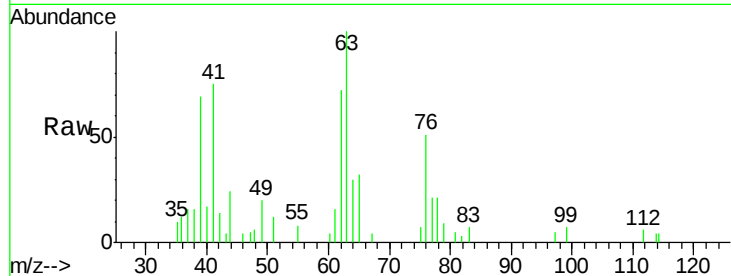
#37
 1,2-Dichloropropane
 Concen: 0.977 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Tot Ion: 63 Resp: 3814
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.9 5.9

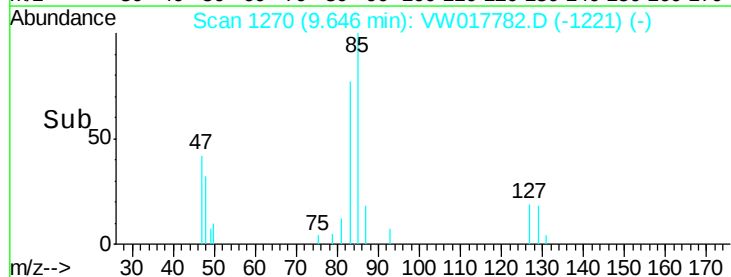
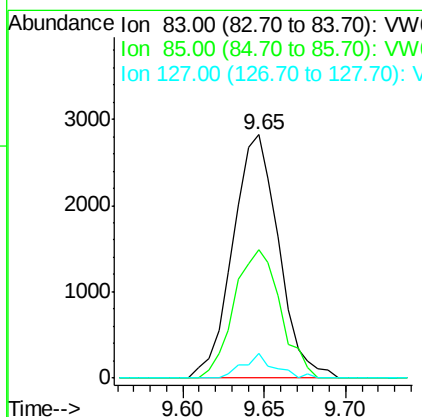
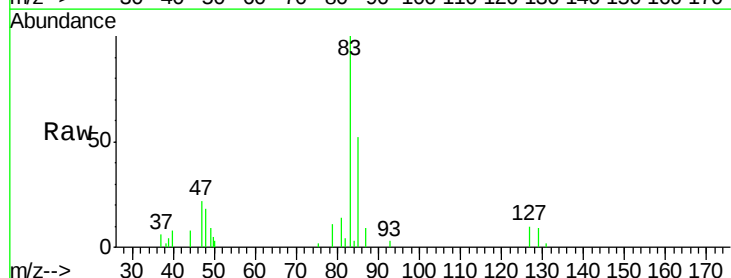
Manual Integrations
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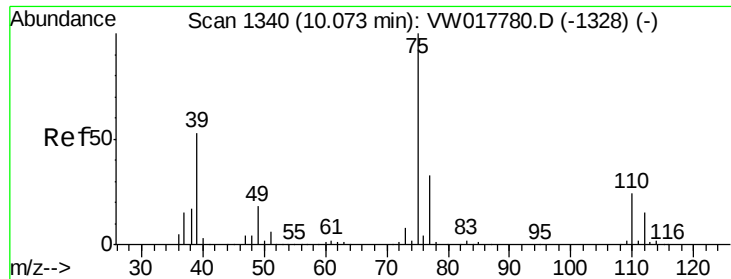
MMDadoda
 1/4/2021 2:08:32 PM



#38
 Bromodichloromethane
 Concen: 1.002 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Tgt Ion: 83 Resp: 5524
 Ion Ratio Lower Upper
 83 100
 85 52.5 42.3 78.5
 127 10.0 6.6 9.8#





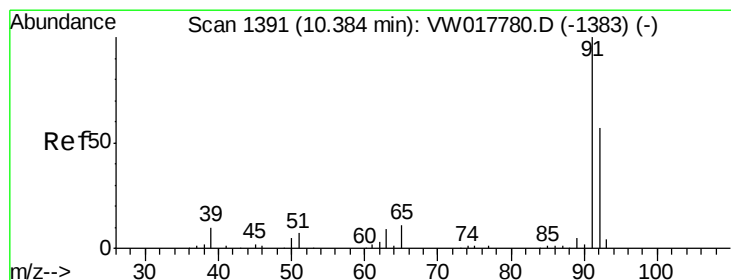
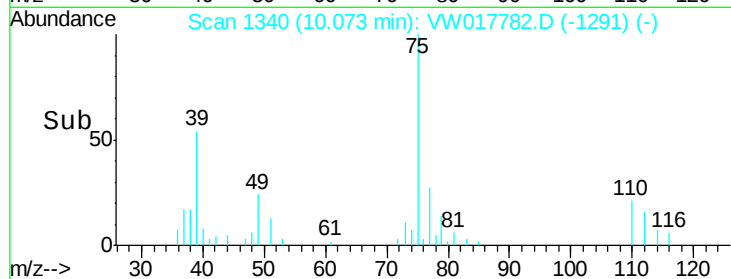
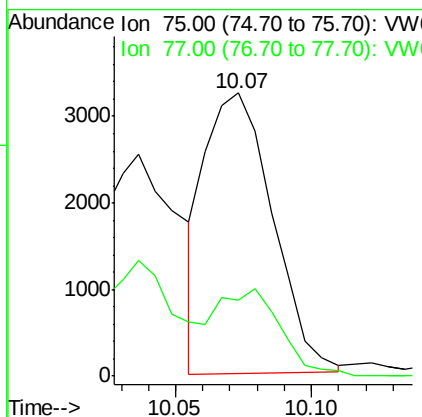
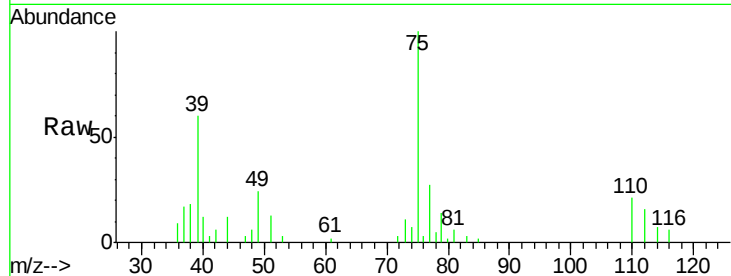
#39
 cis-1,3-Dichloropropene
 Concen: 0.895 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Tot Ion: 75 Resp: 5575
 Ion Ratio Lower Upper
 75 100
 77 26.8 22.6 42.0

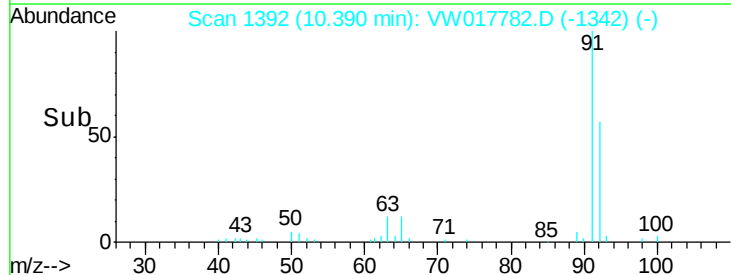
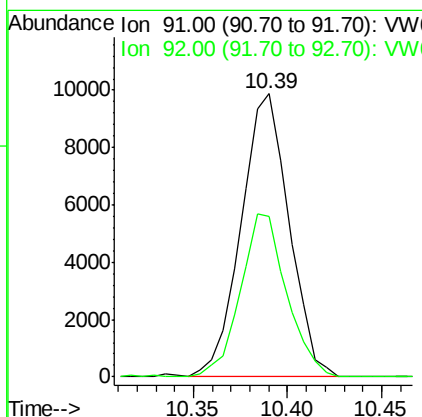
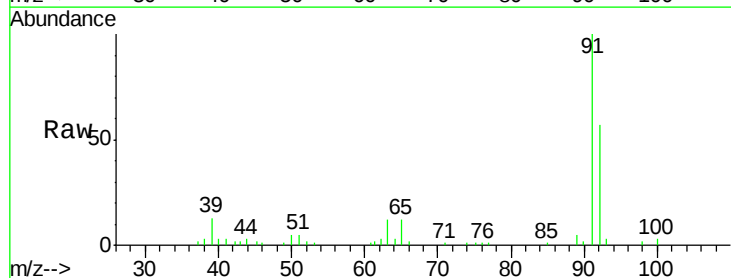
Manual Integrations
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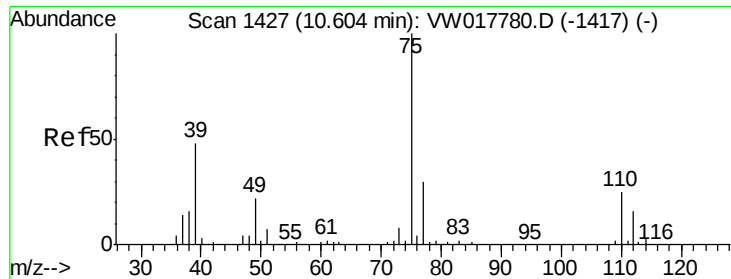
MMDadoda
 1/4/2021 2:08:32 PM



#42
 Toluene
 Concen: 0.954 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Tgt Ion: 91 Resp: 17425
 Ion Ratio Lower Upper
 91 100
 92 56.9 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 1.095 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion: 75 Resp: 6222

Ion Ratio Lower Upper

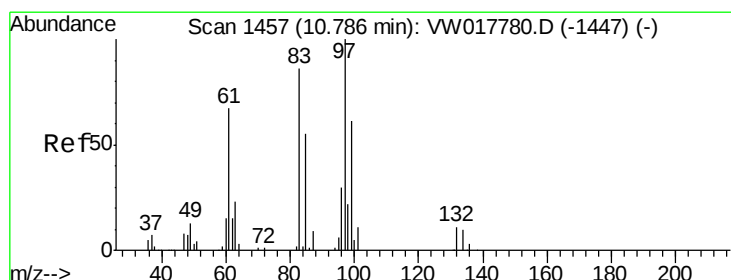
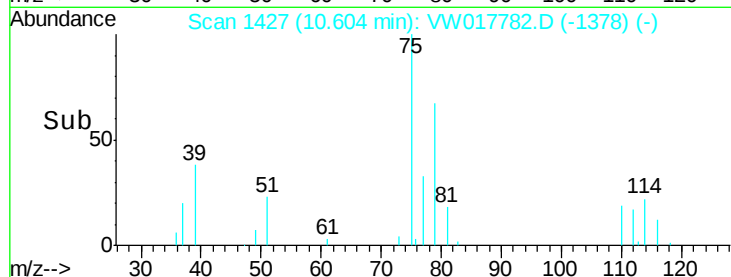
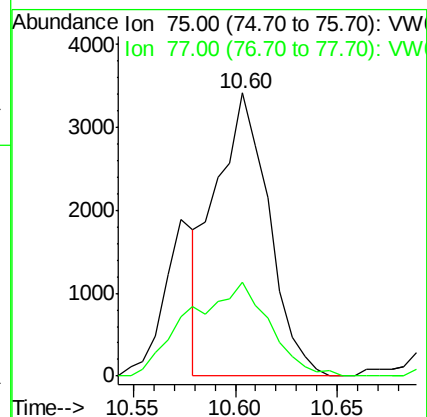
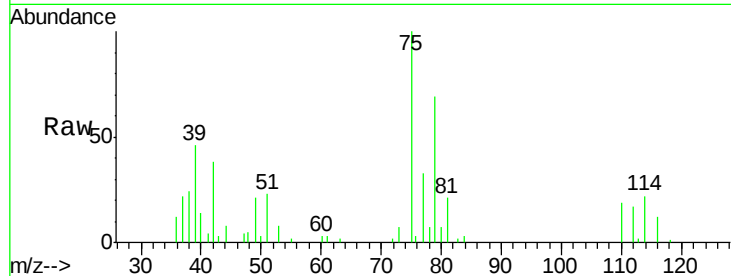
75 100

77 33.2 21.1 39.1

Manual Integrations
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#45

1,1,2-Trichloroethane

Concen: 0.992 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tgt Ion: 97 Resp: 3249

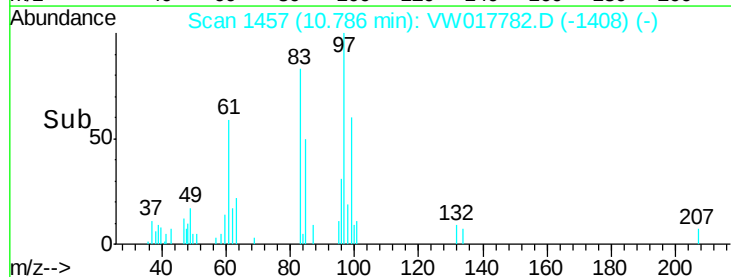
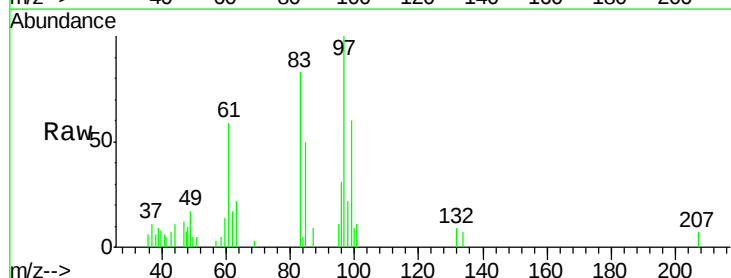
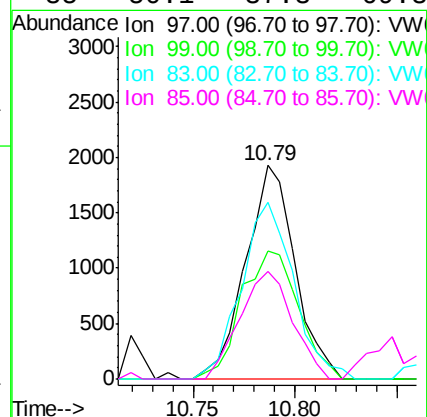
Ion Ratio Lower Upper

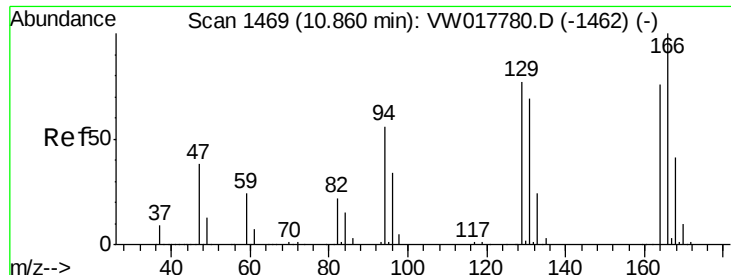
97 100

99 59.7 45.1 83.7

83 82.7 58.1 107.9

85 50.1 37.3 69.3





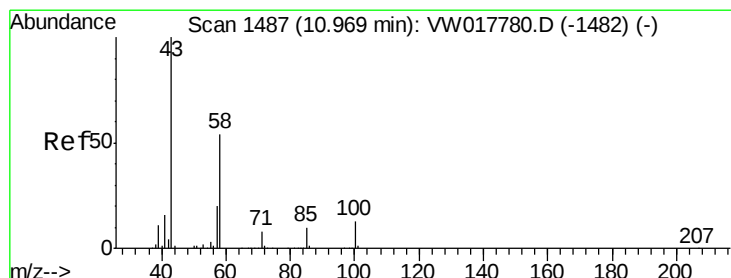
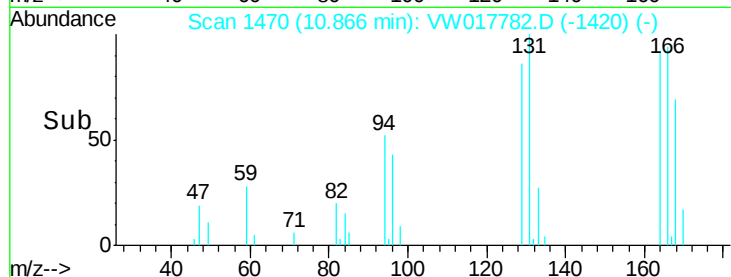
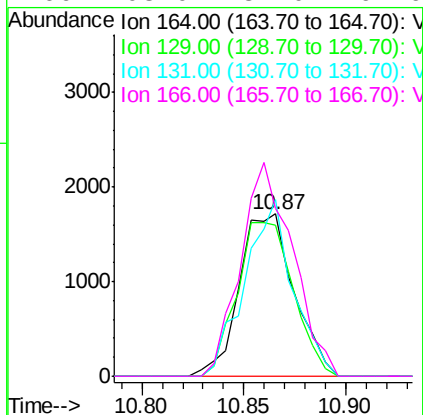
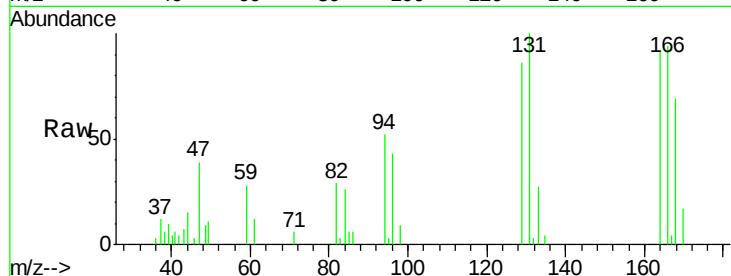
#46
Tetrachloroethene
Concen: 0.948 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion	Ratio	Lower	Upper
164	100		
129	93.3	66.7	123.9
131	112.8	61.1	113.5
166	103.0	87.0	161.6

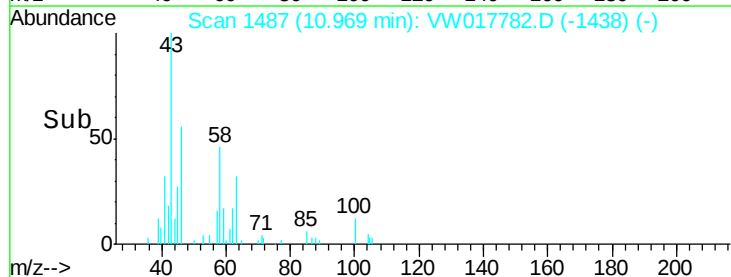
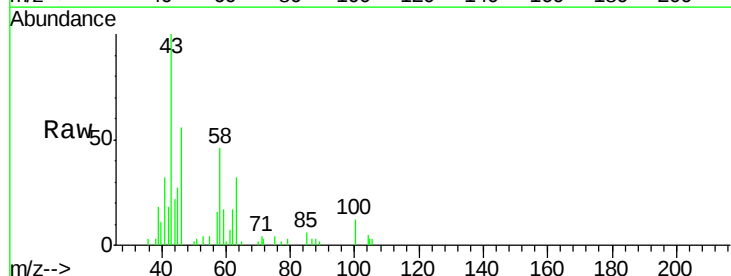
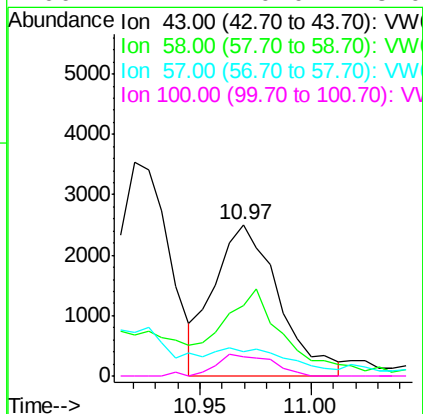
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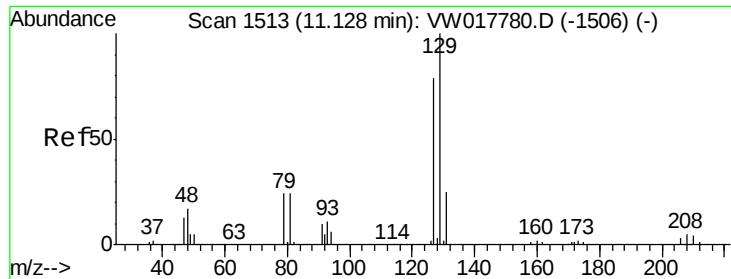
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1/4/2021 2:08:32 PM



#48
2-Hexanone
Concen: 2.605 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.0	42.7	64.1
57	22.2	15.8	23.8
100	12.1	10.0	15.0





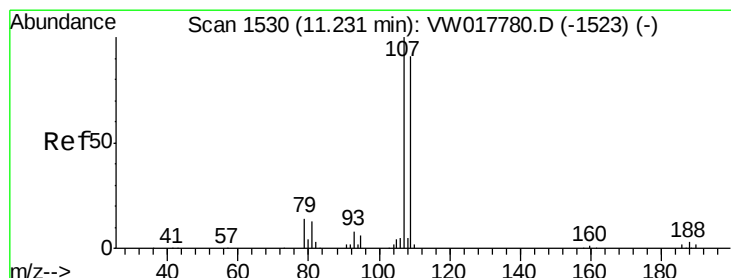
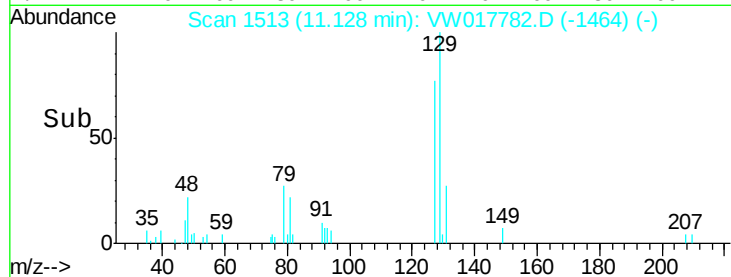
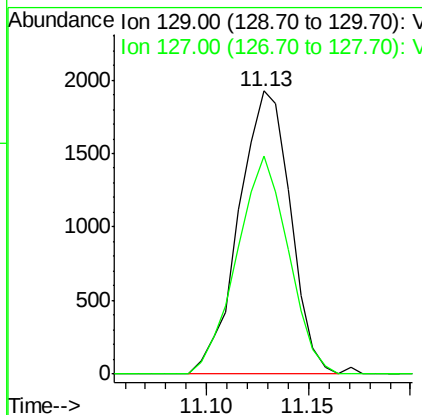
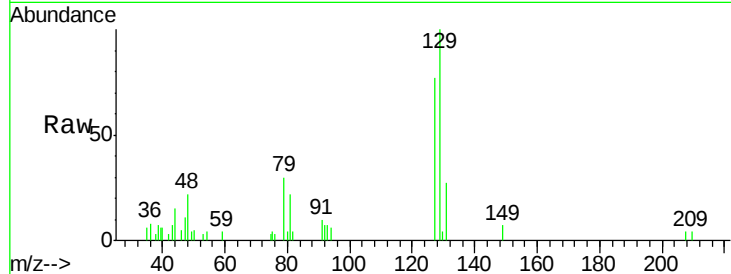
#49
Dibromochloromethane
Concen: 0.899 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion:129 Resp: 3379
Ion Ratio Lower Upper
129 100
127 76.9 51.7 95.9

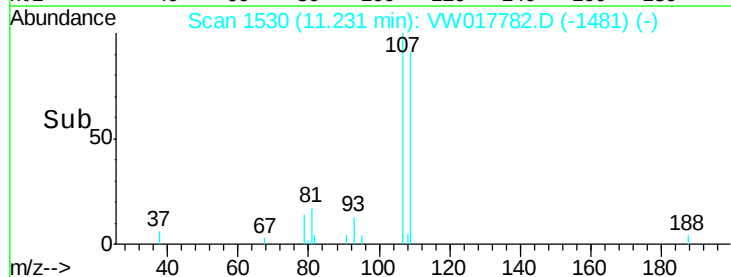
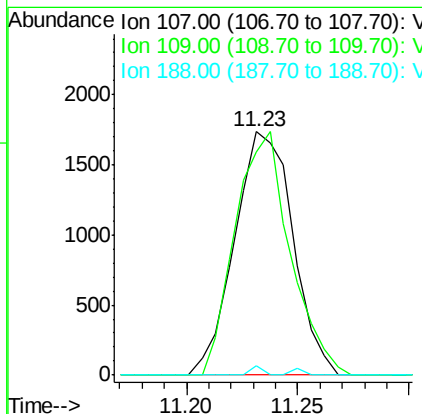
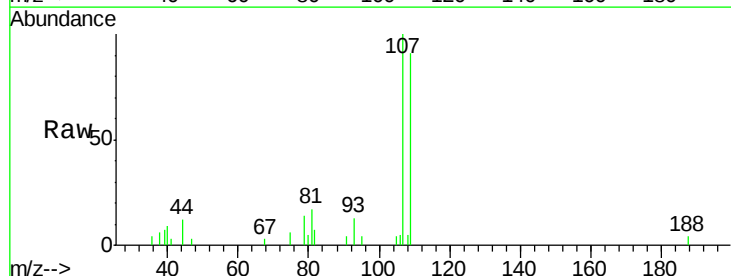
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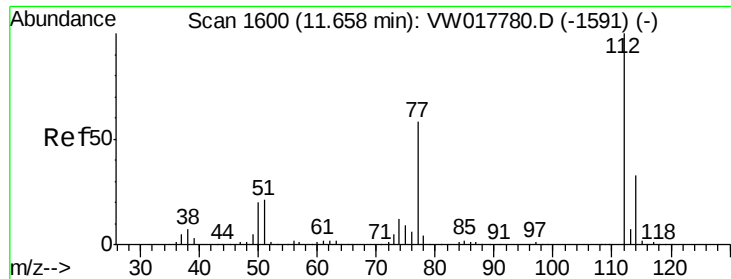
MMDadoda
1/4/2021 2:08:32 PM



#50
1,2-Dibromoethane
Concen: 0.976 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion:107 Resp: 3161
Ion Ratio Lower Upper
107 100
109 91.4 65.4 121.4
188 4.0 2.6 4.0#





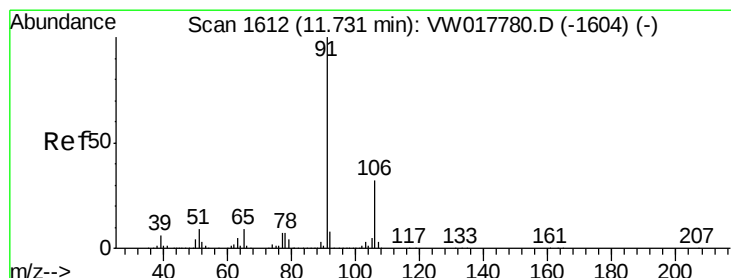
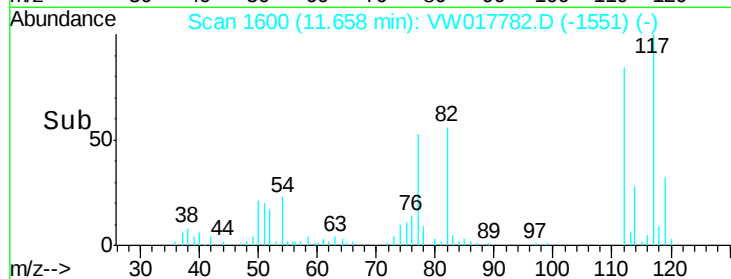
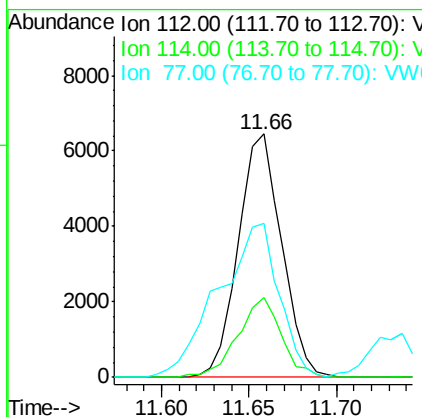
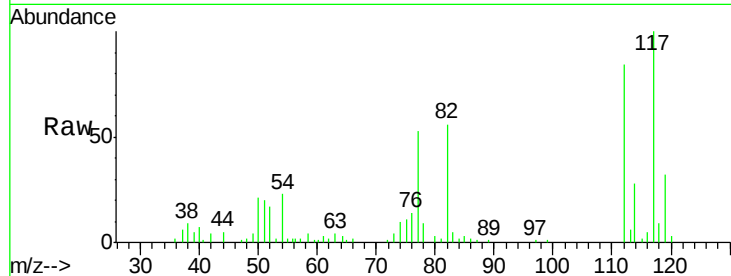
#51
Chlorobenzene
Concen: 0.960 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	23.4	43.6
77	63.2	47.6	71.4

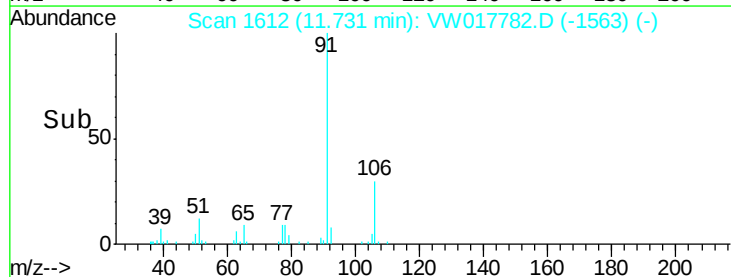
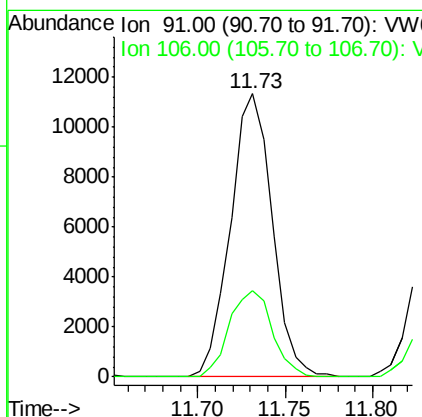
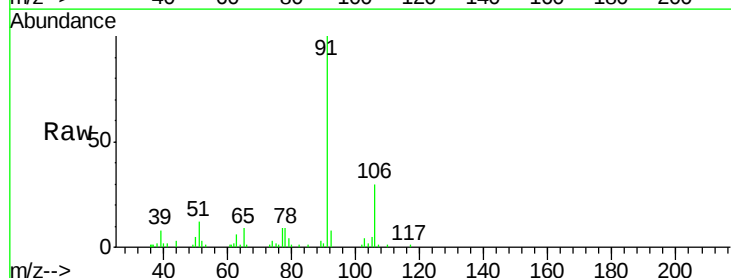
Manual Integrations
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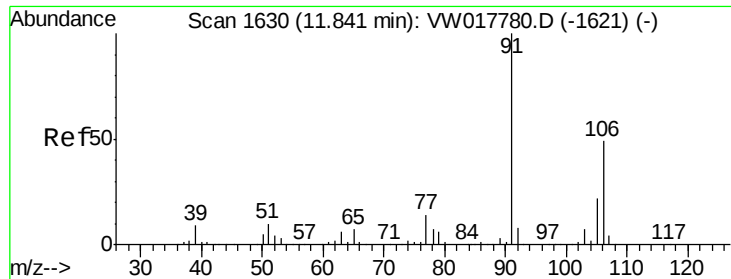
MMDadoda
1/4/2021 2:08:32 PM



#52
Ethylbenzene
Concen: 0.904 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	22.5	41.7





#53

m,p-Xylene

Concen: 0.866 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion:106 Resp: 6992

Ion Ratio Lower Upper

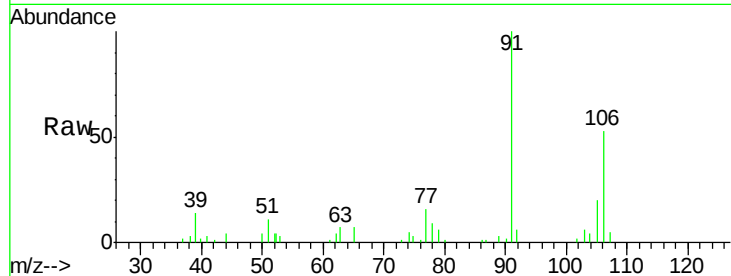
106 100

91 188.7 141.3 262.3

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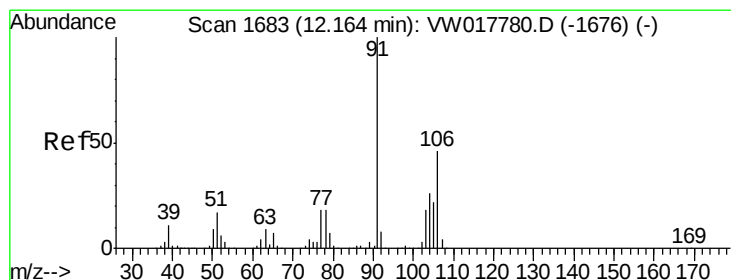
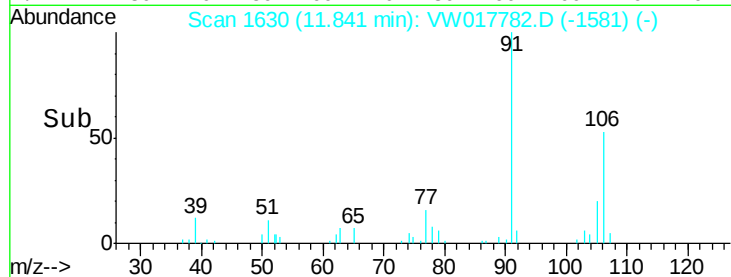
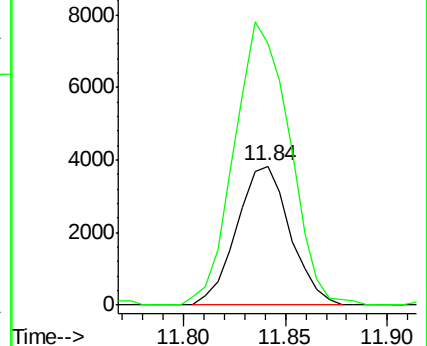
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 0.878 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW017782.D

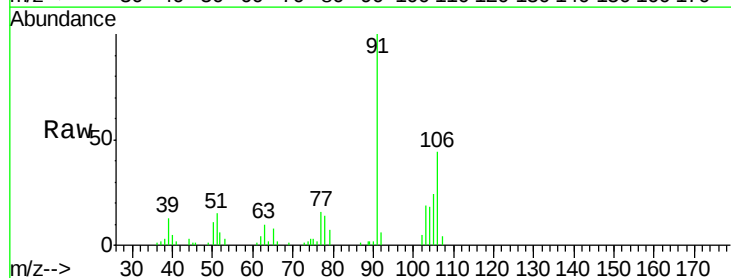
Acq: 30 Dec 2020 16:12

Tgt Ion:106 Resp: 6685

Ion Ratio Lower Upper

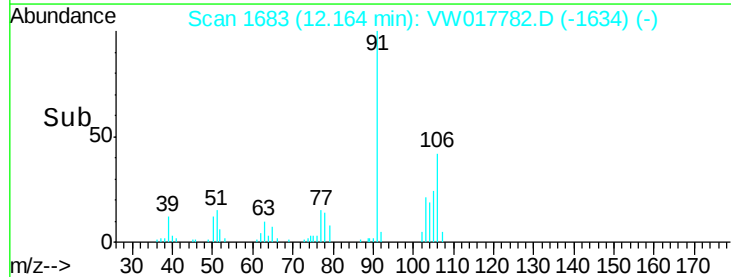
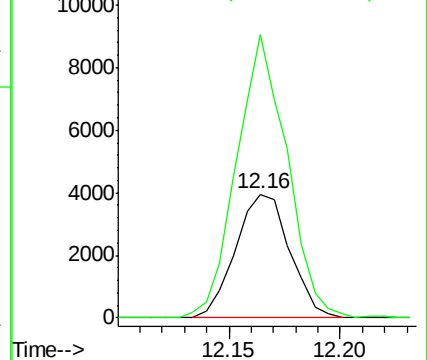
106 100

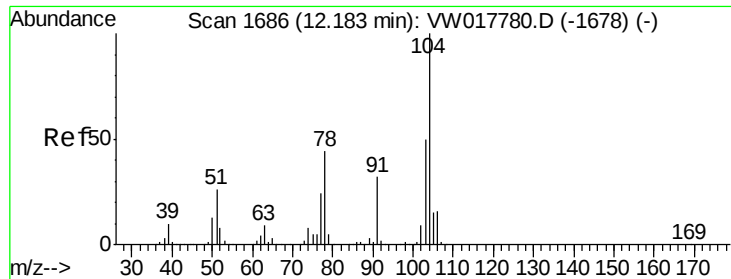
91 228.8 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





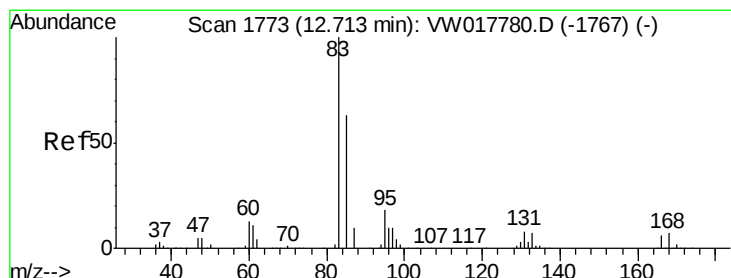
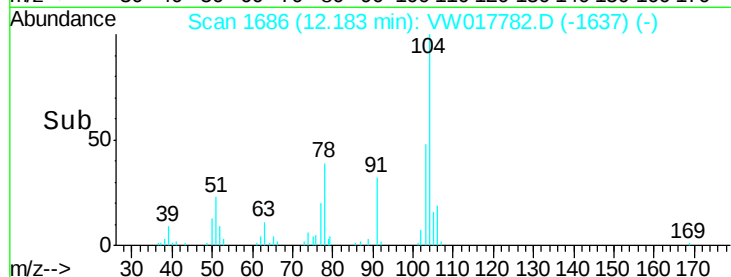
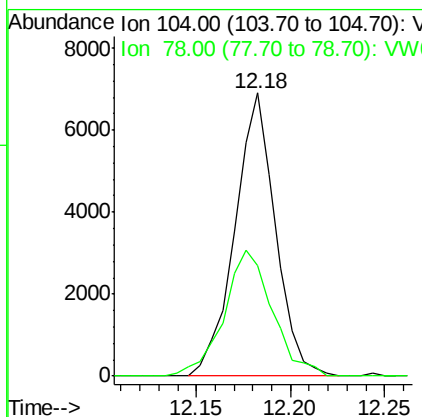
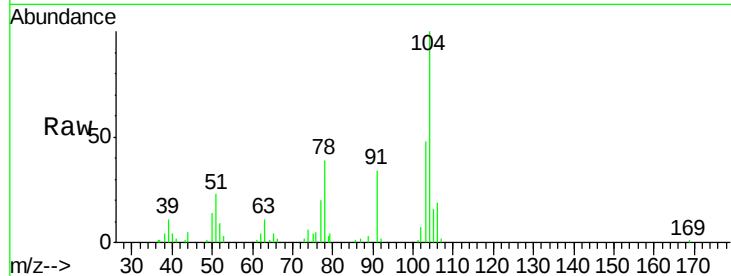
#55
Stvrene
Concen: 0.791 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	10308		
78	39.1		32.5	60.3

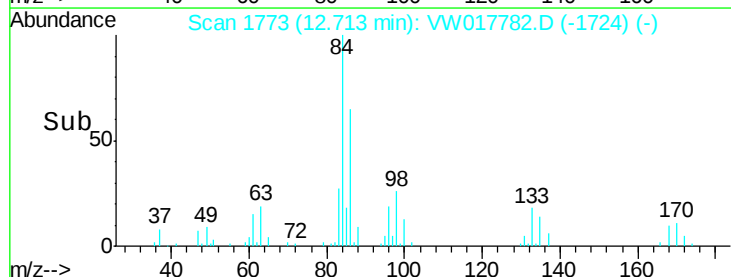
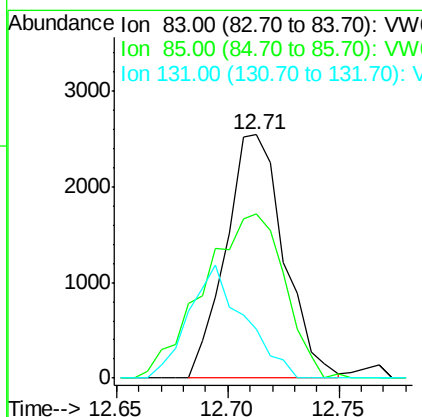
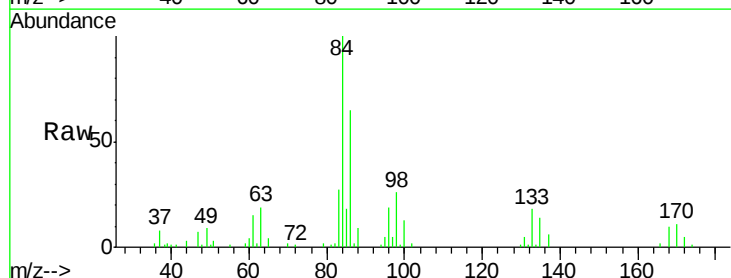
Manual Integrations
APPROVED

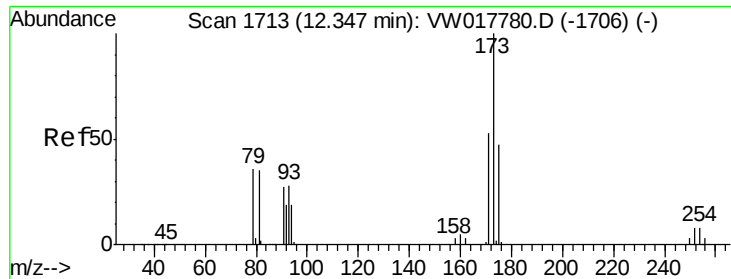
MMDadoda
1/4/2021 2:08:32 PM



#57
1,1,2,2-Tetrachloroethane
Concen: 1.087 ug/L
RT: 12.71 min Scan# 1773
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4631		
85	67.4		44.4	82.4
131	20.1		8.2	12.4#





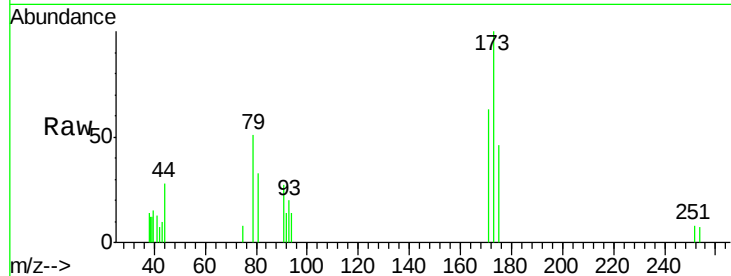
#59
Bromoform
Concen: 0.705 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

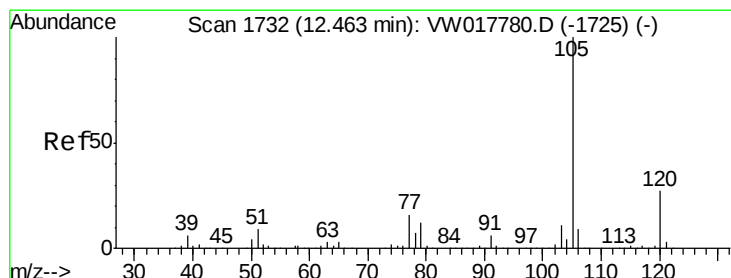
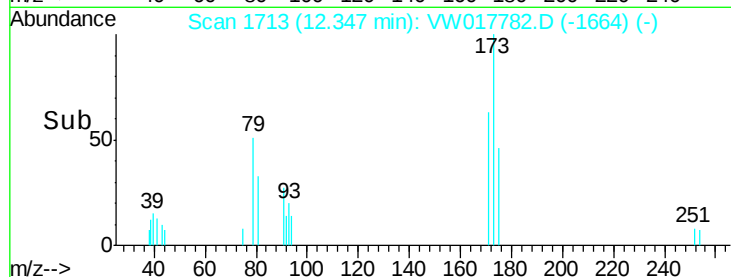
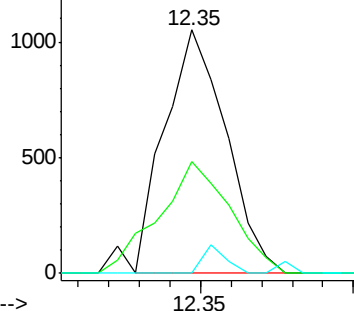
Tot Ion	Ratio	Lower	Upper
173	100		
175	53.9	37.5	56.3
254	4.3	7.0	10.4

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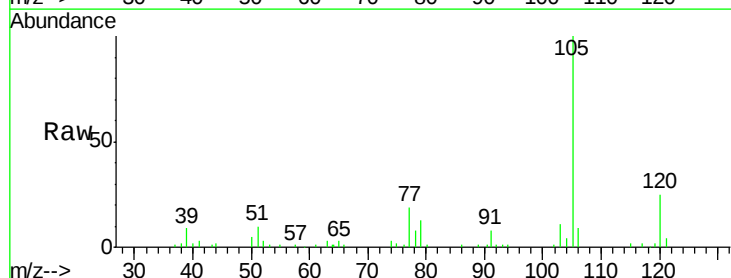


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

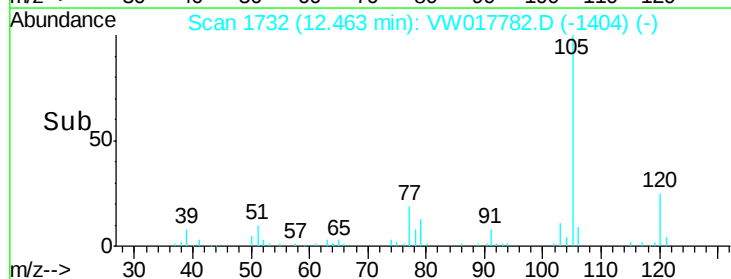
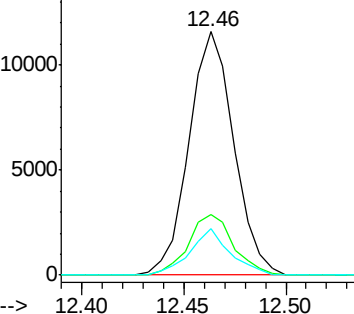


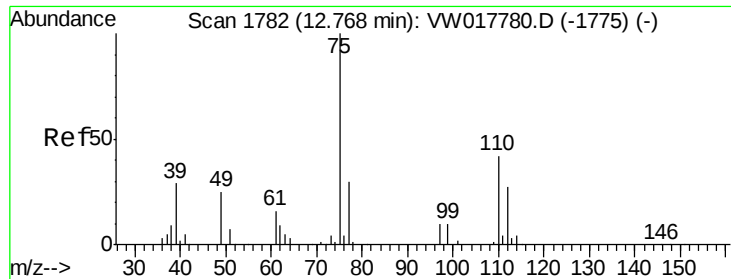
#60
Isopropylbenzene
Concen: 0.876 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	21.1	31.7
77	17.2	13.2	19.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 1.053 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

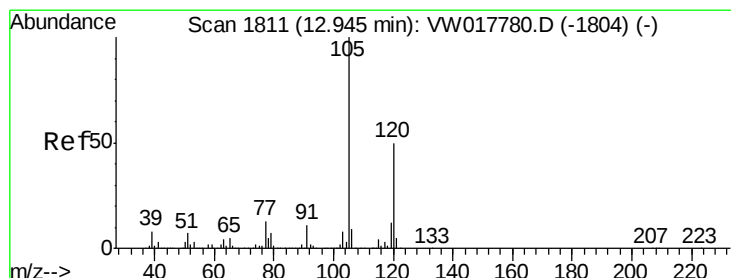
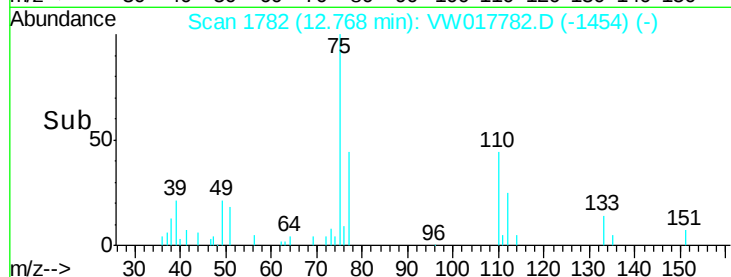
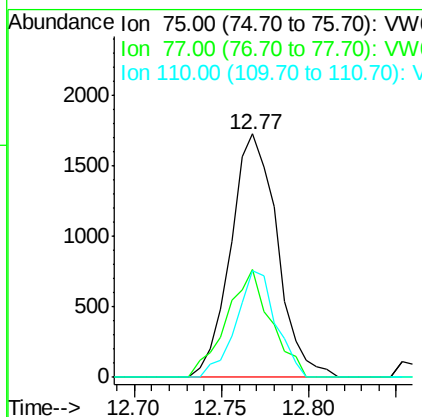
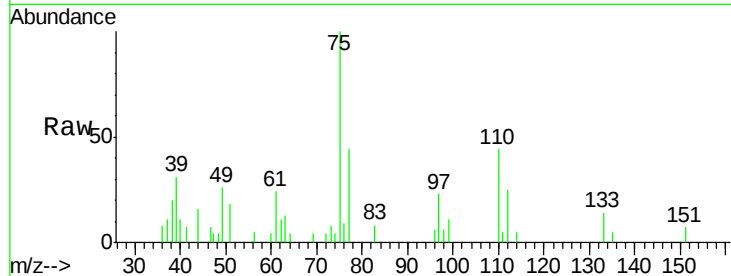
ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion:	75	Resp:	3206
Ion Ratio	Lower	Upper	
75	100		
77	42.1	25.3	37.9#
110	37.3	32.6	48.8

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#62

1,3,5-Trimethylbenzene

Concen: 0.885 ug/L

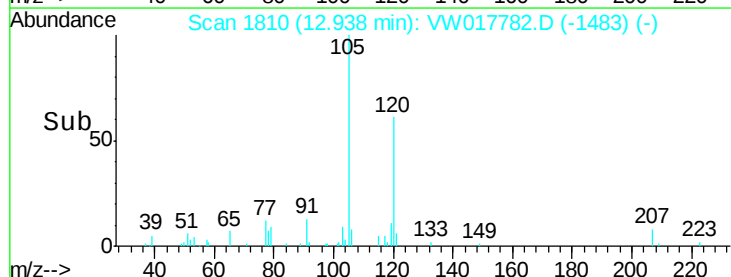
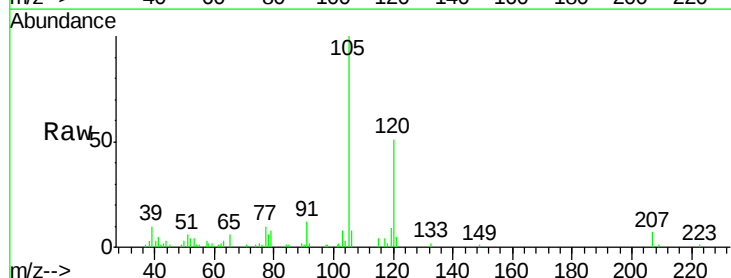
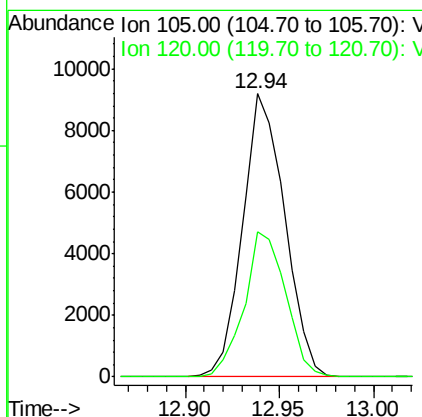
RT: 12.94 min Scan# 1810

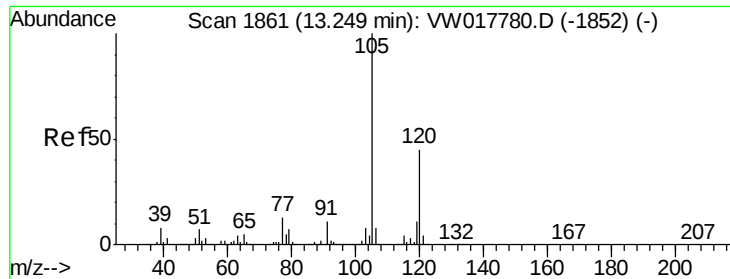
Delta R.T. -0.01 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tgt Ion:	105	Resp:	14242
Ion Ratio	Lower	Upper	
105	100		
120	50.8	39.0	58.6





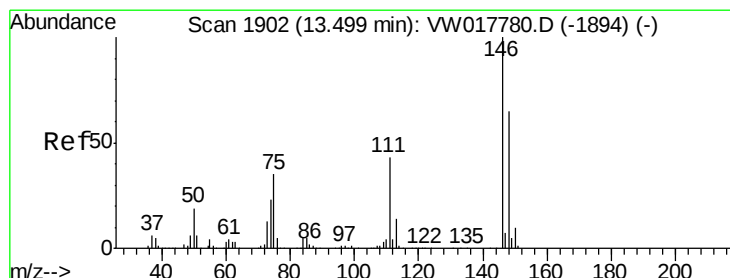
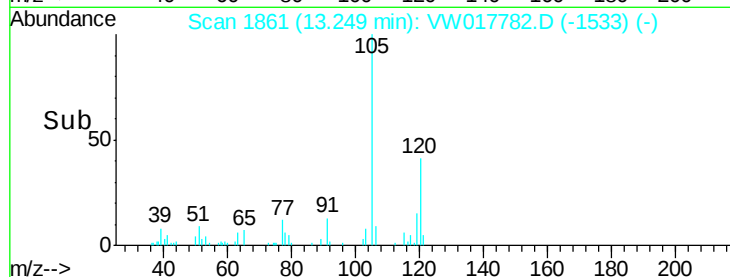
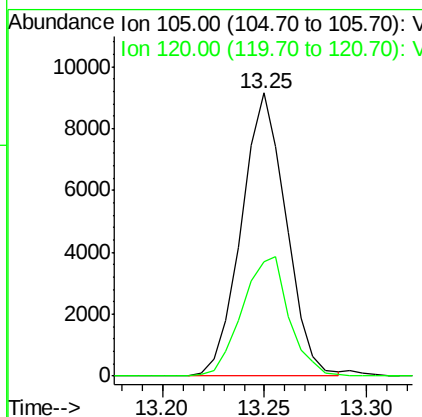
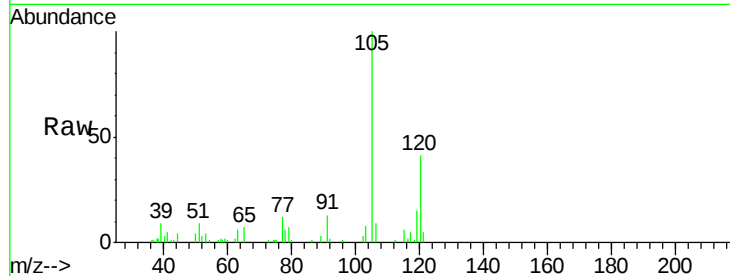
#63
1,2,4-Trimethylbenzene
Concen: 0.852 ug/L
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.3	35.6	53.4

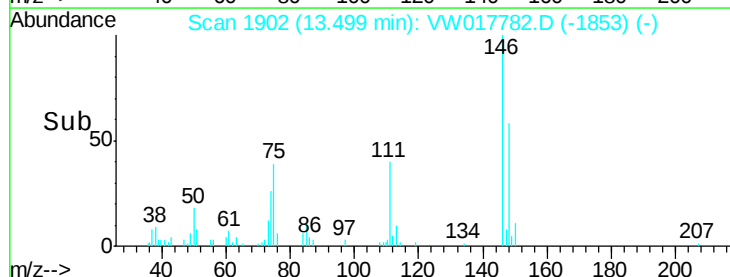
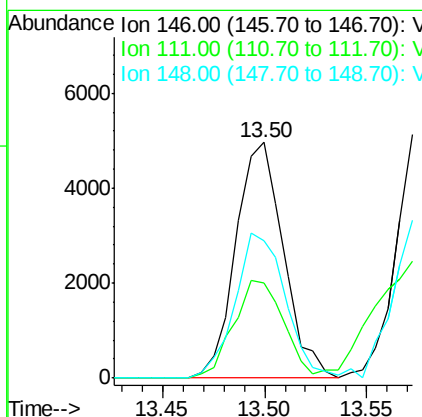
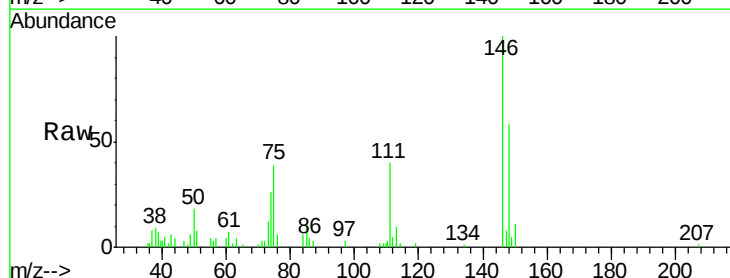
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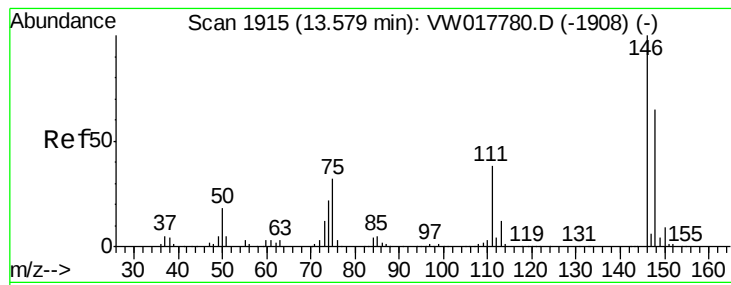
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#64
1,3-Dichlorobenzene
Concen: 0.922 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	26.7	49.7
148	58.3	41.1	76.3





#65

1,4-Dichlorobenzene

Concen: 1.015 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Instrument :

MSVOA_W

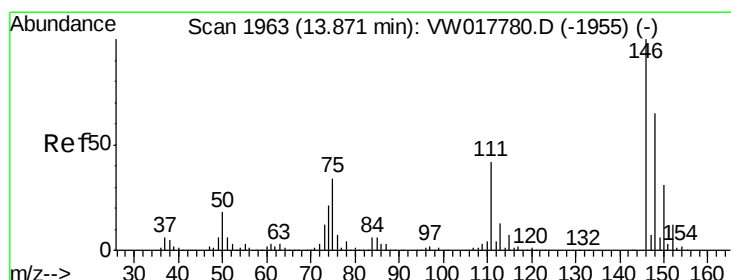
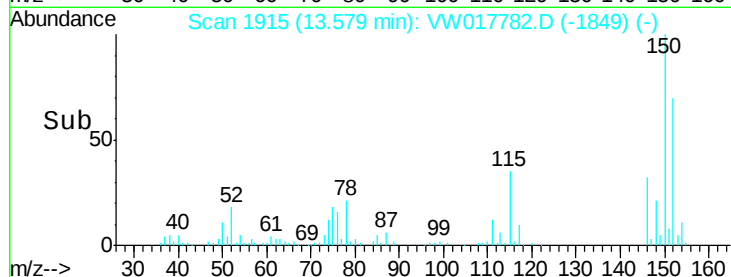
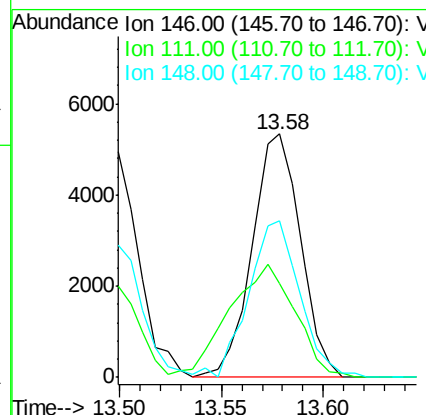
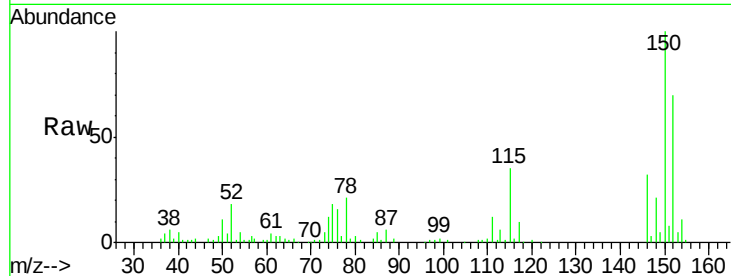
ClientSampleId :

MDL-SOIL-QT1-2021-01

Tot Ion:	146	Resp:	8808
Ion Ratio	Lower	Upper	
146	100		
111	38.6	28.8	53.4
148	64.6	46.8	87.0

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#67

1,2-Dichlorobenzene

Concen: 1.020 ug/L

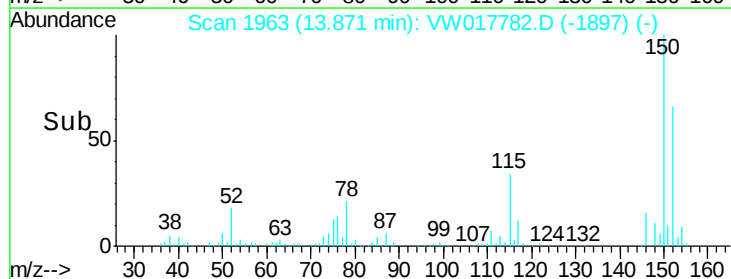
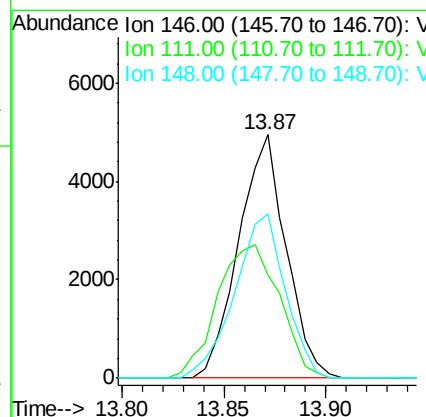
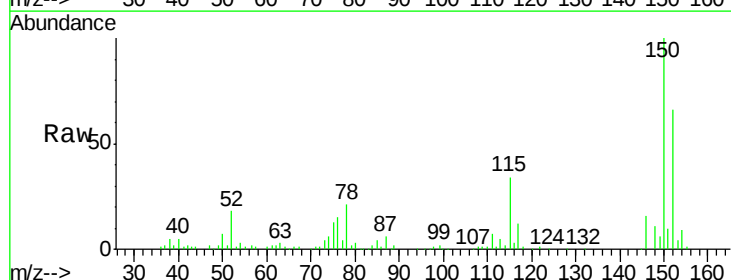
RT: 13.87 min Scan# 1963

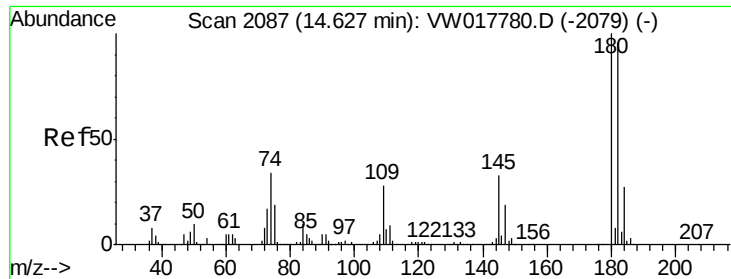
Delta R.T. -0.00 min

Lab File: VW017782.D

Acq: 30 Dec 2020 16:12

Tgt Ion:	146	Resp:	7999
Ion Ratio	Lower	Upper	
146	100		
111	42.1	33.2	49.8
148	67.2	50.4	75.6





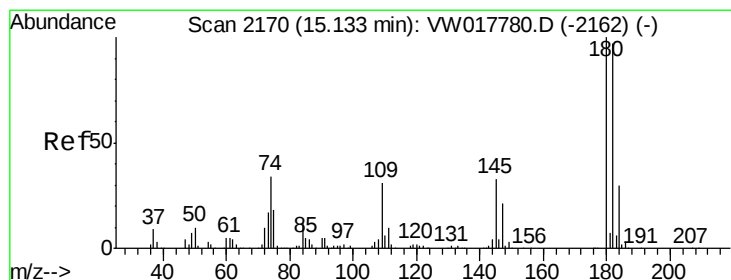
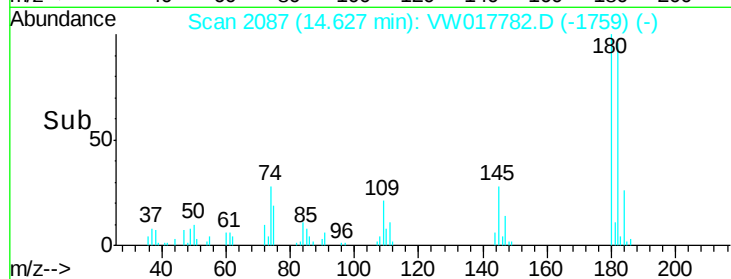
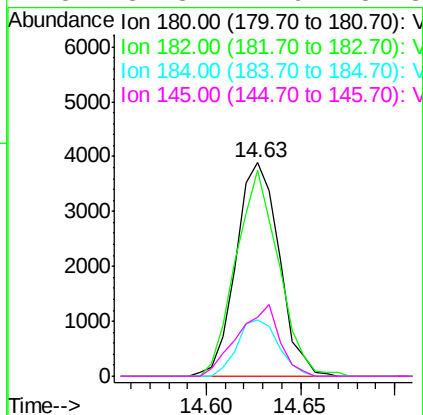
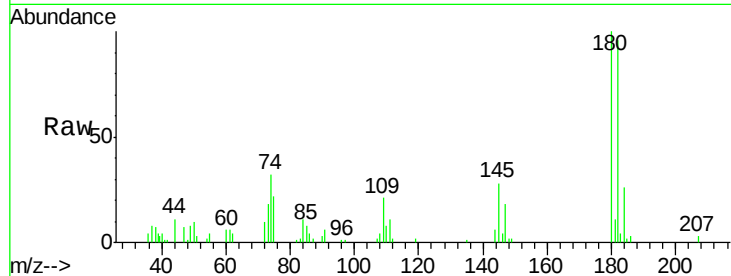
#69
 1,3,5-Trichlorobenzene
 Concen: 1.049 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	73.4	110.2
184	25.1	23.6	35.4
145	32.3	24.9	37.3

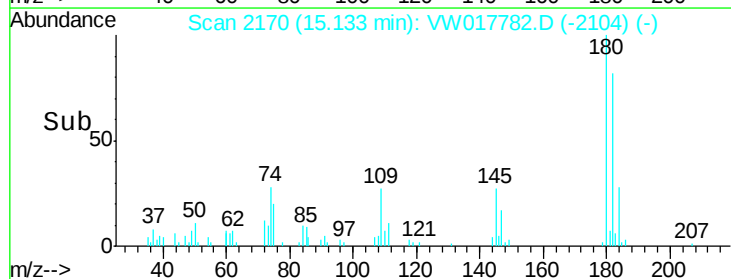
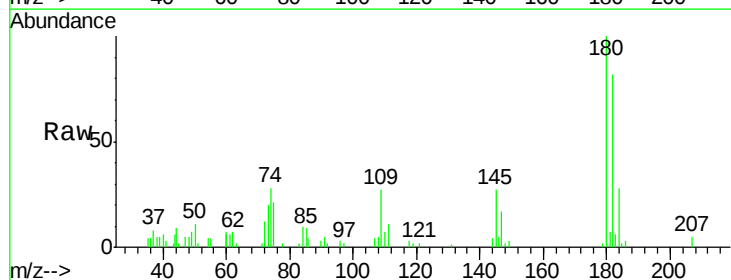
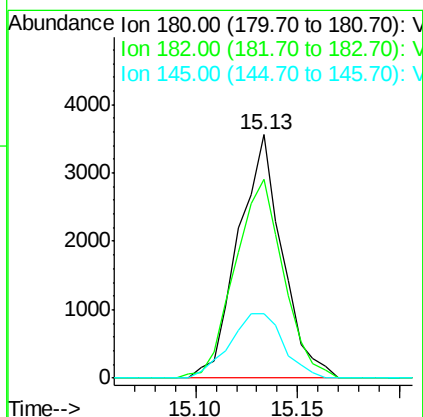
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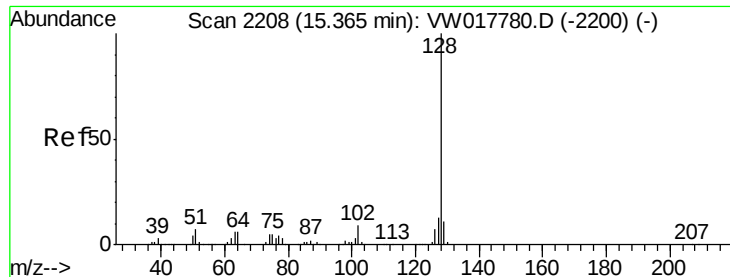
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#70
 1,2,4-trichlorobenzene
 Concen: 1.042 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017782.D
 Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	74.7	112.1
145	32.3	25.0	37.4





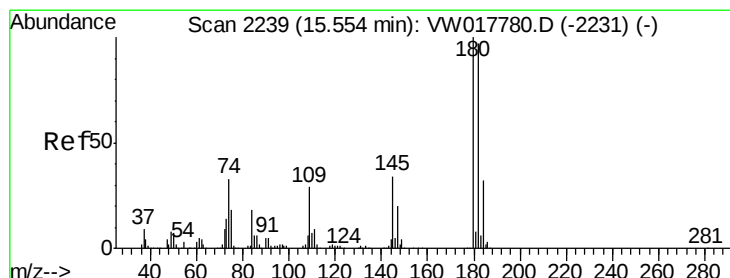
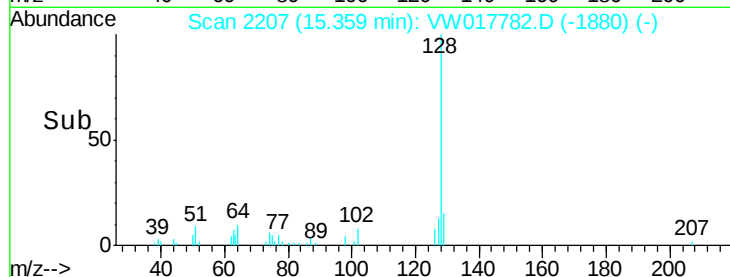
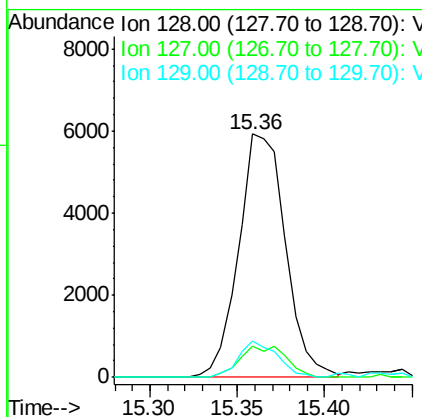
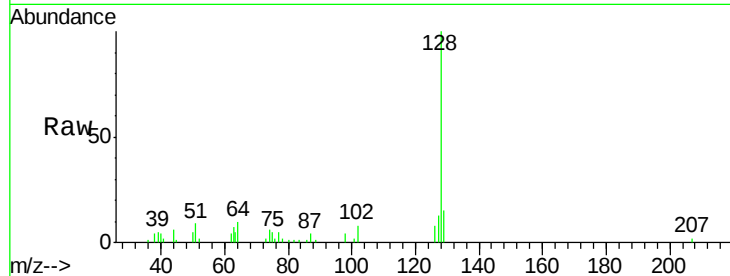
#71
Naphthalene
Concen: 0.934 ug/L
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	12.5	9.0	13.6

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#72
1,2,3-Trichlorobenzene
Concen: 1.137 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017782.D
Acq: 30 Dec 2020 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.4	76.7	115.1
145	32.6	28.9	43.3

