

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012721\
 Data File : VW020180.D
 Acq On : 26 Jan 2021 19:41
 Operator : SY/MD
 Sample : L5214-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations
 APPROVED

MMDadoda

1/29/2021 11:58:07 AM

Quant Time: Jan 27 07:14:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 27 07:09:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	972884	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.858	117	925876	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.257	152	488064	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	314560	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.62%
7) Chloroethane-d5	1.569	69	257080	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.110	63	386666	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.44%
21) 2-Butanone-d5	3.894	46	455809	107.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.49%
24) Chloroform-d	4.354	84	587041	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	5.035	65	401585	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
32) Benzene-d6	5.055	84	1162778	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
36) 1,2-Dichloropropane-d6	6.074	67	364634	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.46%
41) Toluene-d8	7.318	98	1053011	48.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.14%
43) trans-1,3-Dichloroprop...	7.624	79	168391	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.093	63	342117	107.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.13%
56) 1,1,2,2-Tetrachloroeth...	10.222	84	444090	42.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.80%
66) 1,2-Dichlorobenzene-d4	11.633	152	459622	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.129	85	14086	2.07	ug/L	97
3) Chloromethane	1.241	50	18770	2.43	ug/L	96
5) Vinyl chloride	1.312	62	15652	2.28	ug/L #	67
6) Bromomethane	1.524	94	9678	2.55	ug/L	98
8) Chloroethane	1.589	64	9663	2.28	ug/L	99
9) Trichlorofluoromethane	1.753	101	20435	2.05	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.116	101	13437	2.60	ug/L #	78
12) 1,1-Dichloroethene	2.116	96	13498	2.78	ug/L #	1
13) Acetone	2.190	43	12315	4.85	ug/L	100
14) Carbon disulfide	2.296	76	32277	2.30	ug/L	97
15) Methyl Acetate	2.447	43	14029	2.46	ug/L #	79
16) Methylene chloride	2.511	84	15104	2.59	ug/L	93
17) trans-1,2-Dichloroethene	2.765	96	12488	2.26	ug/L	96
18) Methyl tert-butyl Ether	2.772	73	37624	2.15	ug/L #	94
19) 1,1-Dichloroethane	3.196	63	22662	2.16	ug/L	93
20) cis-1,2-Dichloroethene	3.917	96	13464	2.13	ug/L	99
22) 2-Butanone	4.013	43	16893m	3.97	ug/L	
23) Bromochloromethane	4.261	128	6972	2.02	ug/L #	90
25) Chloroform	4.383	83	28049	2.49	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012721\
 Data File : VW020180.D
 Acq On : 26 Jan 2021 19:41
 Operator : SY/MD
 Sample : L5214-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations
 APPROVED

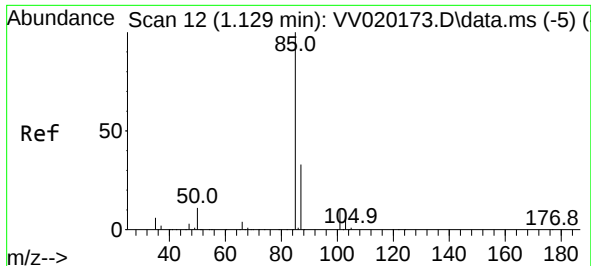
MMDadoda

1/29/2021 11:58:07 AM

Quant Time: Jan 27 07:14:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 27 07:09:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.145	62	20249	2.28	ug/L	98
29) Cyclohexane	4.685	56	17537	1.90	ug/L	92
30) 1,1,1-Trichloroethane	4.614	97	20562	2.01	ug/L	97
31) Carbon tetrachloride	4.839	117	17122	1.93	ug/L	97
33) Benzene	5.109	78	49646	2.06	ug/L	100
34) Trichloroethene	5.923	95	14202	2.11	ug/L	93
35) Methylcyclohexane	6.138	83	18975	1.92	ug/L	98
37) 1,2-Dichloropropane	6.183	63	12432	1.91	ug/L #	93
38) Bromodichloromethane	6.518	83	16909	1.92	ug/L	98
39) cis-1,3-Dichloropropene	7.039	75	18719	1.91	ug/L	95
40) 4-Methyl-2-pentanone	7.238	43	34915	3.91	ug/L	97
42) Toluene	7.395	91	53653	2.05	ug/L	100
44) trans-1,3-Dichloropropene	7.659	75	17520	1.85	ug/L	98
45) 1,1,2-Trichloroethane	7.849	97	13313	2.13	ug/L	95
46) Tetrachloroethene	7.981	164	11768	2.13	ug/L	94
48) 2-Hexanone	8.151	43	30349	4.75	ug/L	94
49) Dibromochloromethane	8.254	129	13714	1.97	ug/L	98
50) 1,2-Dibromoethane	8.360	107	13872	2.08	ug/L	91
51) Chlorobenzene	8.887	112	36307	2.10	ug/L	96
52) Ethylbenzene	9.019	91	57866	2.02	ug/L	96
53) m,p-Xylene	9.148	106	20893	1.90	ug/L	98
54) o-Xylene	9.550	106	21120	1.96	ug/L	93
55) Styrene	9.569	104	32871	1.76	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.247	83	20856	2.04	ug/L #	96
59) Bromoform	9.739	173	10209	1.91	ug/L #	94
60) Isopropylbenzene	9.939	105	55304	2.02	ug/L	98
61) 1,2,3-Trichloropropane	10.280	75	15624	2.01	ug/L	98
62) 1,3,5-Trimethylbenzene	10.546	105	44314	1.89	ug/L	100
63) 1,2,4-Trimethylbenzene	10.923	105	40645	1.76	ug/L	98
64) 1,3-Dichlorobenzene	11.193	146	28523	2.03	ug/L	98
65) 1,4-Dichlorobenzene	11.280	146	31277	2.16	ug/L	97
67) 1,2-Dichlorobenzene	11.649	146	30653	2.17	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.437	75	4616	2.02	ug/L	93
69) 1,3,5-Trichlorobenzene	12.656	180	23845	2.01	ug/L	99
70) 1,2,4-trichlorobenzene	13.273	180	21472	1.96	ug/L	99
71) Naphthalene	13.514	128	54210	1.76	ug/L	100
72) 1,2,3-Trichlorobenzene	13.755	180	21239	1.96	ug/L	97

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



#2
Dichlorodifluoromethane
Concen: 2.07 ug/L
RT: 1.129 min Scan# 12
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

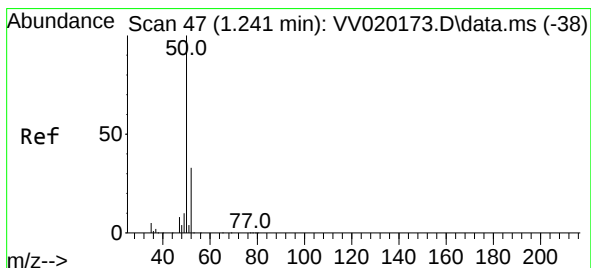
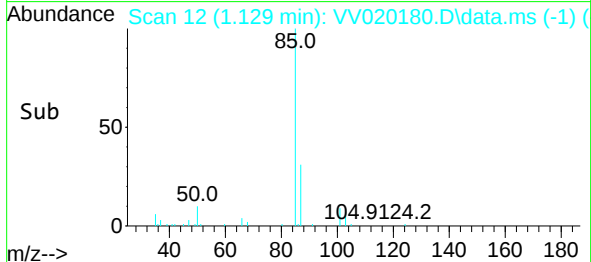
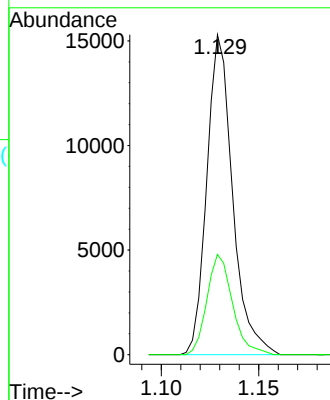
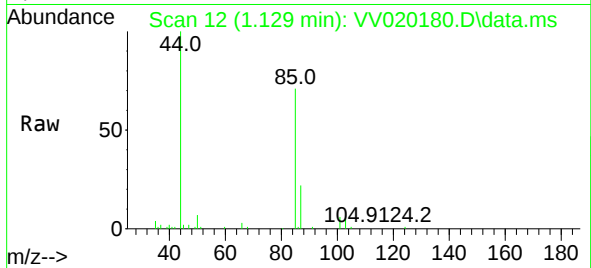
Tgt Ion: 85 Resp: 14086
Ion Ratio Lower Upper
85 100
87 31.1 26.2 39.2

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

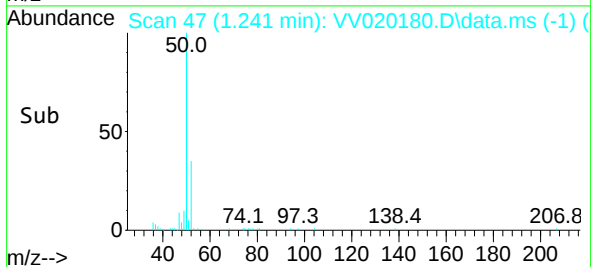
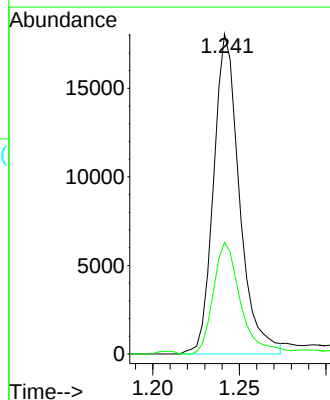
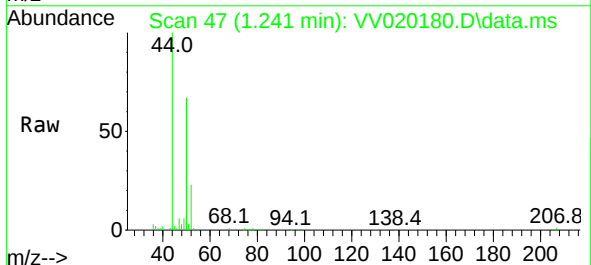
MMDadoda

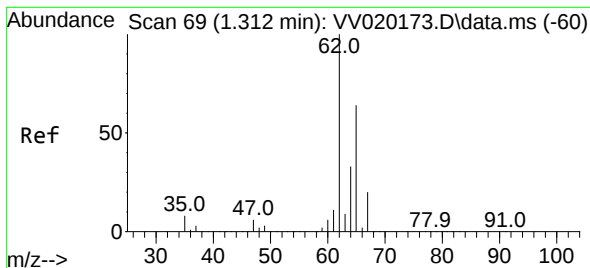
1/29/2021 11:58:07 AM



#3
Chloromethane
Concen: 2.43 ug/L
RT: 1.241 min Scan# 47
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 50 Resp: 18770
Ion Ratio Lower Upper
50 100
52 34.9 22.9 42.5





#5
 Vinyl chloride
 Concen: 2.28 ug/L
 RT: 1.312 min Scan# 69
 Delta R.T. -0.000 min
 Lab File: VV020180.D
 Acq: 26 Jan 2021 19:41

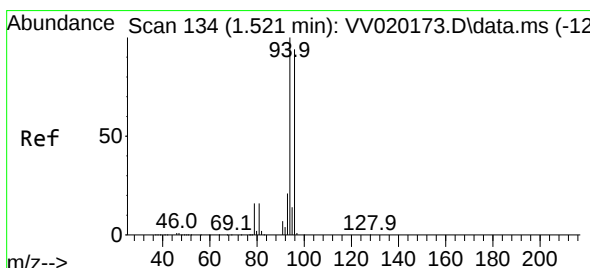
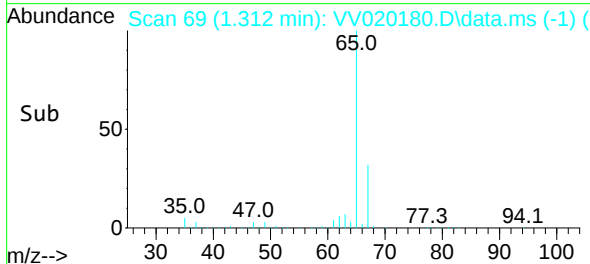
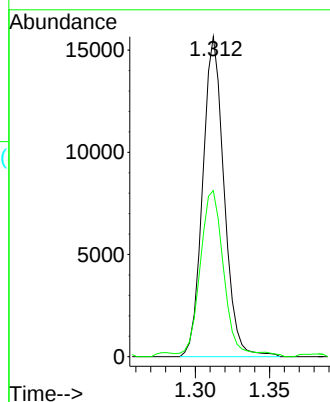
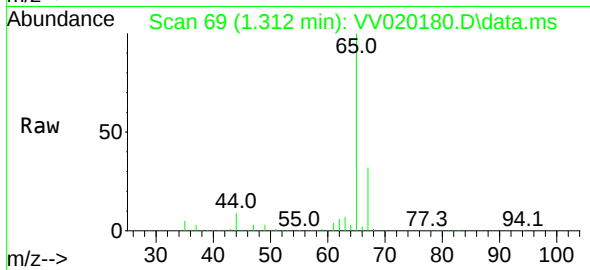
Tgt Ion: 62 Resp: 15652
 Ion Ratio Lower Upper
 62 100
 64 51.9 23.1 42.9#

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations
 APPROVED

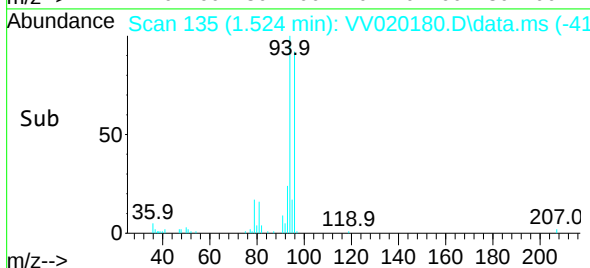
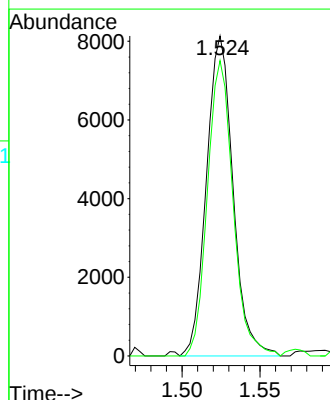
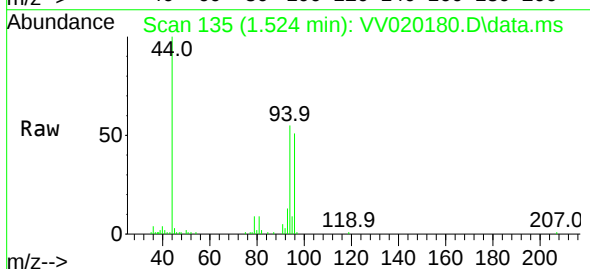
MMDadoda

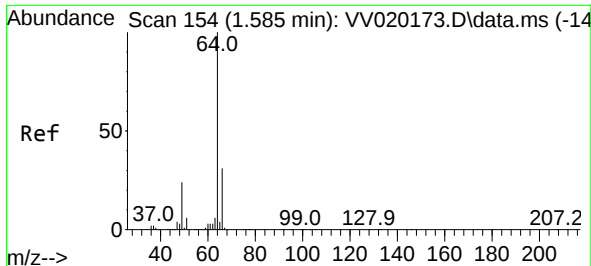
1/29/2021 11:58:07 AM



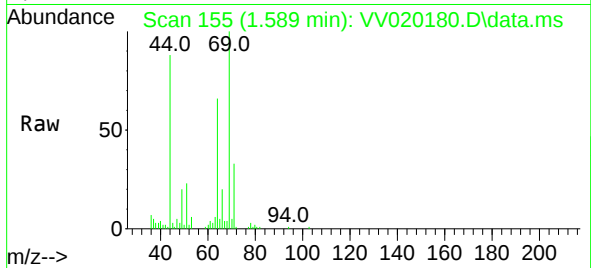
#6
 Bromomethane
 Concen: 2.55 ug/L
 RT: 1.524 min Scan# 135
 Delta R.T. 0.003 min
 Lab File: VV020180.D
 Acq: 26 Jan 2021 19:41

Tgt Ion: 94 Resp: 9678
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.9 122.5

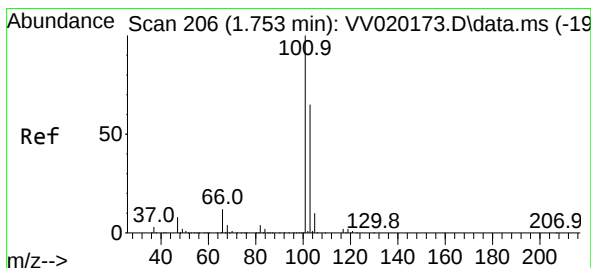
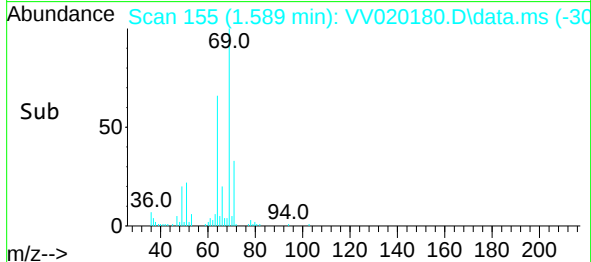
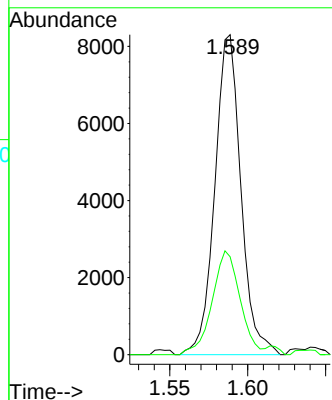




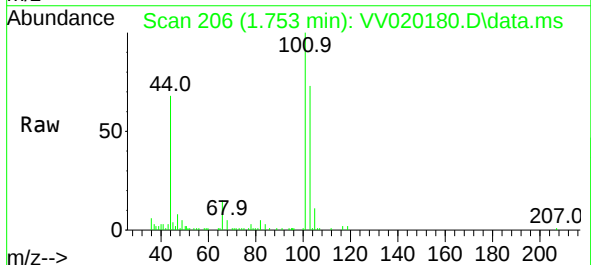
#8
Chloroethane
Concen: 2.28 ug/L
RT: 1.589 min Scan# 155
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



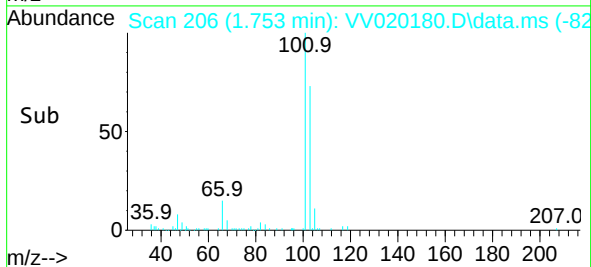
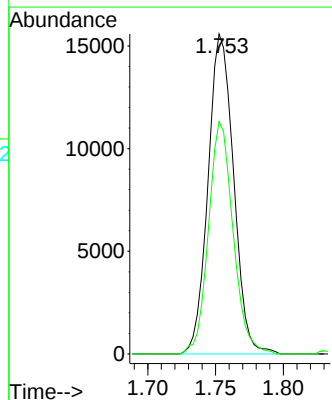
Tgt Ion: 64 Resp: 9663
Ion Ratio Lower Upper
64 100
66 30.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 2.05 ug/L
RT: 1.753 min Scan# 206
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



Tgt Ion: 101 Resp: 20435
Ion Ratio Lower Upper
101 100
103 69.9 51.8 77.6

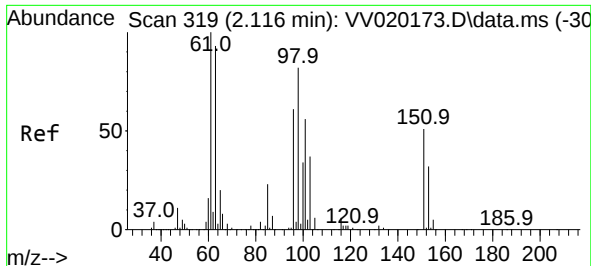


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.60 ug/L
RT: 2.116 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

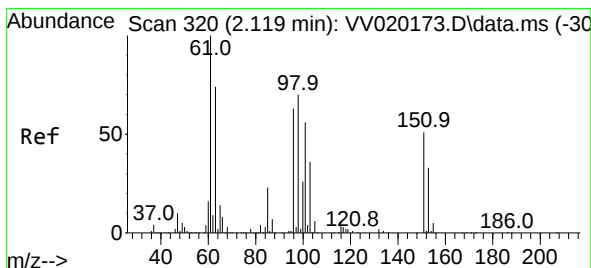
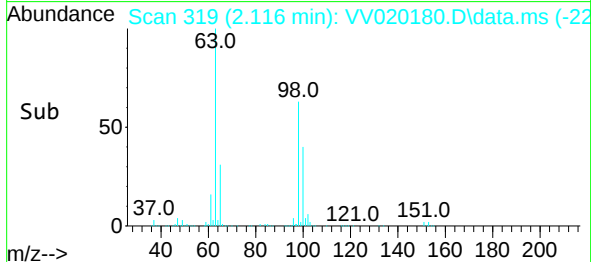
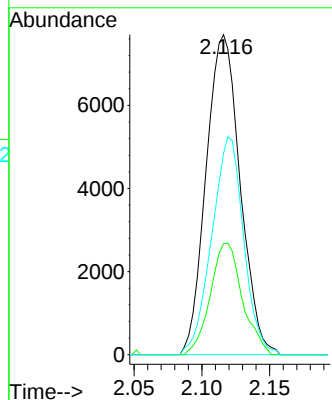
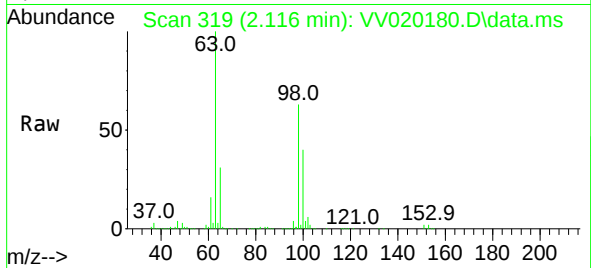
Tgt Ion: 101 Resp: 13437
Ion Ratio Lower Upper
101 100
85 32.9 32.4 48.6
151 63.8 71.0 106.6#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

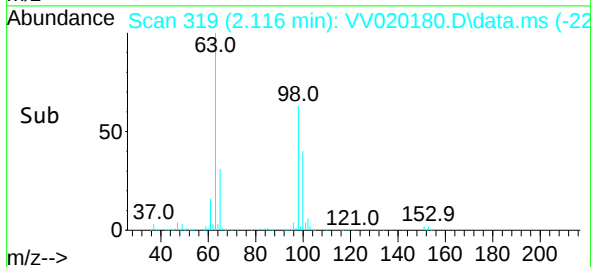
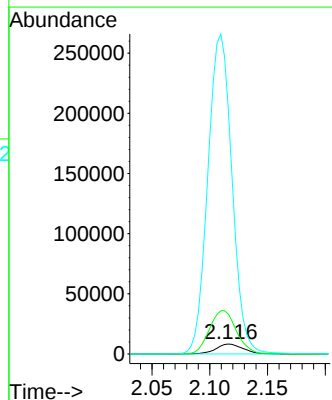
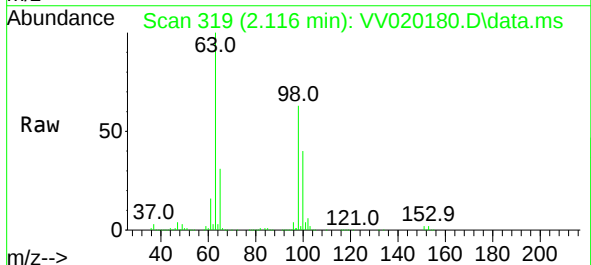
MMDadoda

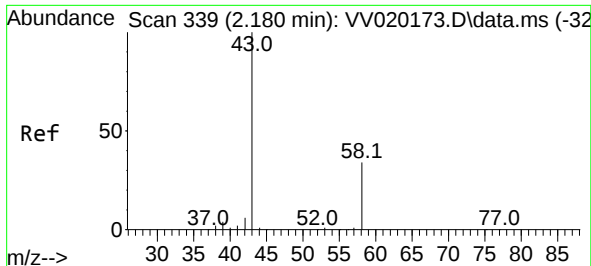
1/29/2021 11:58:07 AM



#12
1,1-Dichloroethene
Concen: 2.78 ug/L
RT: 2.116 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 96 Resp: 13498
Ion Ratio Lower Upper
96 100
61 399.9 110.9 206.1#
63 2467.2 82.1 152.5#





#13
Acetone
Concen: 4.85 ug/L
RT: 2.190 min Scan# 342
Delta R.T. 0.010 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

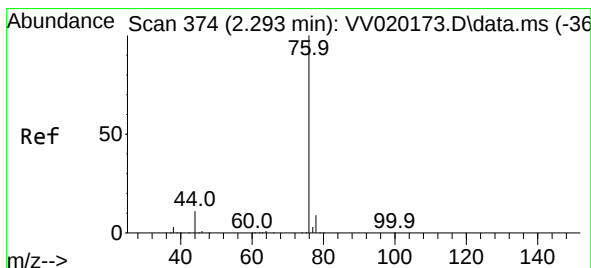
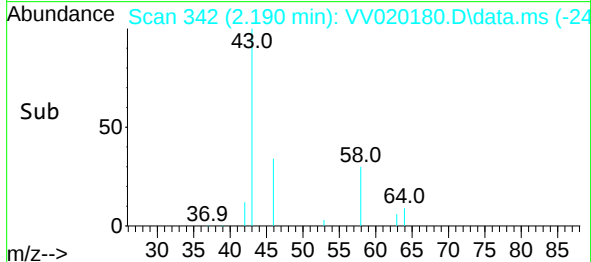
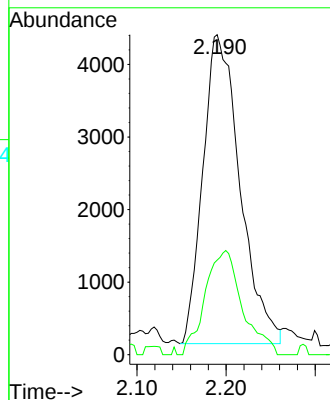
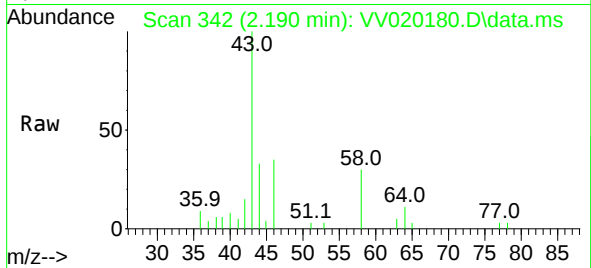
Tgt Ion: 43 Resp: 12315
Ion Ratio Lower Upper
43 100
58 33.8 0.0 68.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

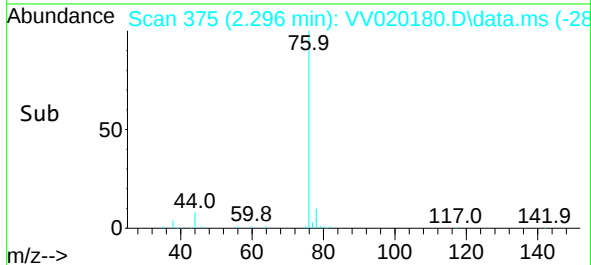
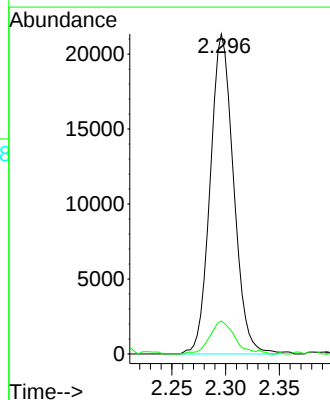
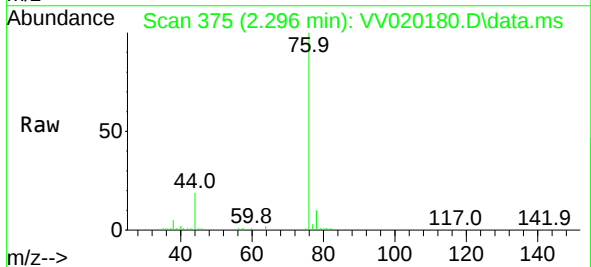
MMDadoda

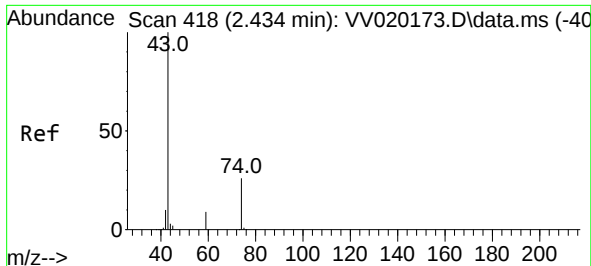
1/29/2021 11:58:07 AM



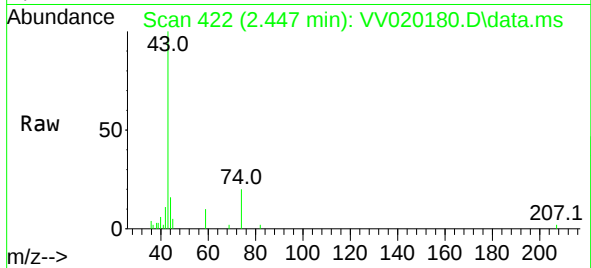
#14
Carbon disulfide
Concen: 2.30 ug/L
RT: 2.296 min Scan# 375
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 76 Resp: 32277
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.2

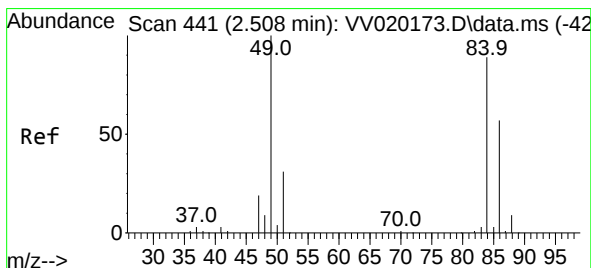
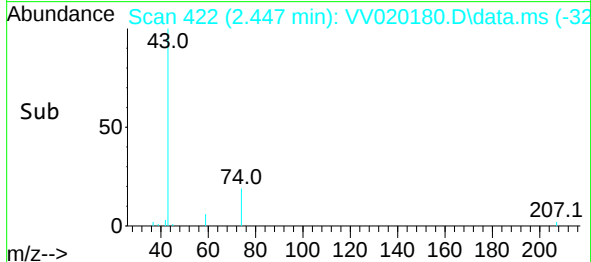
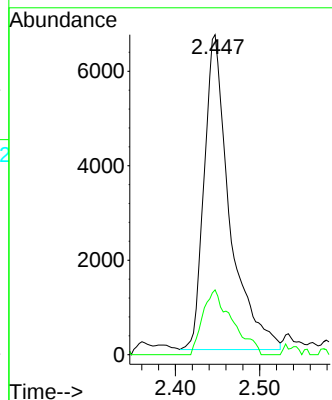




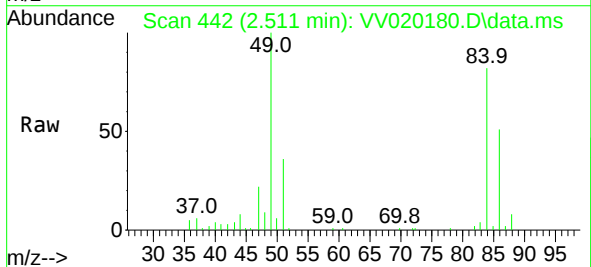
#15
Methyl Acetate
Concen: 2.46 ug/L
RT: 2.447 min Scan# 422
Delta R.T. 0.013 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



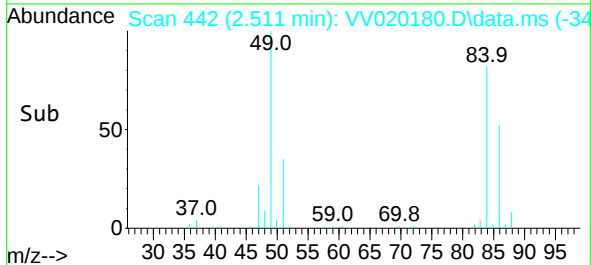
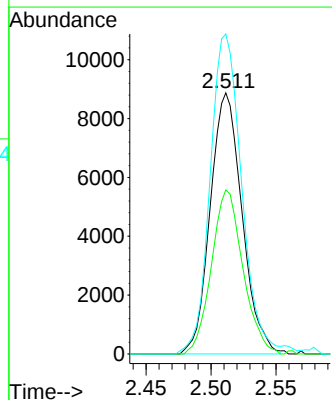
Tgt Ion: 43 Resp: 14029
Ion Ratio Lower Upper
43 100
74 15.0 20.6 30.8#



#16
Methylene chloride
Concen: 2.59 ug/L
RT: 2.511 min Scan# 442
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



Tgt Ion: 84 Resp: 15104
Ion Ratio Lower Upper
84 100
86 62.8 44.8 83.2
49 122.5 78.5 145.7

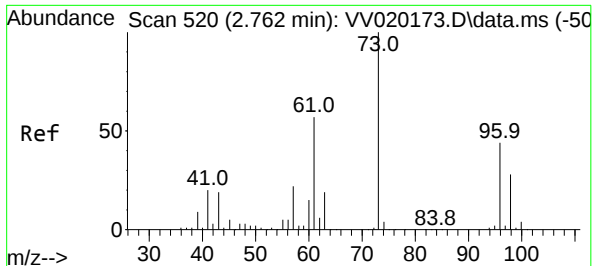


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#17

trans-1,2-Dichloroethene
Concen: 2.26 ug/L
RT: 2.765 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

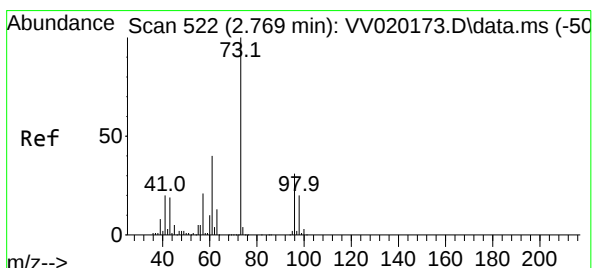
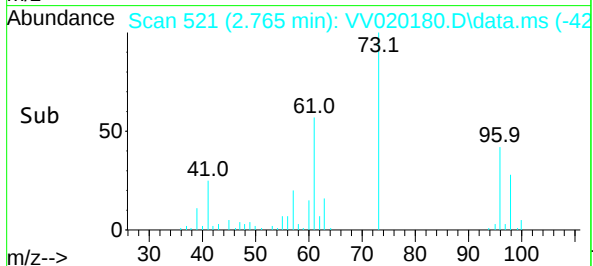
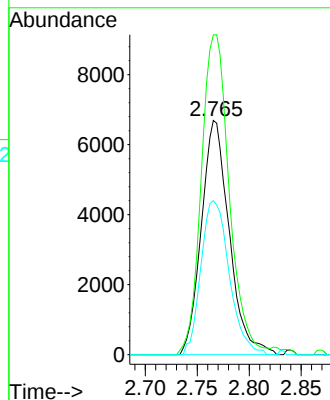
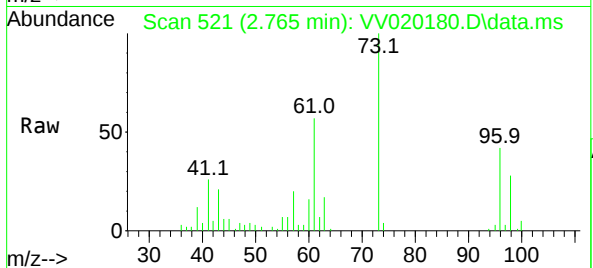
Tgt Ion: 96 Resp: 12488
Ion Ratio Lower Upper
96 100
61 136.5 92.0 170.9
98 65.7 44.2 82.2

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

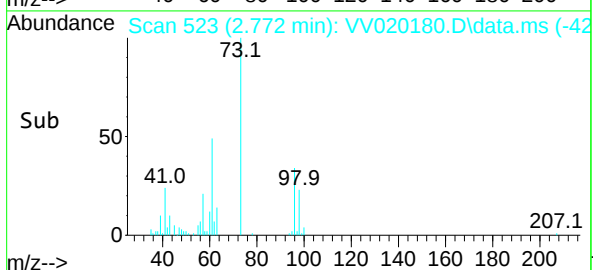
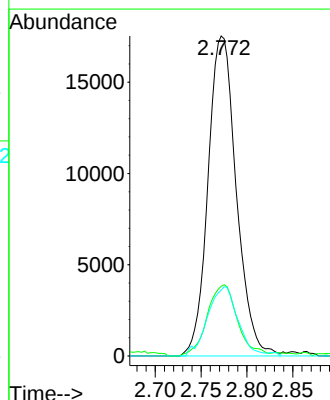
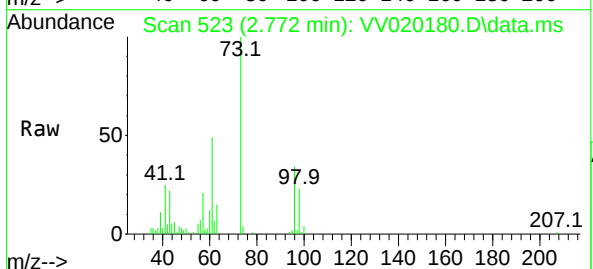
1/29/2021 11:58:07 AM

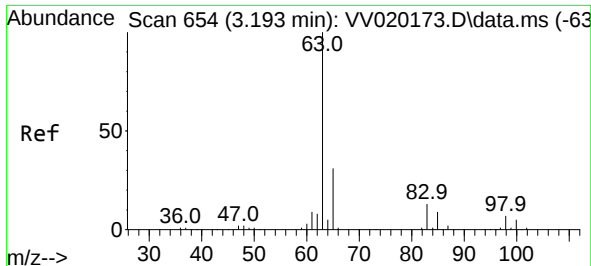


#18

Methyl tert-butyl Ether
Concen: 2.15 ug/L
RT: 2.772 min Scan# 523
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 73 Resp: 37624
Ion Ratio Lower Upper
73 100
43 23.7 15.0 22.6#
57 21.1 17.2 25.8





#19

1,1-Dichloroethane

Concen: 2.16 ug/L

RT: 3.196 min Scan# 655

Delta R.T. 0.003 min

Lab File: VV020180.D

Acq: 26 Jan 2021 19:41

Tgt Ion:	63	Resp:	22662
Ion Ratio	Lower	Upper	
63	100		
65	35.9	21.8	40.4
83	15.1	9.4	17.4

Instrument :

MSVOA_V

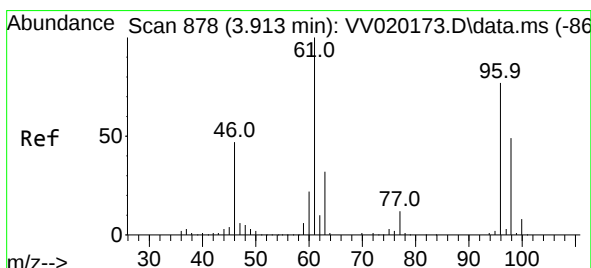
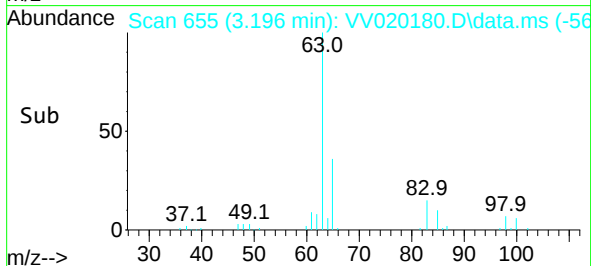
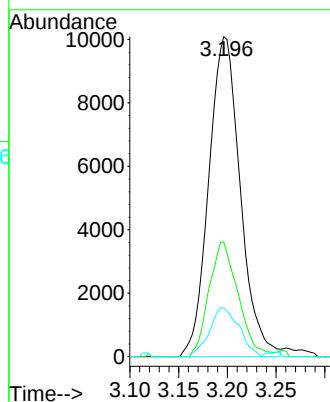
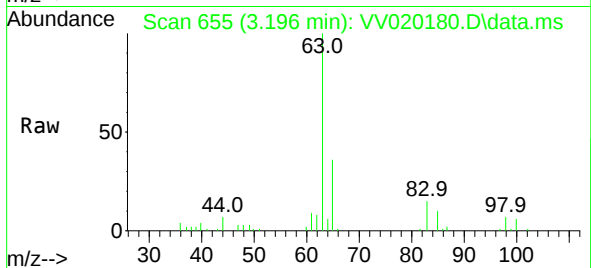
ClientSampleId :

MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#20

cis-1,2-Dichloroethene

Concen: 2.13 ug/L

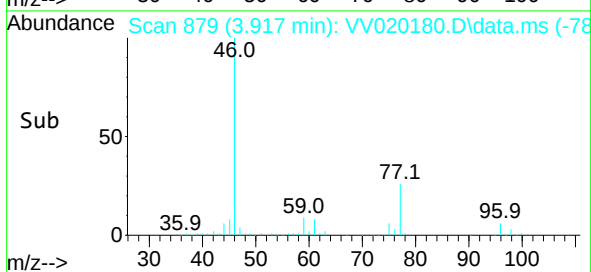
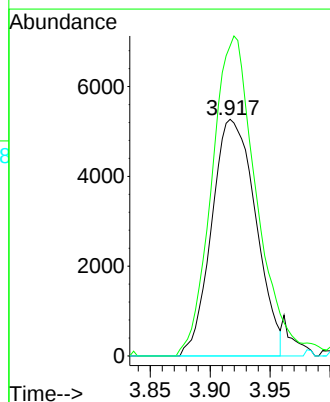
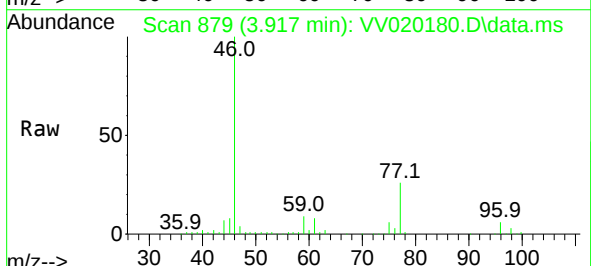
RT: 3.917 min Scan# 879

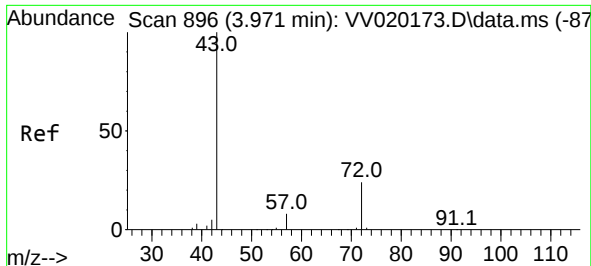
Delta R.T. 0.003 min

Lab File: VV020180.D

Acq: 26 Jan 2021 19:41

Tgt Ion:	96	Resp:	13464
Ion Ratio	Lower	Upper	
96	100		
61	131.1	90.6	168.3
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 3.97 ug/L m
RT: 4.013 min Scan# 909
Delta R.T. 0.042 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

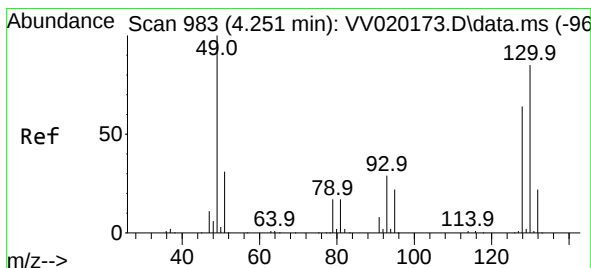
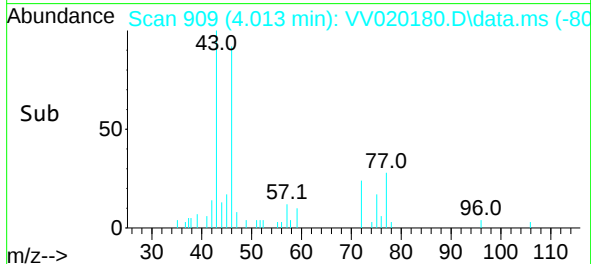
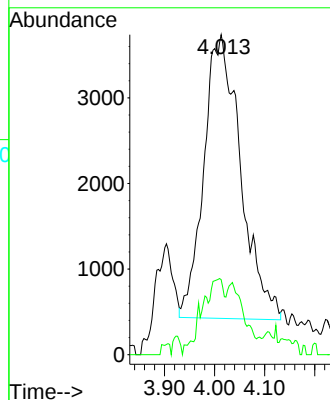
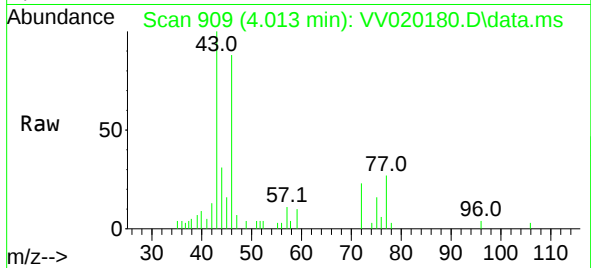
Tgt Ion: 43 Resp: 16893
Ion Ratio Lower Upper
43 100
72 0.5 12.7 38.1#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

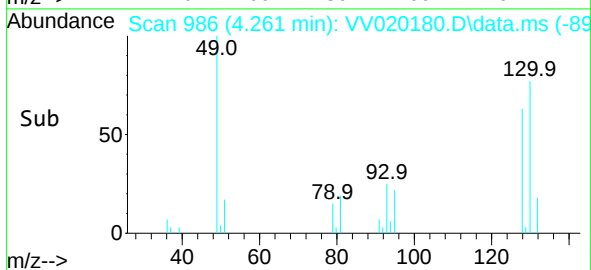
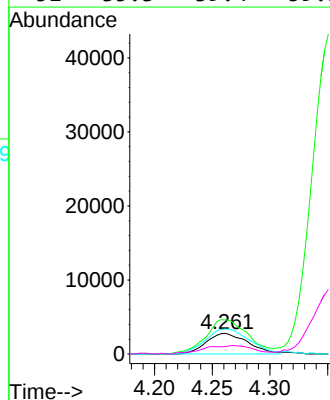
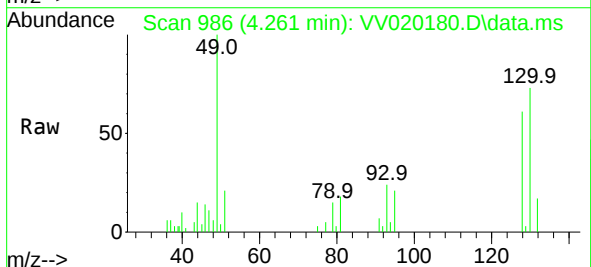
MMDadoda

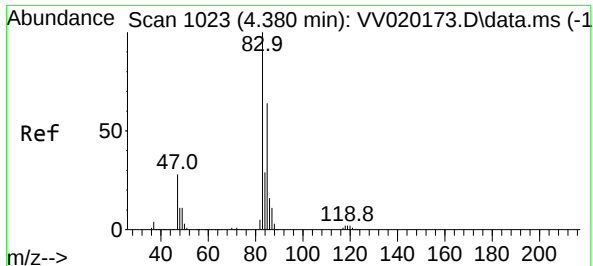
1/29/2021 11:58:07 AM



#23
Bromochloromethane
Concen: 2.02 ug/L
RT: 4.261 min Scan# 986
Delta R.T. 0.010 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 128 Resp: 6972
Ion Ratio Lower Upper
128 100
49 165.2 109.8 203.8
130 120.7 92.8 172.4
51 35.3 39.4 59.2#





#25

Chloroform

Concen: 2.49 ug/L

RT: 4.383 min Scan# 1024

Delta R.T. 0.003 min

Lab File: VV020180.D

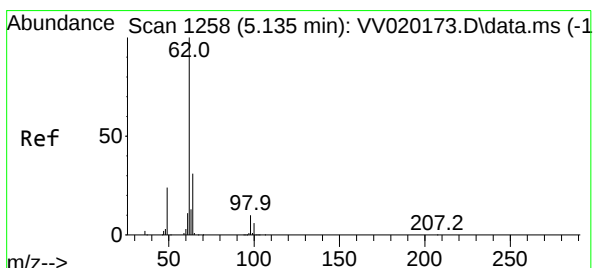
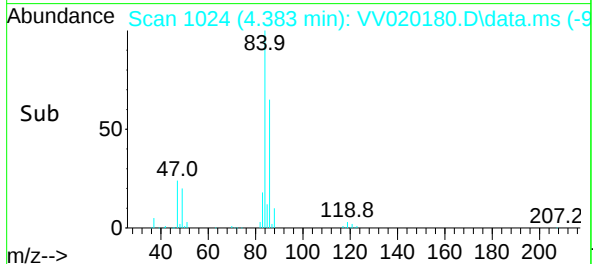
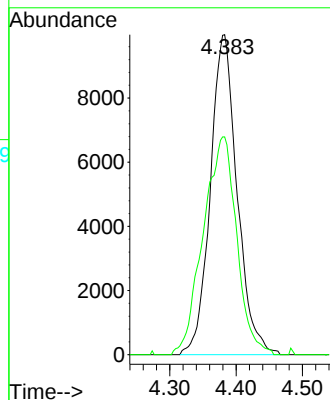
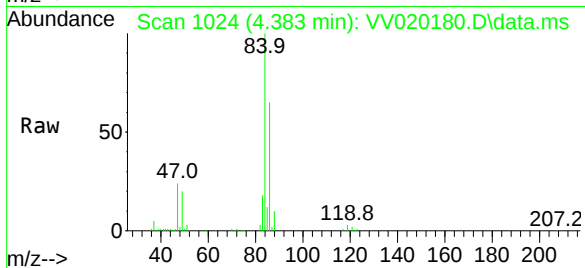
Acq: 26 Jan 2021 19:41

Tgt Ion: 83 Resp: 28049

Ion Ratio Lower Upper

83 100

85 68.0 44.6 82.8



#27

1,2-Dichloroethane

Concen: 2.28 ug/L

RT: 5.145 min Scan# 1261

Delta R.T. 0.010 min

Lab File: VV020180.D

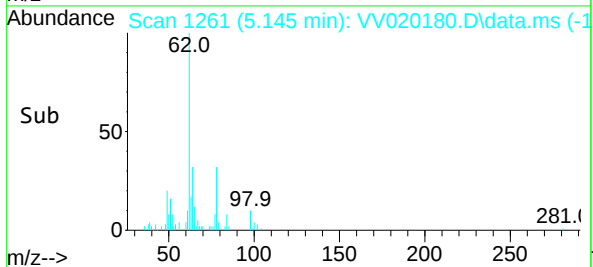
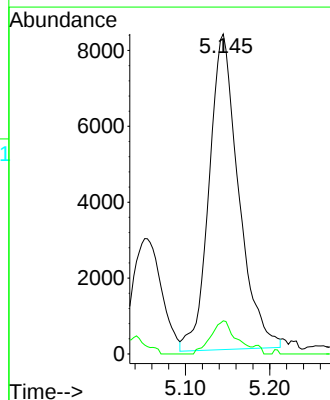
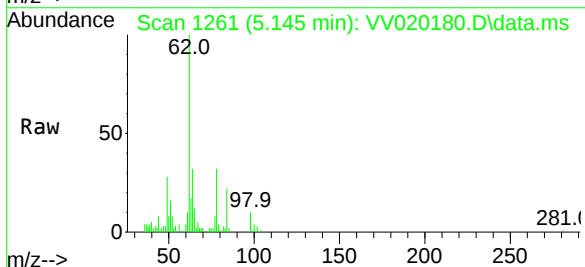
Acq: 26 Jan 2021 19:41

Tgt Ion: 62 Resp: 20249

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.6



Instrument :

MSVOA_V

ClientSampleId :

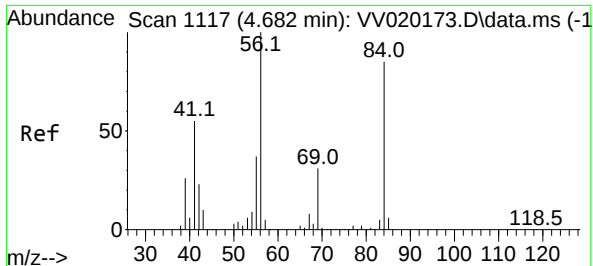
MDL-MED-SOIL-QT1-2021-02

Manual Integrations

APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#29

Cyclohexane

Concen: 1.90 ug/L

RT: 4.685 min Scan# 1118

Delta R.T. 0.003 min

Lab File: VV020180.D

Acq: 26 Jan 2021 19:41

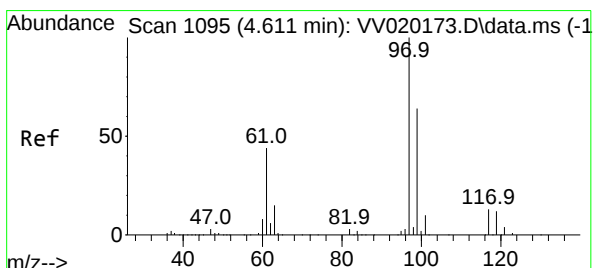
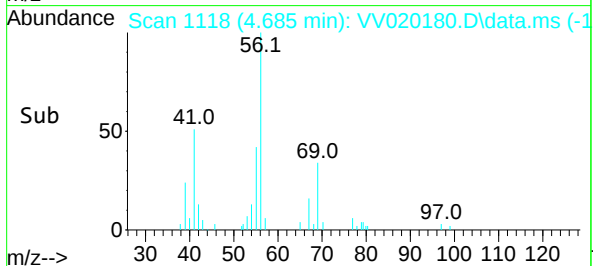
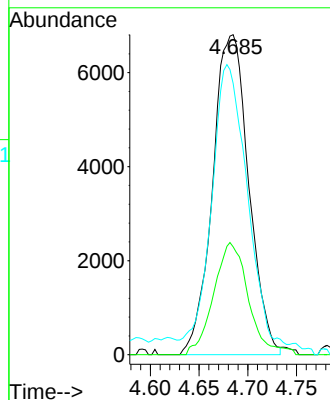
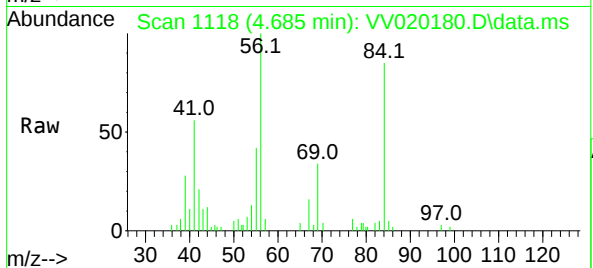
Tgt Ion:	56	Resp:	17537
Ion Ratio	Lower	Upper	
56	100		
69	33.7	25.1	37.7
84	80.2	70.6	106.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#30

1,1,1-Trichloroethane

Concen: 2.01 ug/L

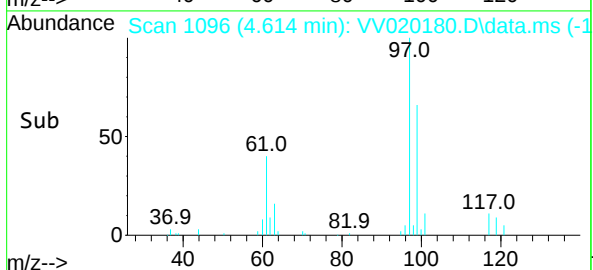
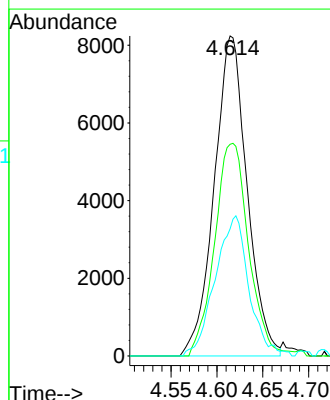
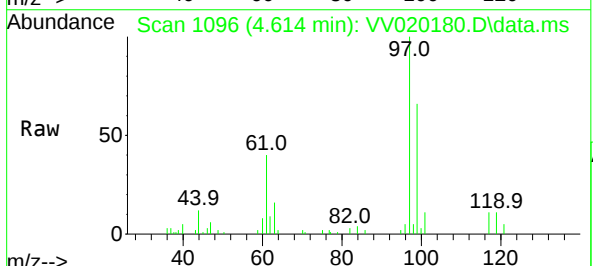
RT: 4.614 min Scan# 1096

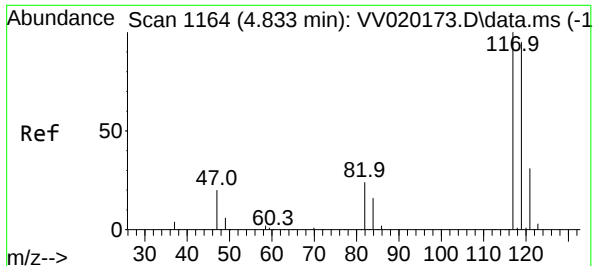
Delta R.T. 0.003 min

Lab File: VV020180.D

Acq: 26 Jan 2021 19:41

Tgt Ion:	97	Resp:	20562
Ion Ratio	Lower	Upper	
97	100		
99	68.8	51.9	77.9
61	43.8	35.4	53.2





#31
Carbon tetrachloride
Concen: 1.93 ug/L
RT: 4.839 min Scan# 1166
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

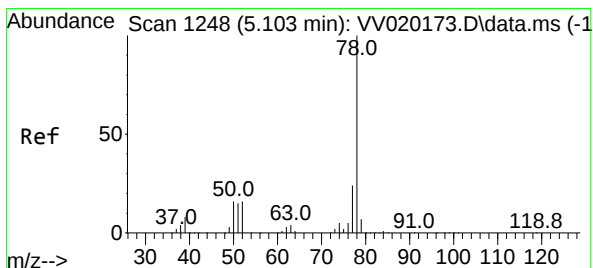
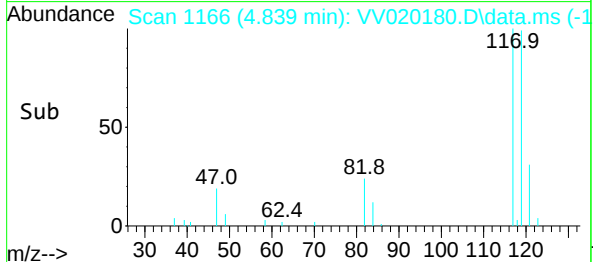
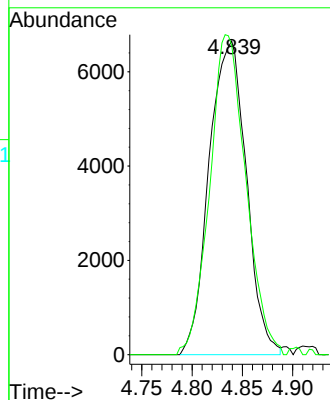
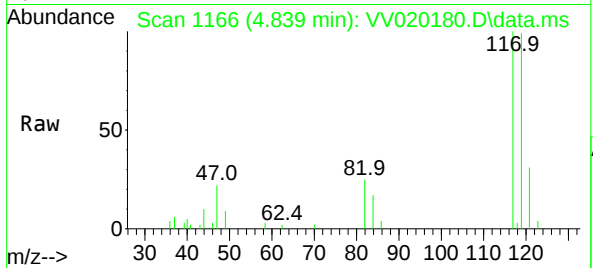
Tgt Ion: 117 Resp: 17122
Ion Ratio Lower Upper
117 100
119 98.9 76.9 115.3

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

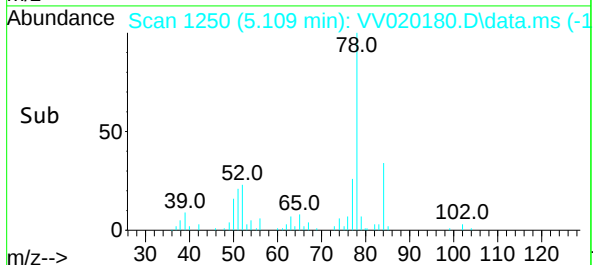
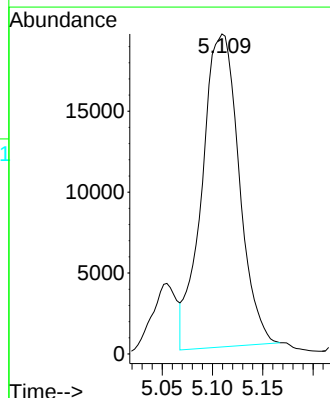
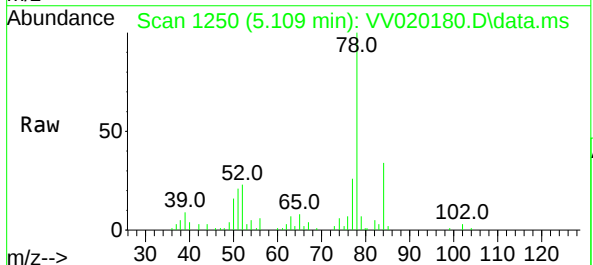
MMDadoda

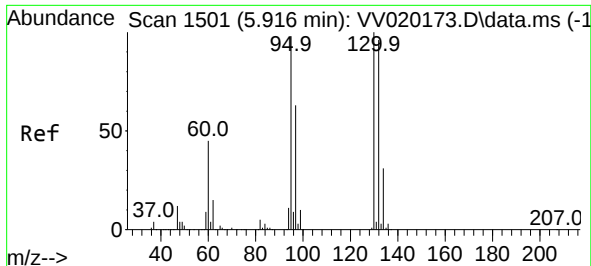
1/29/2021 11:58:07 AM



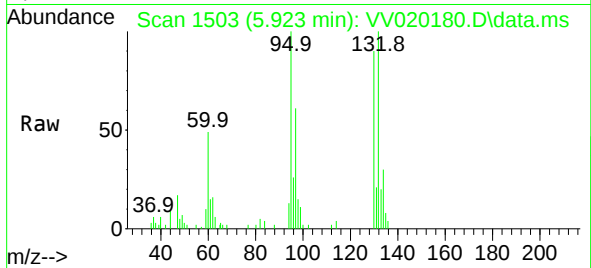
#33
Benzene
Concen: 2.06 ug/L
RT: 5.109 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 78 Resp: 49646

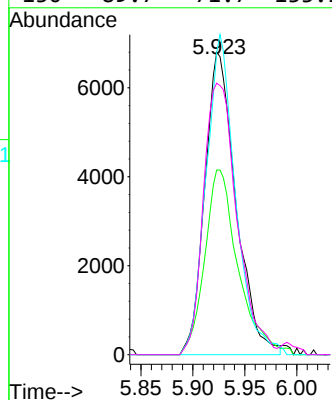




#34
Trichloroethene
Concen: 2.11 ug/L
RT: 5.923 min Scan# 1503
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



Tgt Ion:	95	Resp:	14202
Ion	Ratio	Lower	Upper
95	100		
97	61.0	45.4	84.4
132	99.9	68.7	127.7
130	89.7	71.7	133.1

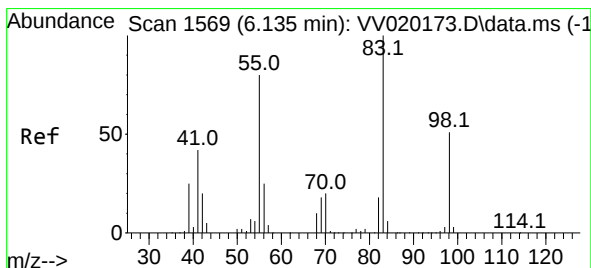


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

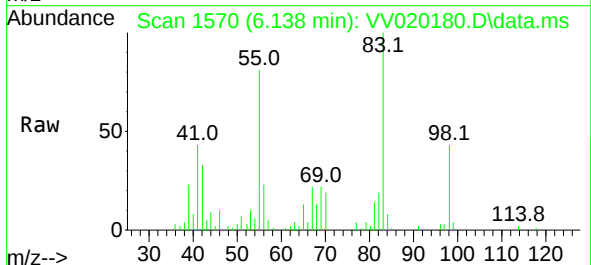
Manual Integrations
APPROVED

MMDadoda

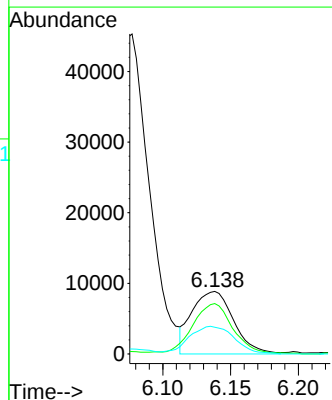
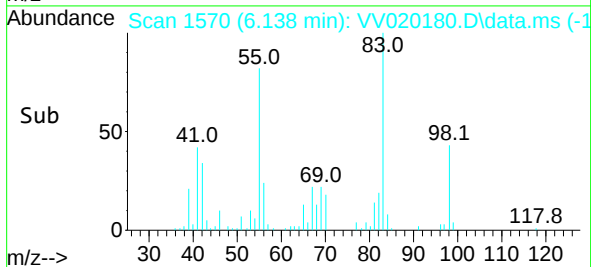
1/29/2021 11:58:07 AM

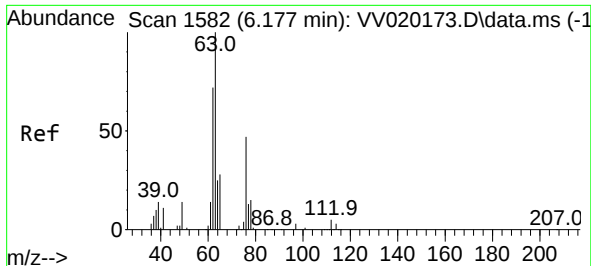


#35
Methylcyclohexane
Concen: 1.92 ug/L
RT: 6.138 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



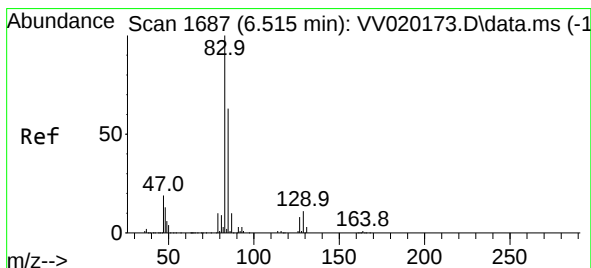
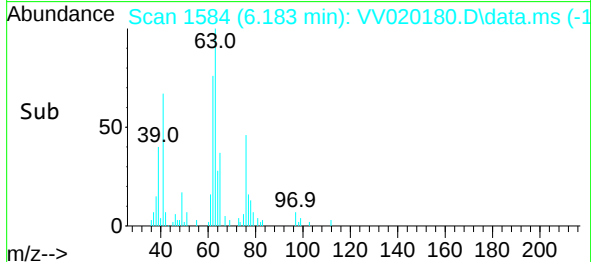
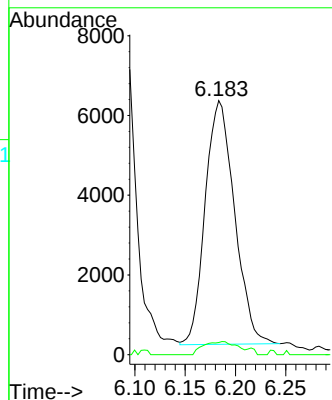
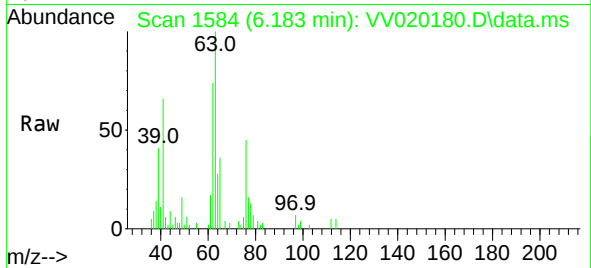
Tgt Ion:	83	Resp:	18975
Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.4	92.0
98	48.2	39.9	59.9





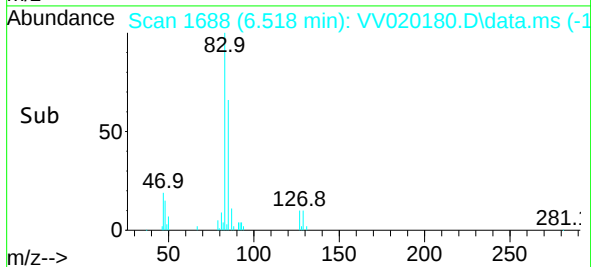
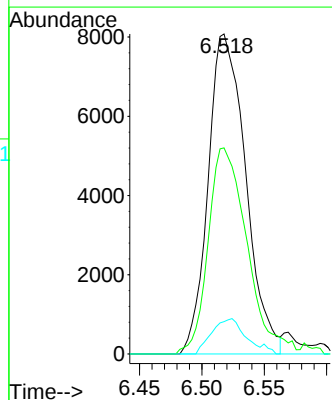
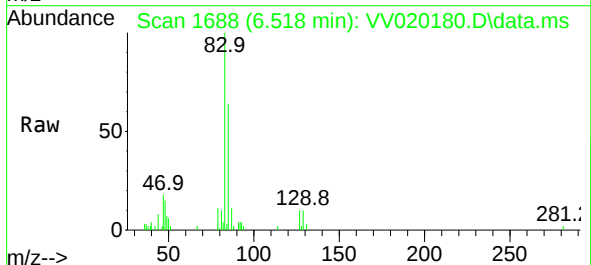
#37
1,2-Dichloropropane
Concen: 1.91 ug/L
RT: 6.183 min Scan# 1584
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 63 Resp: 12432
Ion Ratio Lower Upper
63 100
112 2.6 3.9 5.9#



#38
Bromodichloromethane
Concen: 1.92 ug/L
RT: 6.518 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 83 Resp: 16909
Ion Ratio Lower Upper
83 100
85 64.4 44.2 82.2
127 10.1 6.8 10.2

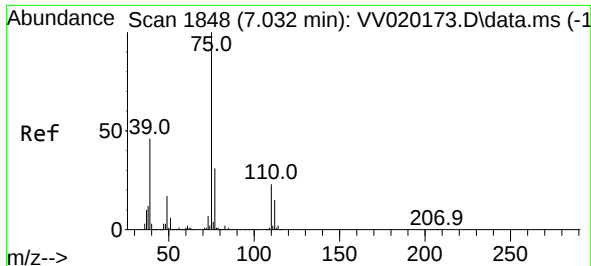


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#39
cis-1,3-Dichloropropene
Concen: 1.91 ug/L
RT: 7.039 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

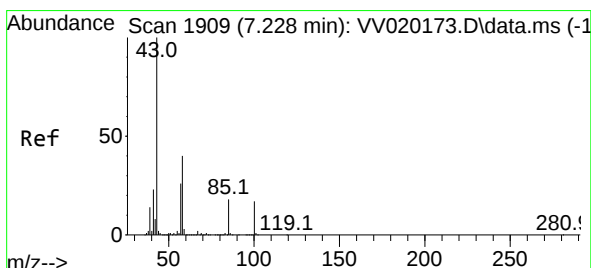
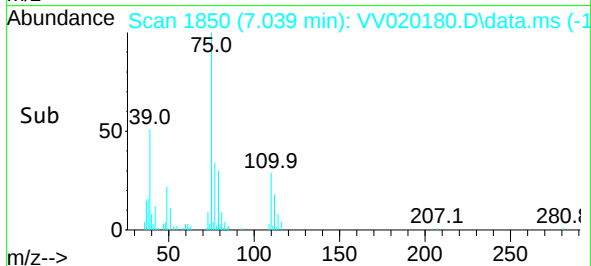
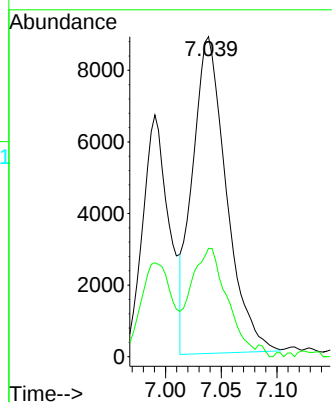
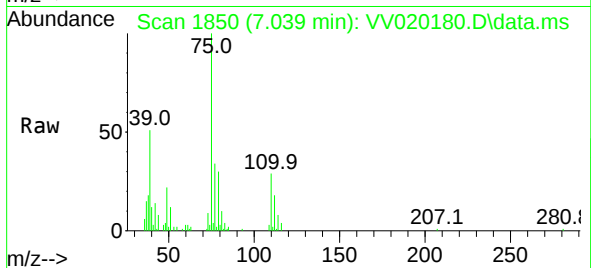
Tgt Ion: 75 Resp: 18719
Ion Ratio Lower Upper
75 100
77 33.9 21.8 40.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

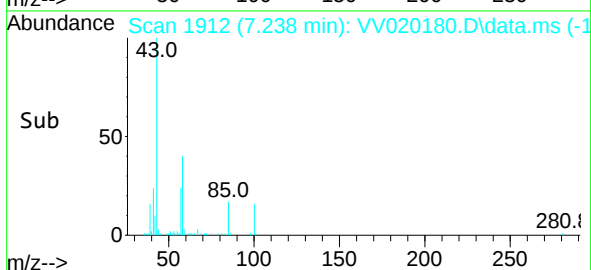
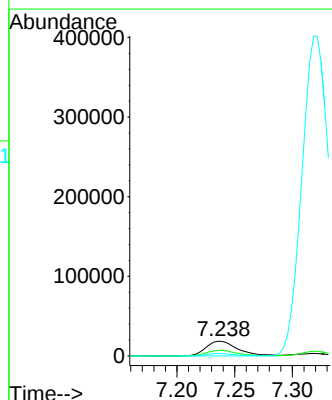
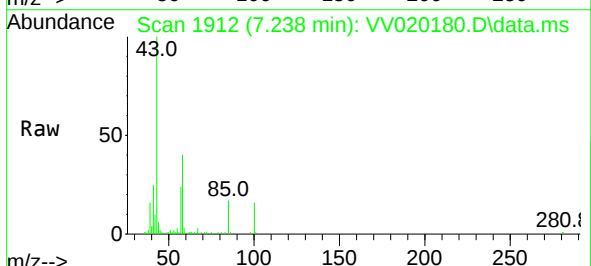
MMDadoda

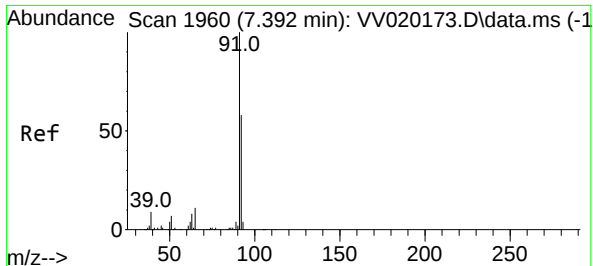
1/29/2021 11:58:07 AM



#40
4-Methyl-2-pentanone
Concen: 3.91 ug/L
RT: 7.238 min Scan# 1912
Delta R.T. 0.010 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 43 Resp: 34915
Ion Ratio Lower Upper
43 100
58 38.4 32.1 48.1
100 15.8 13.4 20.0





#42

Toluene

Concen: 2.05 ug/L

RT: 7.395 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VV020180.D

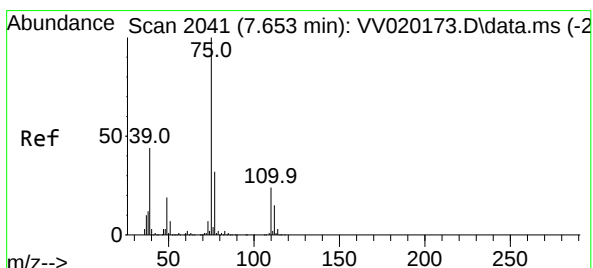
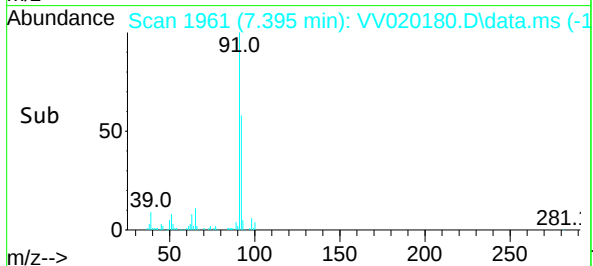
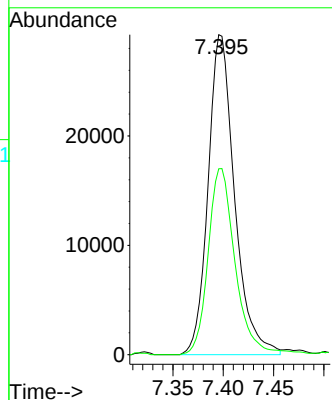
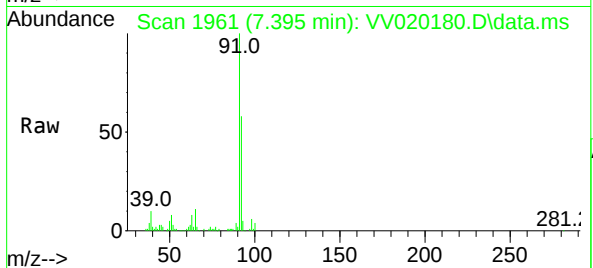
Acq: 26 Jan 2021 19:41

Tgt Ion: 91 Resp: 53653

Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 1.85 ug/L

RT: 7.659 min Scan# 2043

Delta R.T. 0.006 min

Lab File: VV020180.D

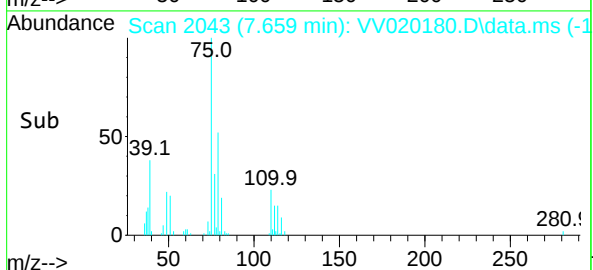
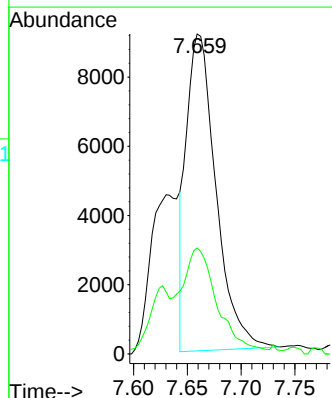
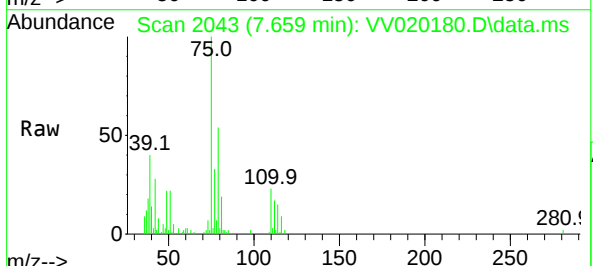
Acq: 26 Jan 2021 19:41

Tgt Ion: 75 Resp: 17520

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.7



Instrument :

MSVOA_V

ClientSampleId :

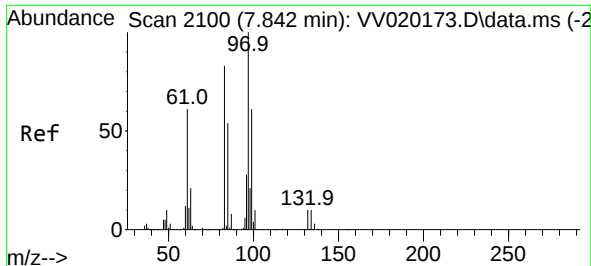
MDL-MED-SOIL-QT1-2021-02

Manual Integrations

APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#45
1,1,2-Trichloroethane
Concen: 2.13 ug/L
RT: 7.849 min Scan# 2102
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

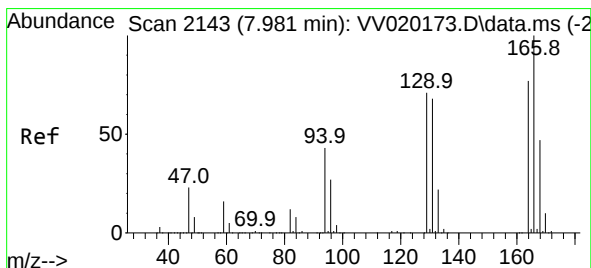
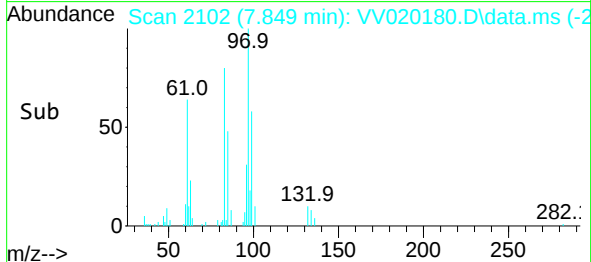
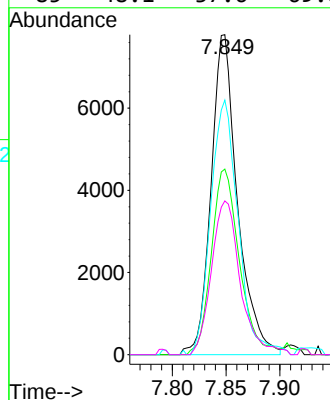
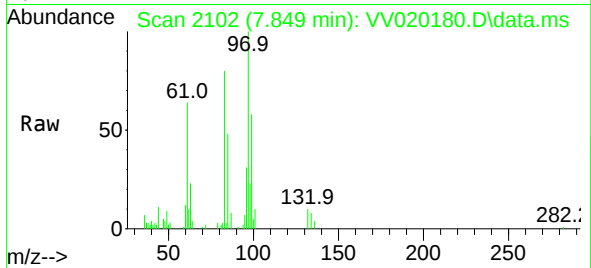
Tgt Ion:	97	Resp:	13313
Ion	Ratio	Lower	Upper
97	100		
99	58.0	43.0	79.8
83	79.6	57.8	107.4
85	48.1	37.6	69.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

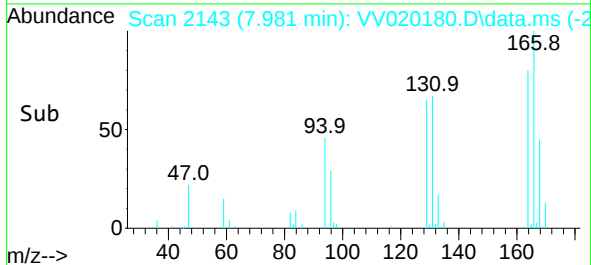
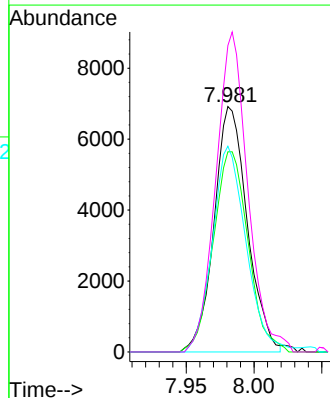
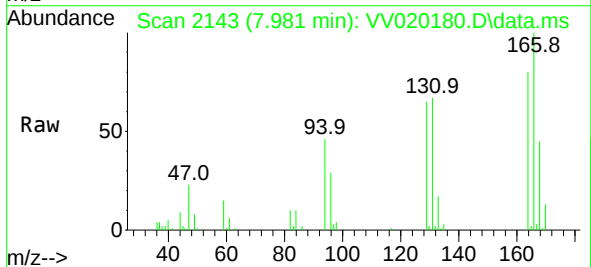
MMDadoda

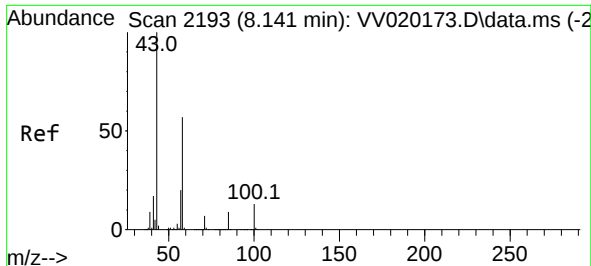
1/29/2021 11:58:07 AM



#46
Tetrachloroethene
Concen: 2.13 ug/L
RT: 7.981 min Scan# 2143
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

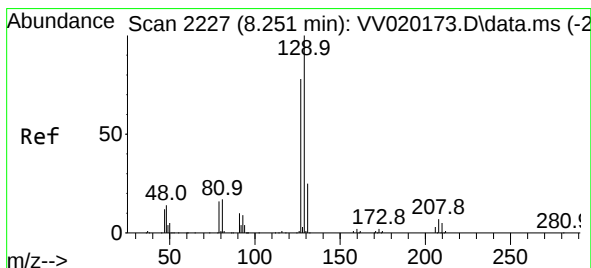
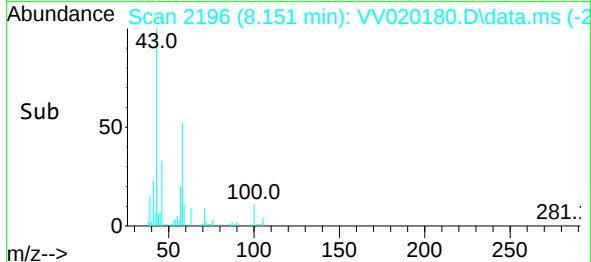
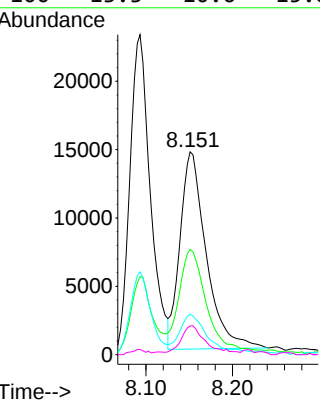
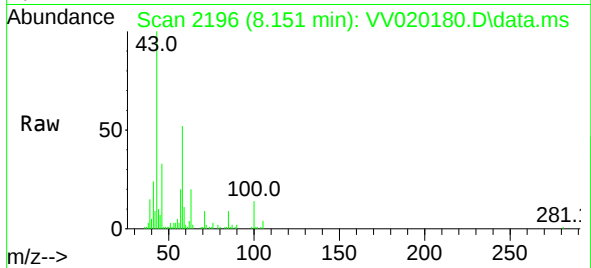
Tgt Ion:	164	Resp:	11768
Ion	Ratio	Lower	Upper
164	100		
129	81.6	64.0	118.8
131	83.8	61.2	113.8
166	124.8	90.6	168.3





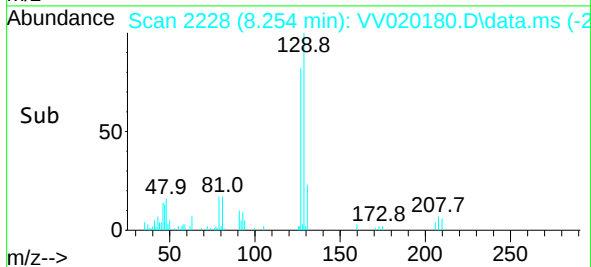
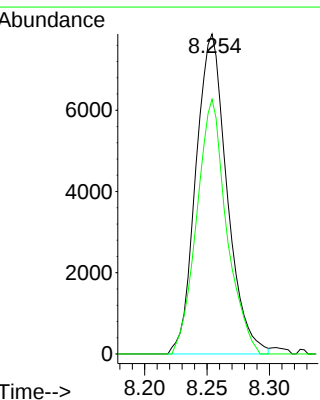
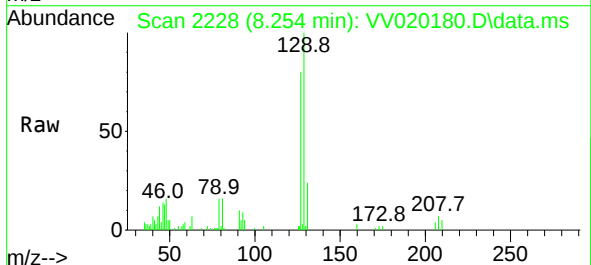
#48
2-Hexanone
Concen: 4.75 ug/L
RT: 8.151 min Scan# 2196
Delta R.T. 0.010 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 43	Resp: 30349
Ion Ratio	Lower Upper
43 100	
58 50.6	45.3 67.9
57 17.5	15.8 23.6
100 13.3	10.6 15.8



#49
Dibromochloromethane
Concen: 1.97 ug/L
RT: 8.254 min Scan# 2228
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion:129	Resp:	13714	
Ion	Ratio	Lower	Upper
129	100		
127	79.6	54.7	101.7

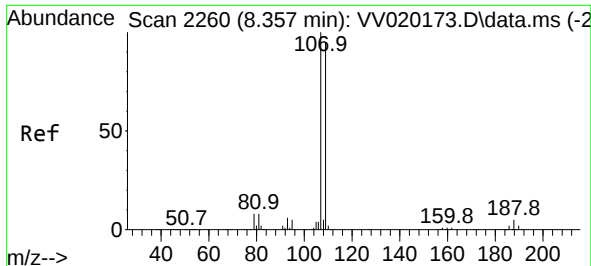


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

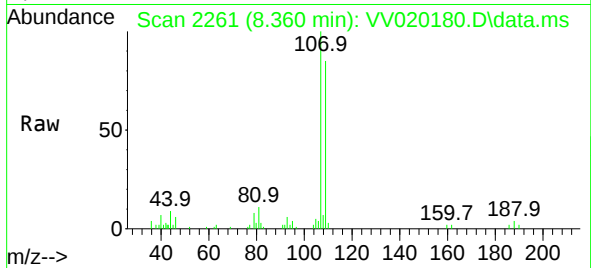
Manual Integrations
APPROVED

MMDadoda

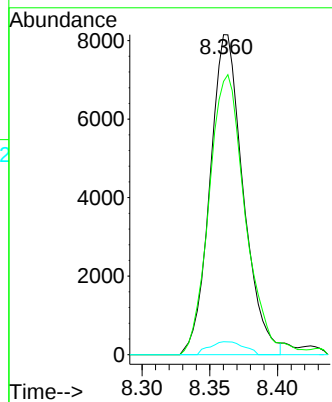
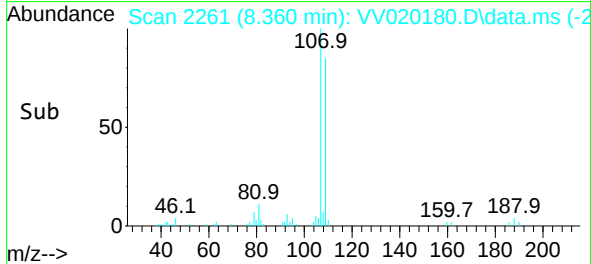
1/29/2021 11:58:07 AM



#50
1,2-Dibromoethane
Concen: 2.08 ug/L
RT: 8.360 min Scan# 2261
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



Tgt Ion:107 Resp: 13872
Ion Ratio Lower Upper
107 100
109 85.4 66.2 123.0
188 4.0 3.6 5.4

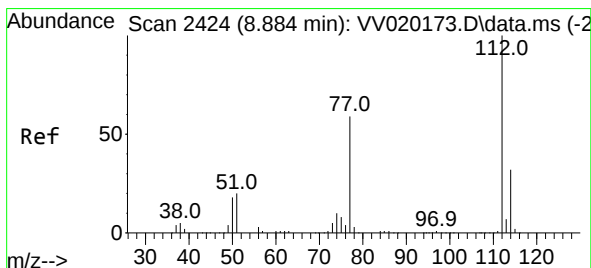


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

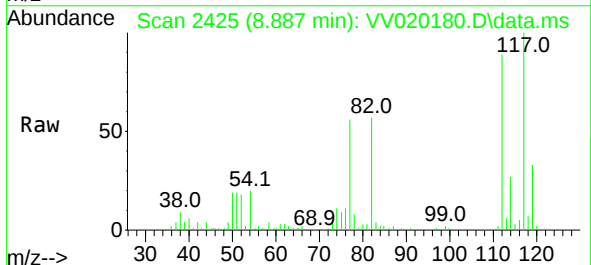
Manual Integrations
APPROVED

MMDadoda

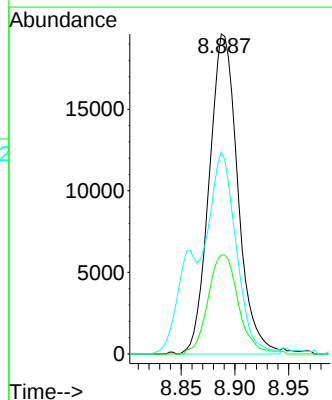
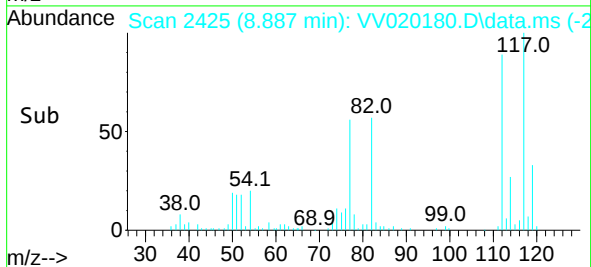
1/29/2021 11:58:07 AM

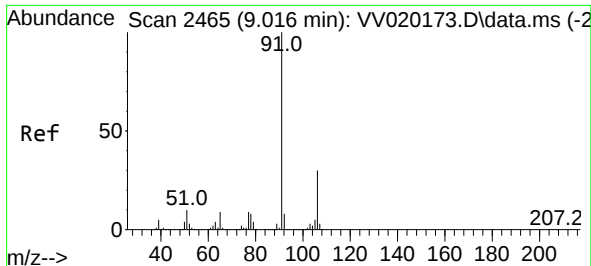


#51
Chlorobenzene
Concen: 2.10 ug/L
RT: 8.887 min Scan# 2425
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



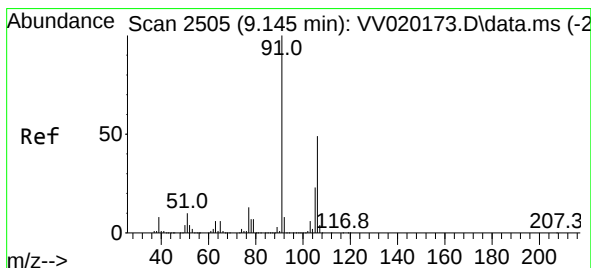
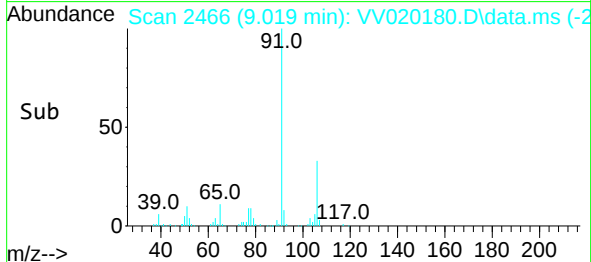
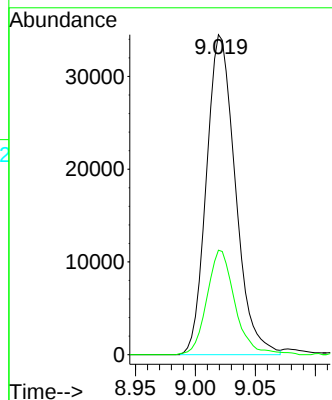
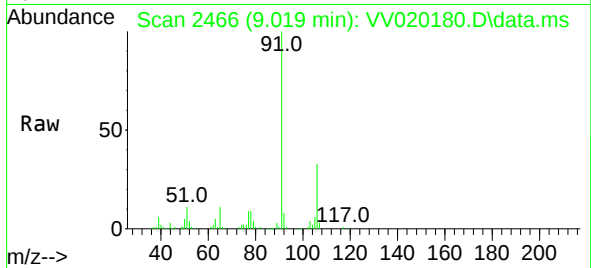
Tgt Ion:112 Resp: 36307
Ion Ratio Lower Upper
112 100
114 30.9 22.5 41.7
77 63.0 47.3 70.9





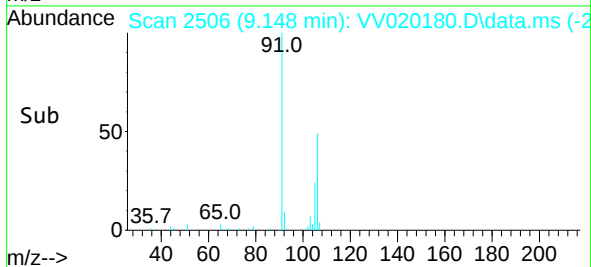
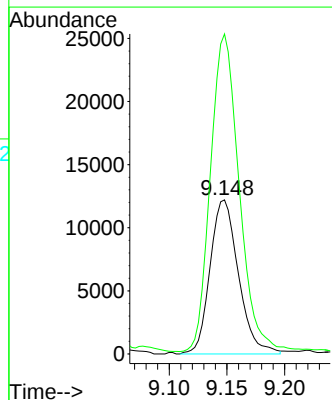
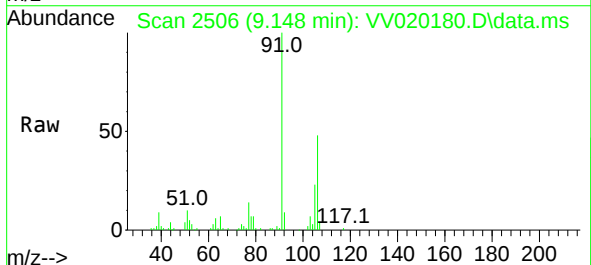
#52
Ethylbenzene
Concen: 2.02 ug/L
RT: 9.019 min Scan# 2466
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 91 Resp: 57866
Ion Ratio Lower Upper
91 100
106 32.6 21.3 39.6



#53
m,p-Xylene
Concen: 1.90 ug/L
RT: 9.148 min Scan# 2506
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion: 106 Resp: 20893
Ion Ratio Lower Upper
106 100
91 207.7 143.1 265.7

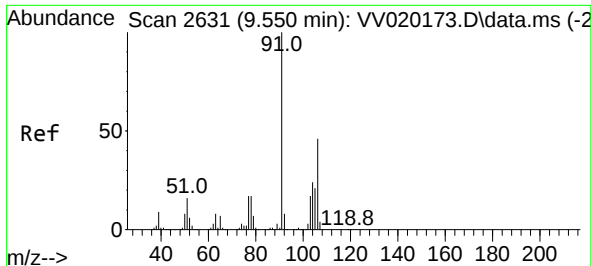


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM



#54
o-Xylene
Concen: 1.96 ug/L
RT: 9.550 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

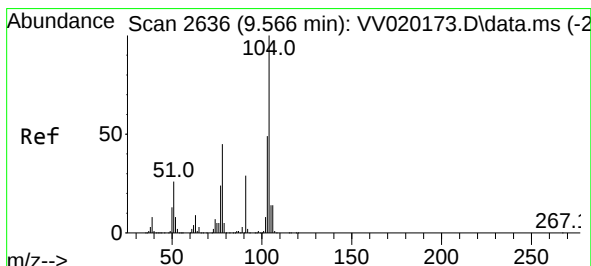
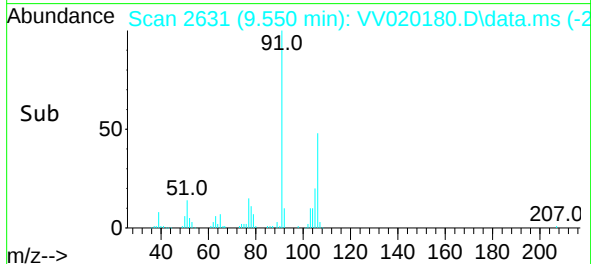
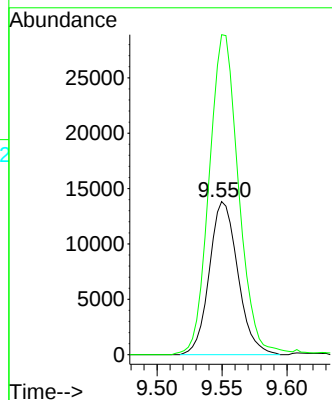
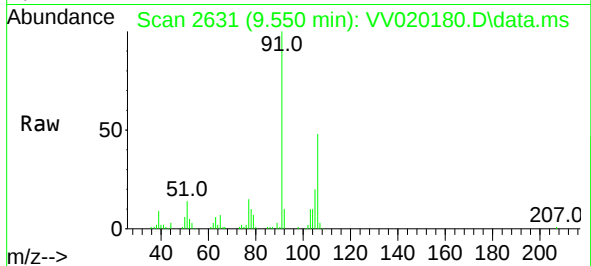
Tgt Ion:106 Resp: 21120
Ion Ratio Lower Upper
106 100
91 208.9 153.6 285.3

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

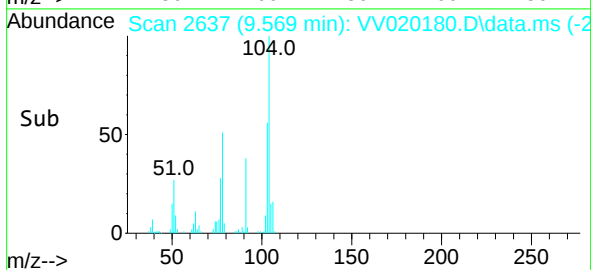
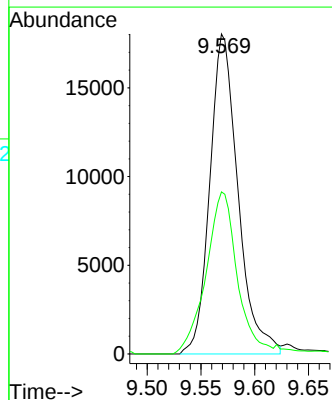
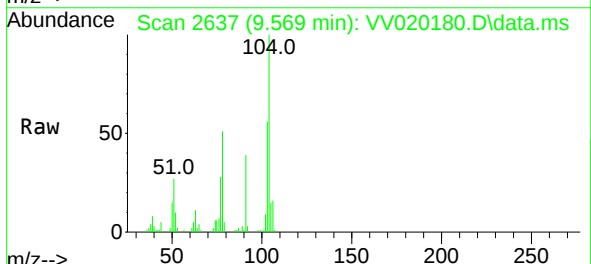
MMDadoda

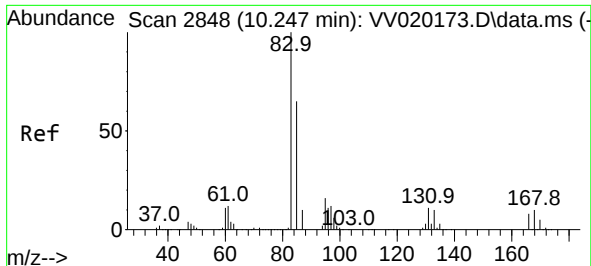
1/29/2021 11:58:07 AM



#55
Styrene
Concen: 1.76 ug/L
RT: 9.569 min Scan# 2637
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion:104 Resp: 32871
Ion Ratio Lower Upper
104 100
78 50.6 31.6 58.8





#57
1,1,2,2-Tetrachloroethane
Concen: 2.04 ug/L
RT: 10.247 min Scan# 2848
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

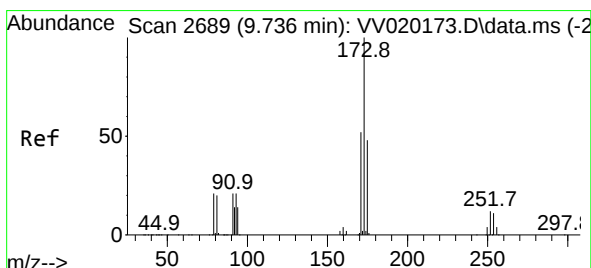
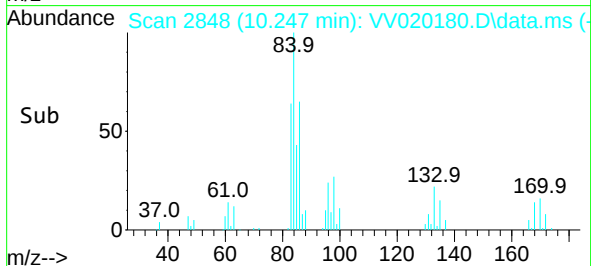
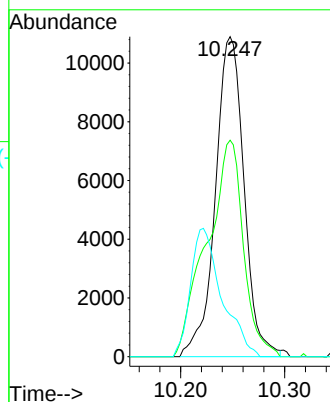
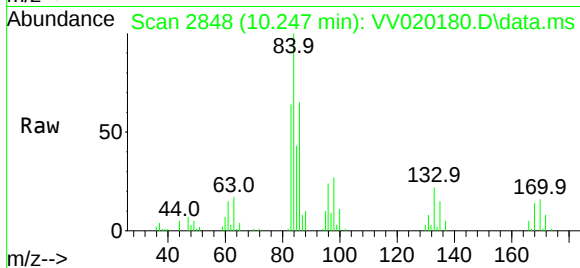
Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	45.4	84.4
131	13.1	8.6	12.8#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

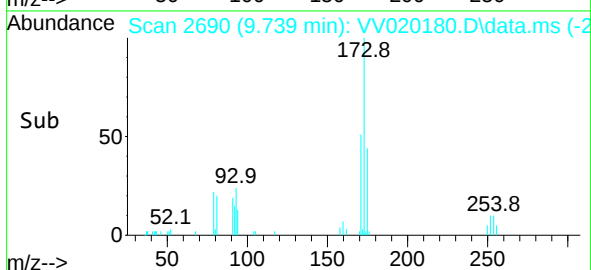
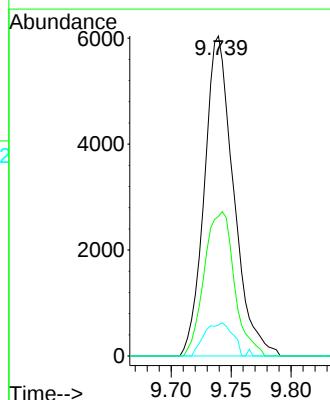
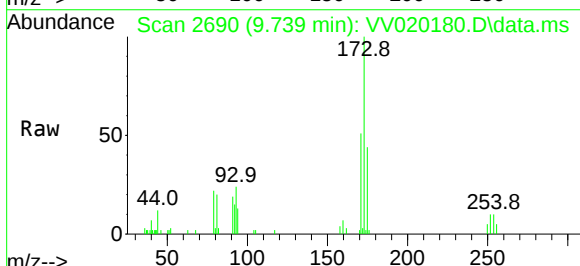
MMDadoda

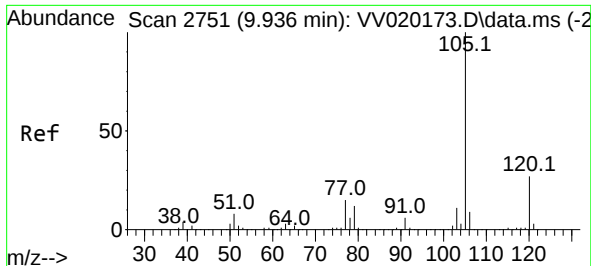
1/29/2021 11:58:07 AM



#59
Bromoform
Concen: 1.91 ug/L
RT: 9.739 min Scan# 2690
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.5	39.0	58.6
254	4.5	9.5	14.3#





#60
Isopropylbenzene
Concen: 2.02 ug/L
RT: 9.939 min Scan# 2752
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

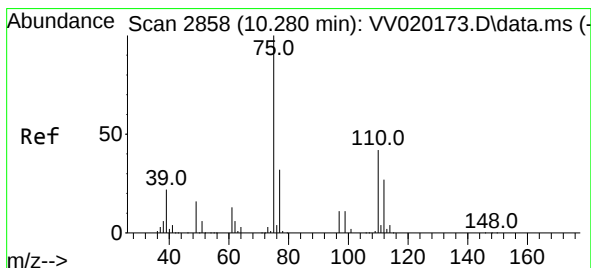
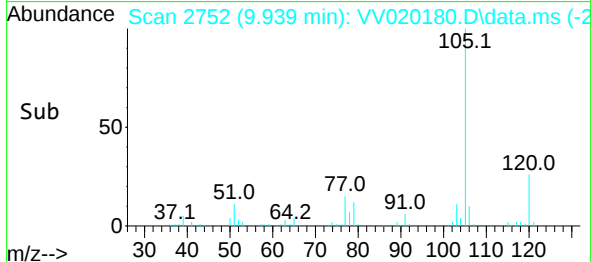
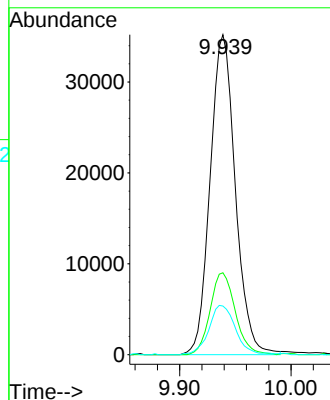
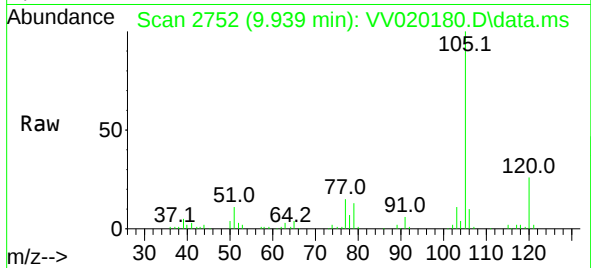
Tgt Ion:	105	Resp:	55304
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.2	31.8
77	16.2	11.8	17.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

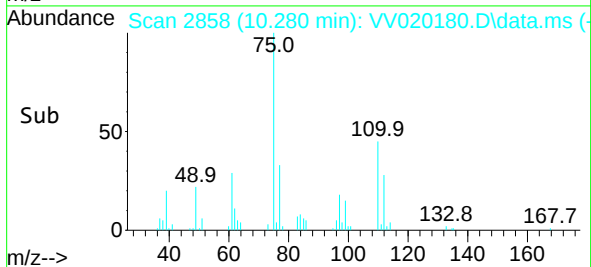
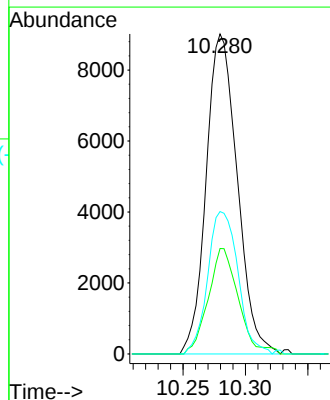
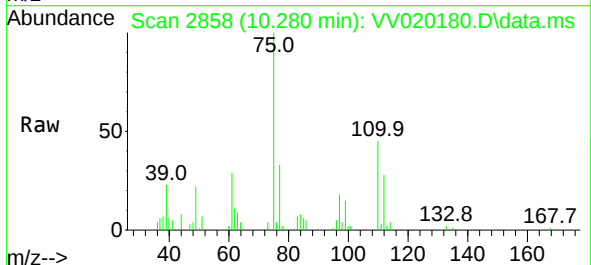
MMDadoda

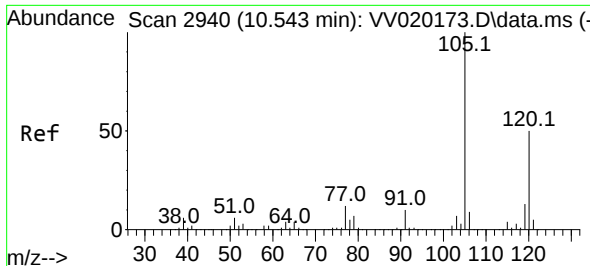
1/29/2021 11:58:07 AM



#61
1,2,3-Trichloropropane
Concen: 2.01 ug/L
RT: 10.280 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion:	75	Resp:	15624
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.7	38.5
110	43.4	33.3	49.9





#62
1,3,5-Trimethylbenzene
Concen: 1.89 ug/L
RT: 10.546 min Scan# 2941
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

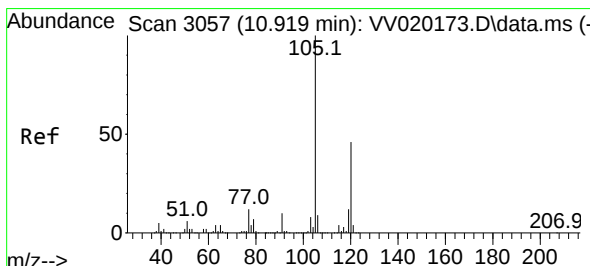
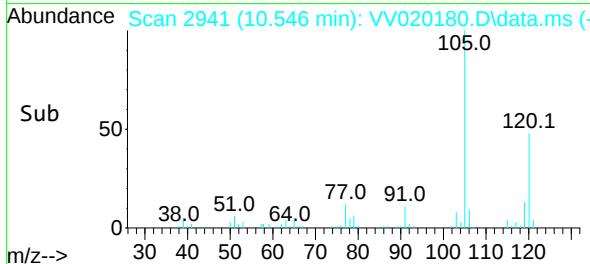
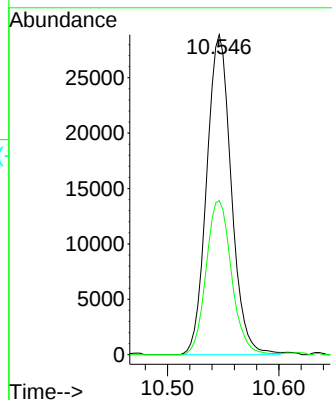
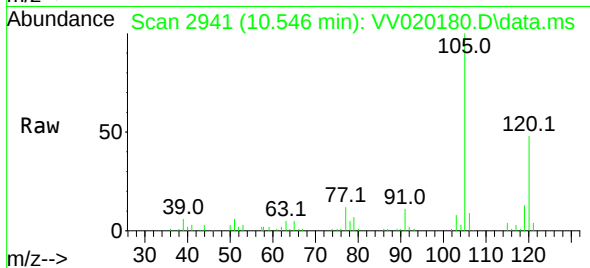
Tgt Ion:105 Resp: 44314
Ion Ratio Lower Upper
105 100
120 49.6 39.9 59.9

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

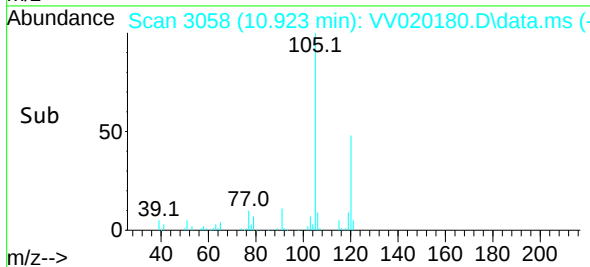
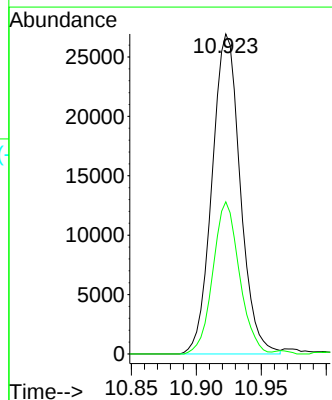
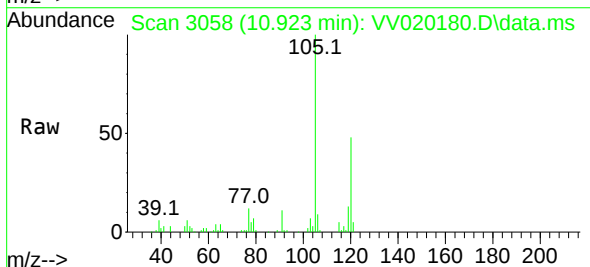
MMDadoda

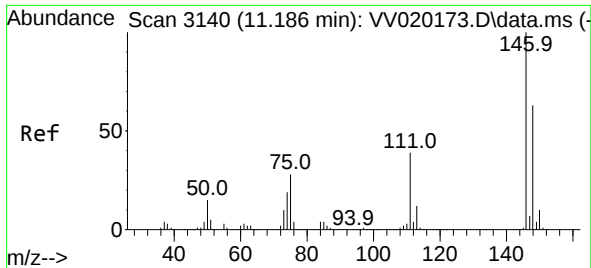
1/29/2021 11:58:07 AM



#63
1,2,4-Trimethylbenzene
Concen: 1.76 ug/L
RT: 10.923 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion:105 Resp: 40645
Ion Ratio Lower Upper
105 100
120 44.7 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 2.03 ug/L
RT: 11.193 min Scan# 3142
Delta R.T. 0.006 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

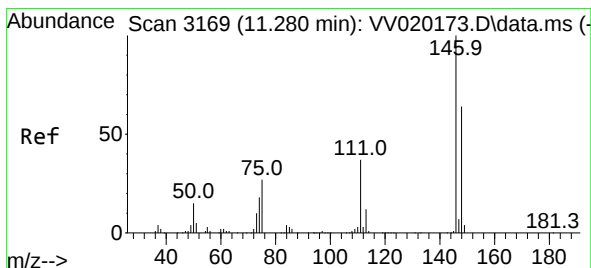
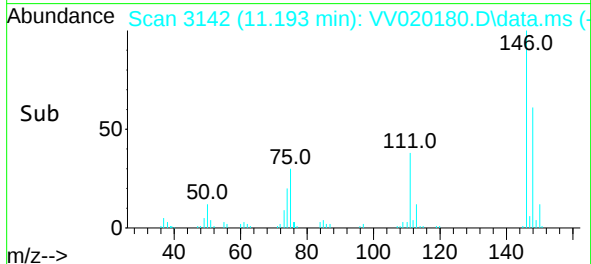
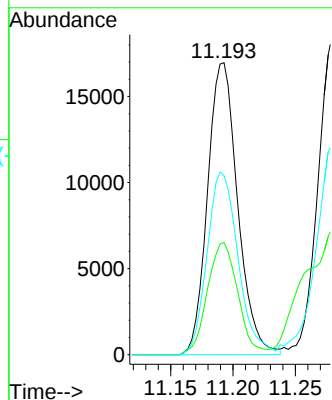
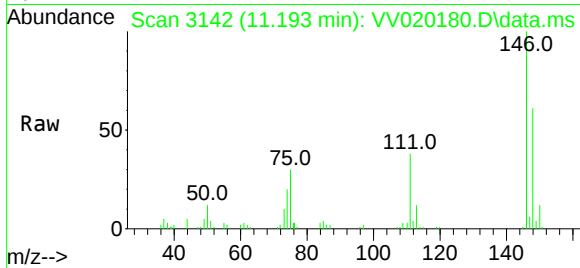
Tgt Ion:146 Resp: 28523
Ion Ratio Lower Upper
146 100
111 38.4 27.4 51.0
148 61.3 44.1 81.9

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

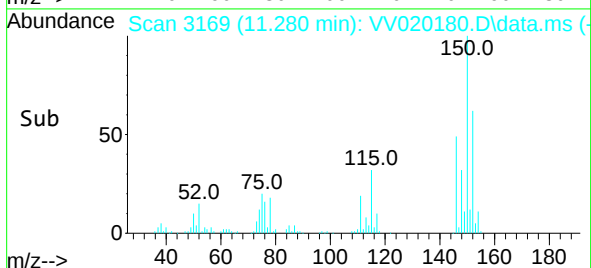
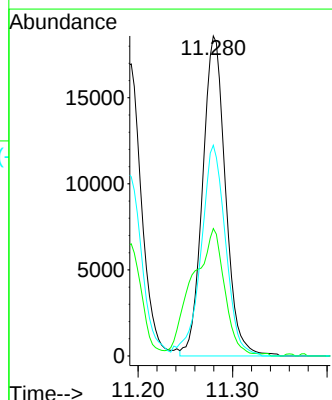
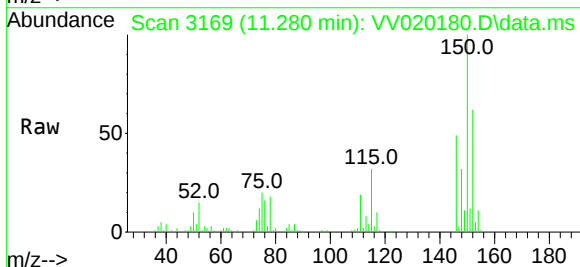
MMDadoda

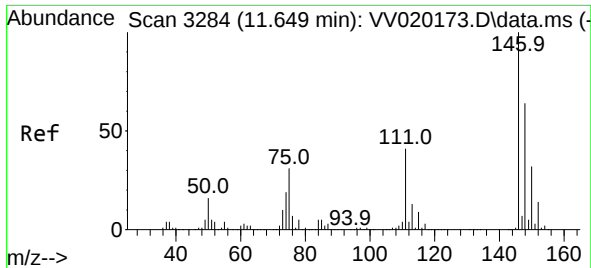
1/29/2021 11:58:07 AM



#65
1,4-Dichlorobenzene
Concen: 2.16 ug/L
RT: 11.280 min Scan# 3169
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion:146 Resp: 31277
Ion Ratio Lower Upper
146 100
111 39.8 26.1 48.5
148 65.8 44.6 82.8





#67
1,2-Dichlorobenzene
Concen: 2.17 ug/L
RT: 11.649 min Scan# 3284
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

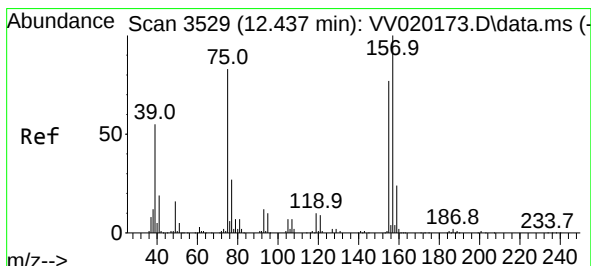
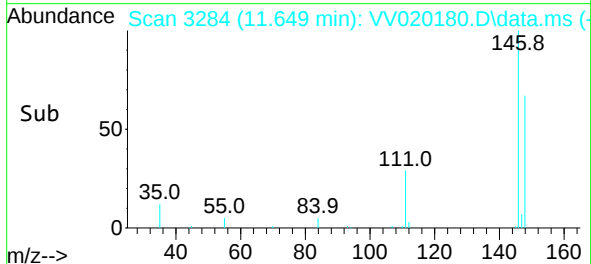
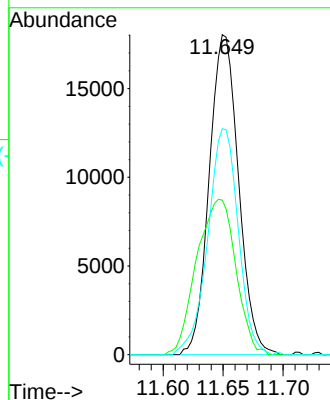
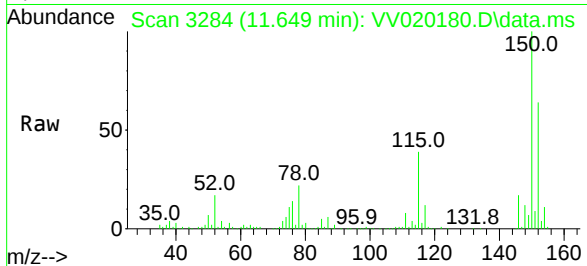
Tgt Ion:	146	Resp:	30653
Ion Ratio	Lower	Upper	
146	100		
111	48.3	32.4	48.6
148	70.6	51.0	76.4

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

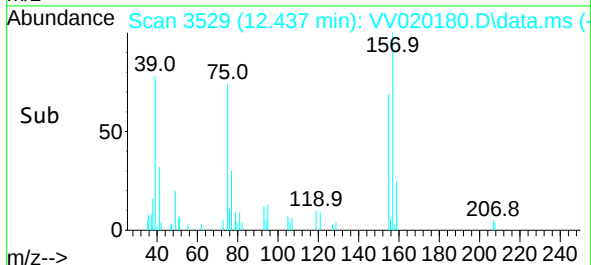
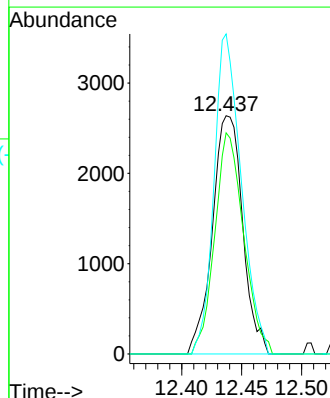
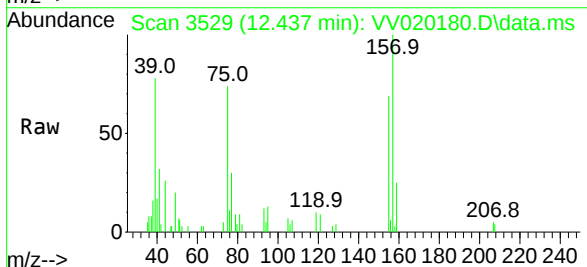
MMDadoda

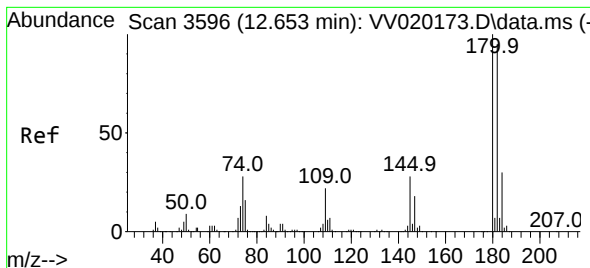
1/29/2021 11:58:07 AM



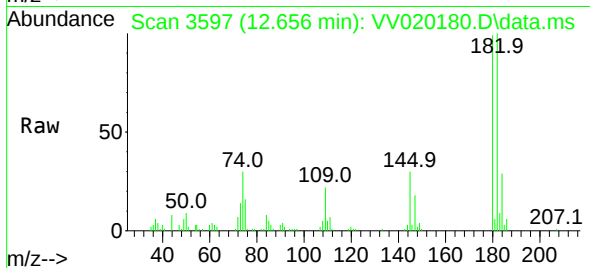
#68
1,2-Dibromo-3-chloropropane
Concen: 2.02 ug/L
RT: 12.437 min Scan# 3529
Delta R.T. -0.000 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41

Tgt Ion:	75	Resp:	4616
Ion Ratio	Lower	Upper	
75	100		
155	92.8	74.1	111.1
157	134.3	95.8	143.8

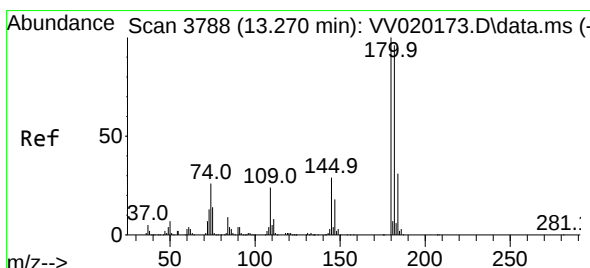
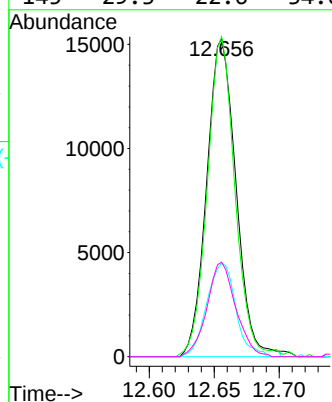
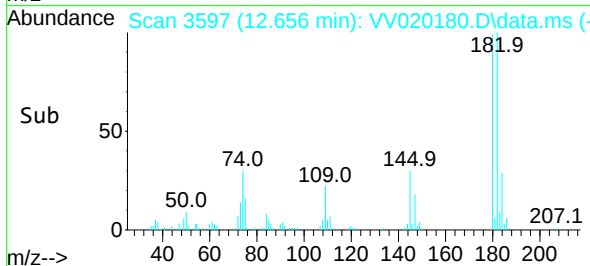




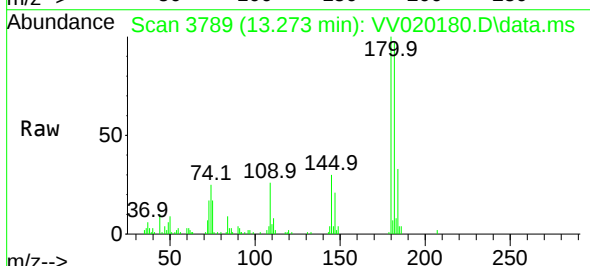
#69
1,3,5-Trichlorobenzene
Concen: 2.01 ug/L
RT: 12.656 min Scan# 3597
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



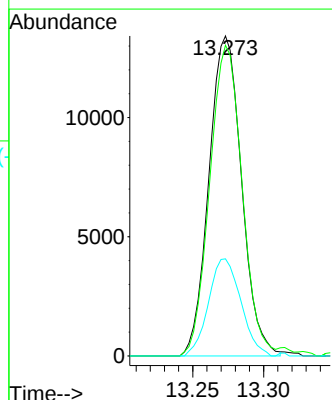
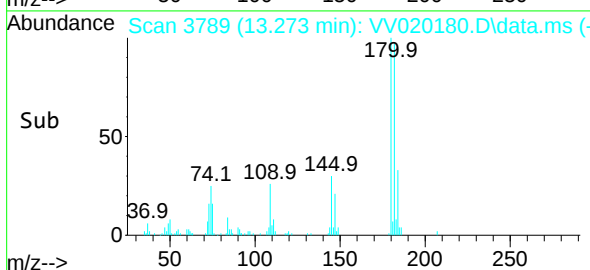
Tgt Ion:180 Resp: 23845
Ion Ratio Lower Upper
180 100
182 94.7 76.1 114.1
184 29.1 24.1 36.1
145 29.3 22.6 34.0



#70
1,2,4-trichlorobenzene
Concen: 1.96 ug/L
RT: 13.273 min Scan# 3789
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



Tgt Ion:180 Resp: 21472
Ion Ratio Lower Upper
180 100
182 96.1 77.1 115.7
145 30.1 23.4 35.2

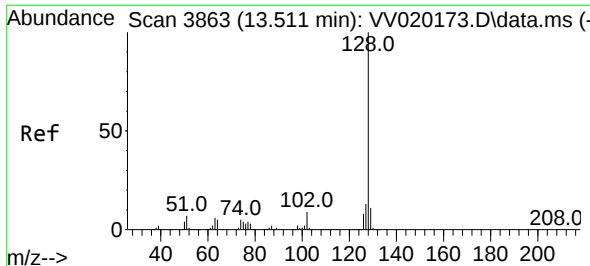


Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

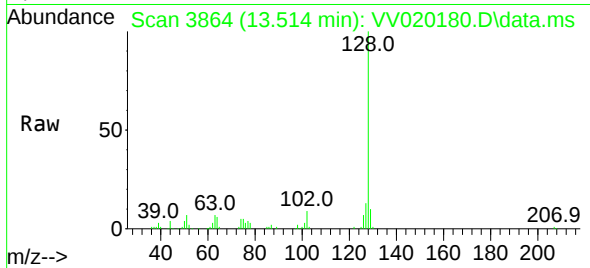
Manual Integrations
APPROVED

MMDadoda

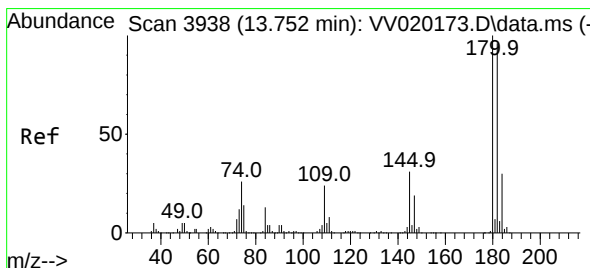
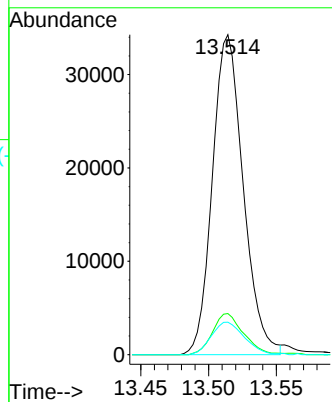
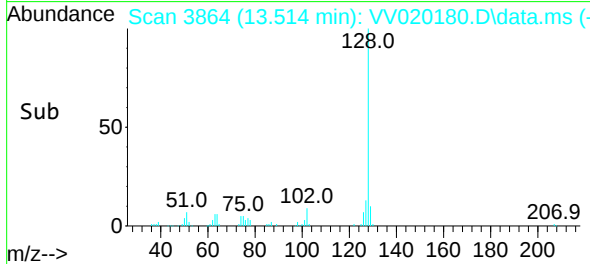
1/29/2021 11:58:07 AM



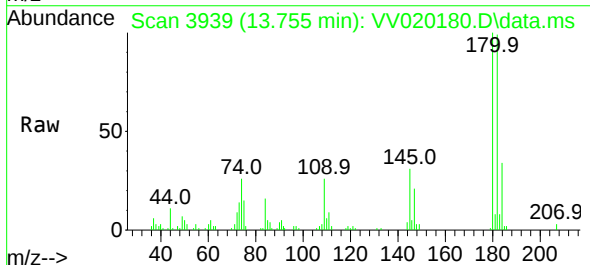
#71
Naphthalene
Concen: 1.76 ug/L
RT: 13.514 min Scan# 3864
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



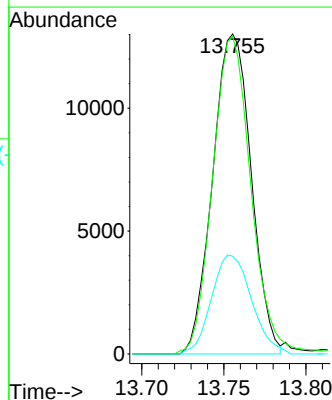
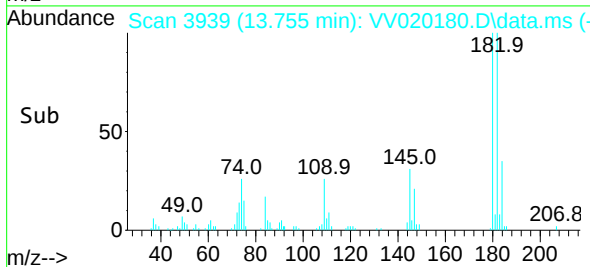
Tgt Ion:128 Resp: 54210
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.96 ug/L
RT: 13.755 min Scan# 3939
Delta R.T. 0.003 min
Lab File: VV020180.D
Acq: 26 Jan 2021 19:41



Tgt Ion:180 Resp: 21239
Ion Ratio Lower Upper
180 100
182 98.8 76.6 114.8
145 32.1 24.5 36.7



Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations
APPROVED

MMDadoda

1/29/2021 11:58:07 AM