

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011221\
 Data File : VU041971.D
 Acq On : 12 Jan 2021 16:08
 Operator : SY/MD
 Sample : L5214-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-01

Quant Time: Jan 13 06:04:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 13 05:59:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	266346	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	244393	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	107950	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	132608	45.39	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.78%		
7) Chloroethane-d5	1.916	69	106820	46.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.04%		
11) 1,1-Dichloroethene-d2	2.575	63	165547	34.91	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.82%		
21) 2-Butanone-d5	4.642	46	196250	88.63	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.63%		
24) Chloroform-d	5.076	84	202935	45.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.98%		
26) 1,2-Dichloroethane-d4	5.716	65	132434	47.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.42%		
32) Benzene-d6	5.739	84	393655	46.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.18%		
36) 1,2-Dichloropropane-d6	6.700	67	126650	46.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.86%		
41) Toluene-d8	7.903	98	359112	49.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.90%		
43) trans-1,3-Dichloroprop...	8.185	79	62241	46.22	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.44%		
47) 2-Hexanone-d5	8.639	63	132992	90.36	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.36%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	170543	43.23	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.46%		
66) 1,2-Dichlorobenzene-d4	12.189	152	121215	53.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.88%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6070	2.38	ug/L	96
3) Chloromethane	1.523	50	8241	2.77	ug/L	93
5) Vinyl chloride	1.607	62	7884	2.57	ug/L #	61
6) Bromomethane	1.861	94	4876	2.61	ug/L	95
8) Chloroethane	1.935	64	4385	2.34	ug/L	96
9) Trichlorofluoromethane	2.144	101	9522	2.49	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	5961	2.80	ug/L	97
12) 1,1-Dichloroethene	2.584	96	6201	3.05	ug/L #	1
13) Acetone	2.642	43	7815	4.17	ug/L	98
14) Carbon disulfide	2.803	76	15263	2.32	ug/L	98
15) Methyl Acetate	2.964	43	6465	2.20	ug/L	97
16) Methylene chloride	3.057	84	6753	2.86	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	2456	1.15	ug/L	93
18) Methyl tert-butyl Ether	3.379	73	16600	2.40	ug/L #	88
19) 1,1-Dichloroethane	3.887	63	9814	2.32	ug/L	93
20) cis-1,2-Dichloroethene	4.684	96	5848	2.54	ug/L	87
22) 2-Butanone	4.723	43	11289	4.59	ug/L	95
23) Bromochloromethane	4.996	128	2616	2.37	ug/L	79
25) Chloroform	5.102	83	10499	2.50	ug/L	99
27) 1,2-Dichloroethane	5.806	62	7799	2.42	ug/L #	90

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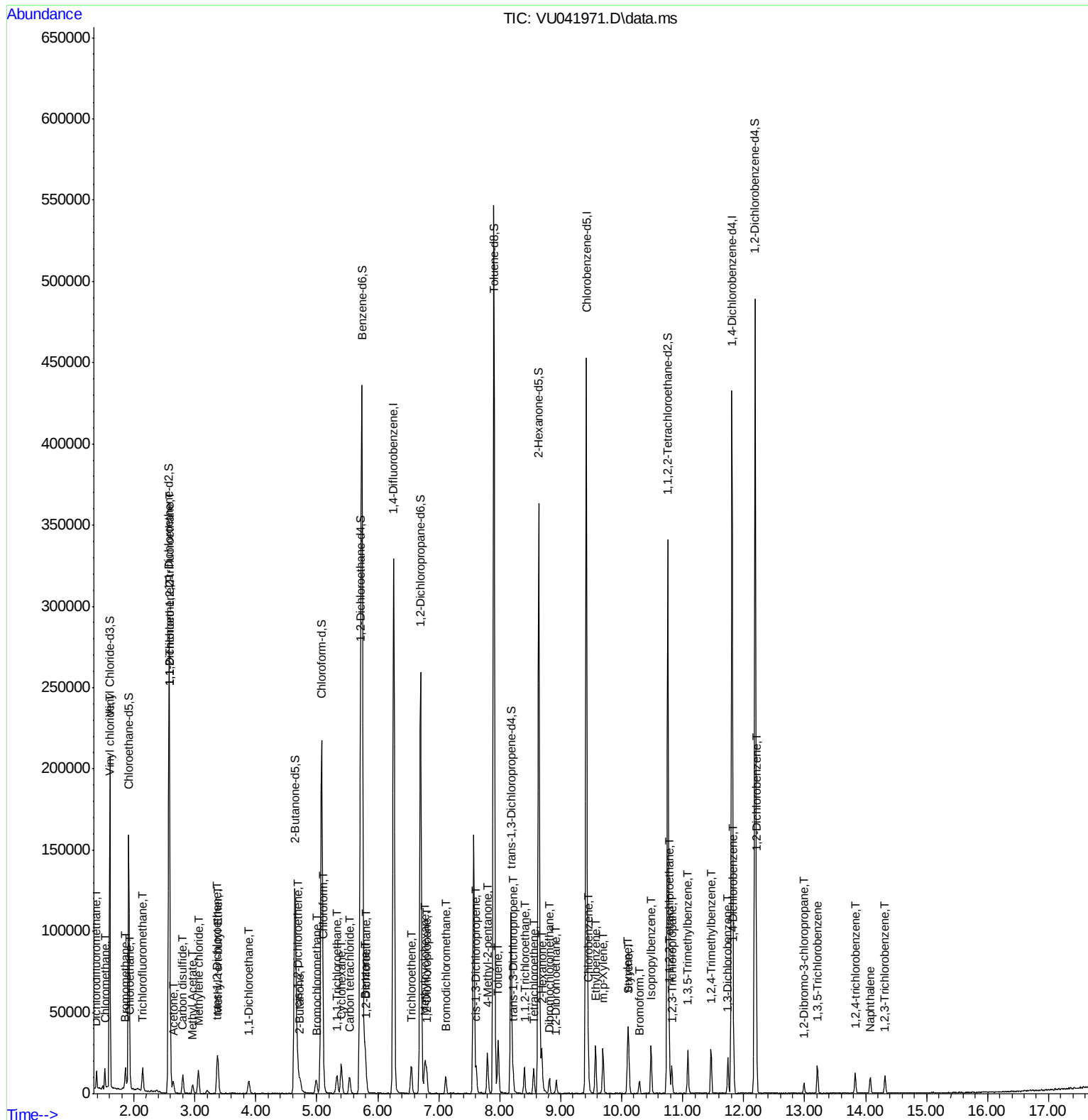
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.401	56	8635	2.35	ug/L	93
30) 1,1,1-Trichloroethane	5.333	97	8706	2.39	ug/L	96
31) Carbon tetrachloride	5.536	117	6892	2.27	ug/L	100
33) Benzene	5.787	78	21069	2.33	ug/L	100
34) Trichloroethene	6.552	95	5123	2.30	ug/L	97
35) Methylcyclohexane	6.774	83	7621	2.33	ug/L	92
37) 1,2-Dichloropropane	6.800	63	5382	2.26	ug/L #	89
38) Bromodichloromethane	7.115	83	7341	2.49	ug/L	100
39) cis-1,3-Dichloropropene	7.613	75	8839	2.53	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	17193	4.68	ug/L	99
42) Toluene	7.973	91	22372	2.59	ug/L	91
44) trans-1,3-Dichloropropene	8.218	75	8146	2.43	ug/L	96
45) 1,1,2-Trichloroethane	8.407	97	5282	2.55	ug/L	91
46) Tetrachloroethene	8.555	164	3144	2.25	ug/L	97
48) 2-Hexanone	8.690	43	15285	5.02	ug/L	94
49) Dibromochloromethane	8.816	129	5113	2.31	ug/L	96
50) 1,2-Dibromoethane	8.925	107	5156	2.37	ug/L #	91
51) Chlorobenzene	9.449	112	13442	2.54	ug/L	97
52) Ethylbenzene	9.571	91	20124	2.19	ug/L	99
53) m,p-Xylene	9.693	106	7368	2.21	ug/L	97
54) o-xylene	10.099	106	7078	2.20	ug/L	95
55) Styrene	10.115	104	12321	2.17	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	9272	2.41	ug/L #	97
59) Bromoform	10.291	173	3775	2.69	ug/L #	95
60) 1,2,3-Trichloropropane	10.825	75	7094	2.51	ug/L	99
61) Isopropylbenzene	10.481	105	18838	2.49	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	14185	2.21	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	14371	2.24	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	8730	2.52	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	8488	2.45	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	10086	2.85	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	1985	2.22	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.211	180	5472	2.34	ug/L	97
70) 1,2,4-trichlorobenzene	13.832	180	3836	2.13	ug/L	96
71) Naphthalene	14.076	128	8790	1.42	ug/L	95
72) 1,2,3-Trichlorobenzene	14.317	180	3622	1.96	ug/L	92

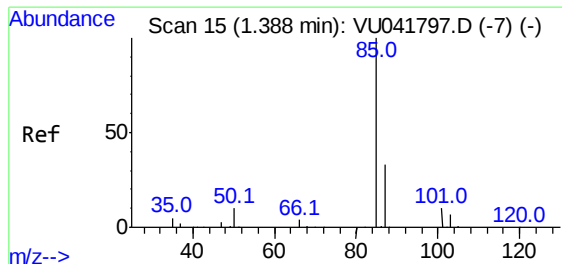
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#2

Dichlorodifluoromethane

Concen: 2.38 ug/L

RT: 1.385 min Scan# 14

Delta R.T. -0.003 min

Lab File: VU041971.D

Acq: 12 Jan 2021 16:08

Tgt Ion: 85 Resp: 6070

Ion Ratio Lower Upper

85 100

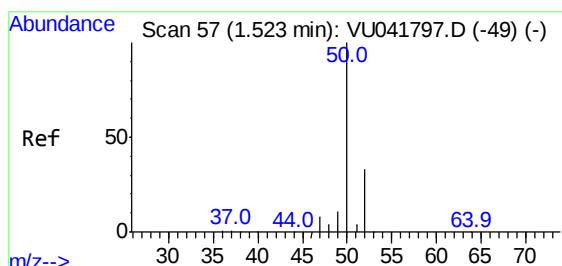
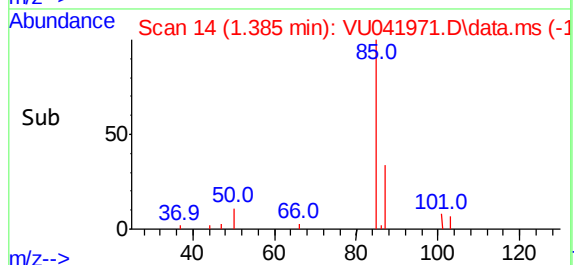
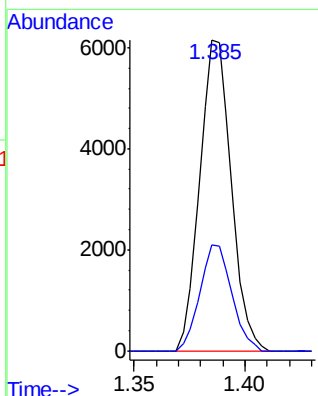
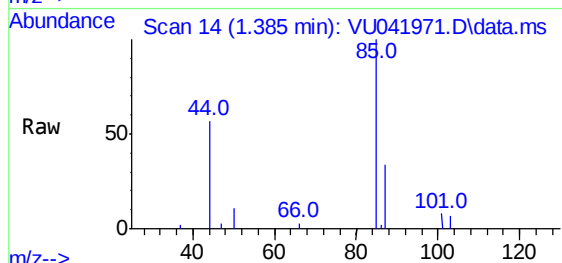
87 34.5 25.8 38.6

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2021-01



#3

Chloromethane

Concen: 2.77 ug/L

RT: 1.523 min Scan# 57

Delta R.T. -0.000 min

Lab File: VU041971.D

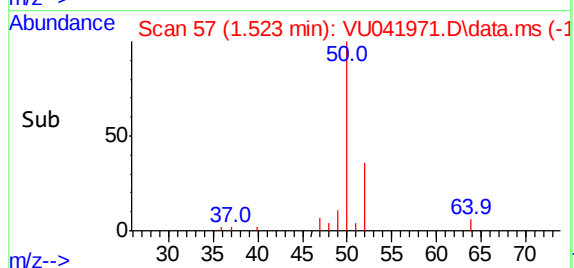
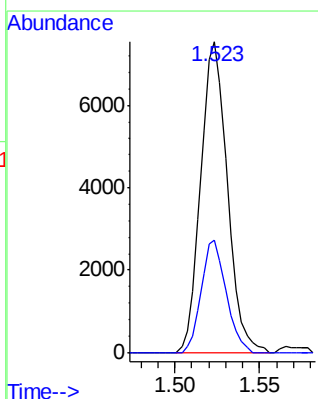
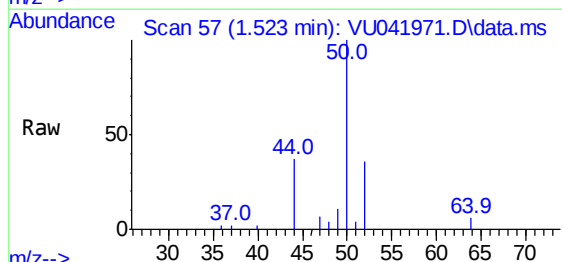
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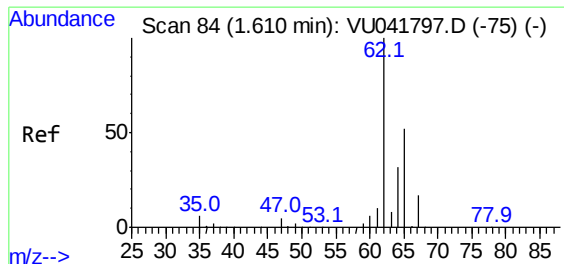
Tgt Ion: 50 Resp: 8241

Ion Ratio Lower Upper

50 100

52 36.2 22.5 41.9

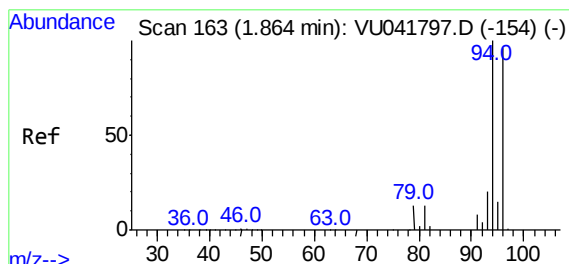
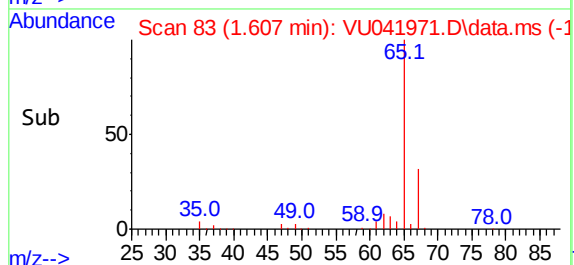
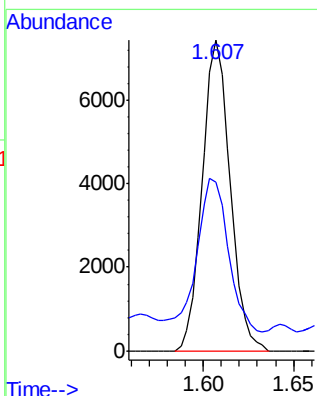
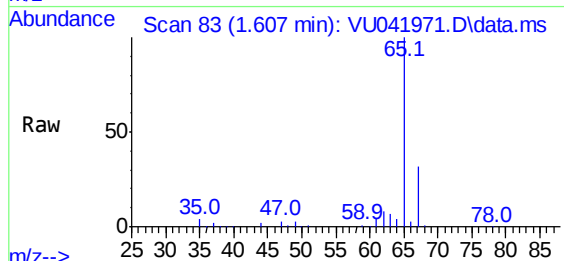




#5
 Vinyl chloride
 Concen: 2.57 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

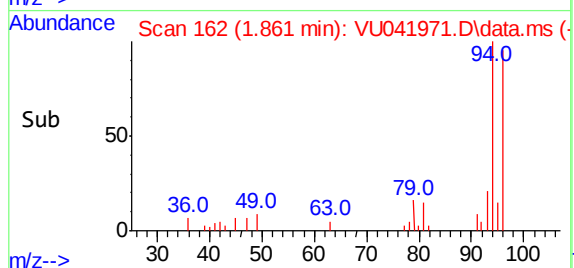
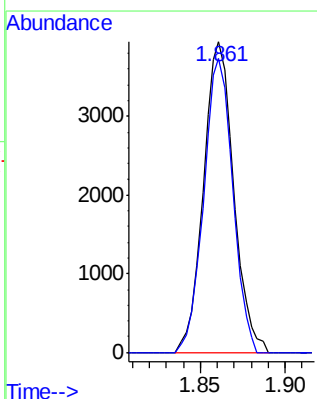
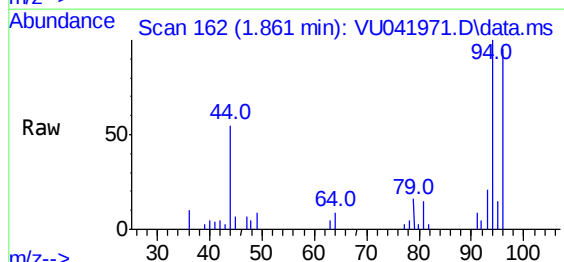
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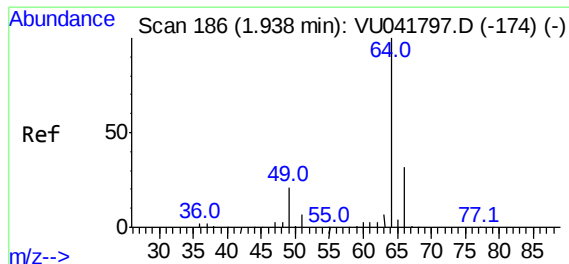
Tgt Ion: 62 Resp: 7884
 Ion Ratio Lower Upper
 62 100
 64 54.4 22.9 42.5#



#6
 Bromomethane
 Concen: 2.61 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

Tgt Ion: 94 Resp: 4876
 Ion Ratio Lower Upper
 94 100
 96 94.7 62.8 116.6

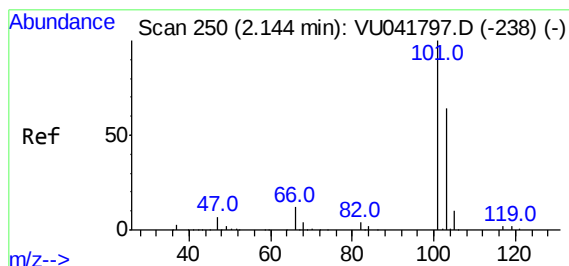
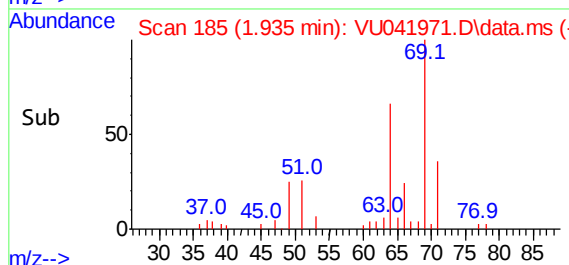
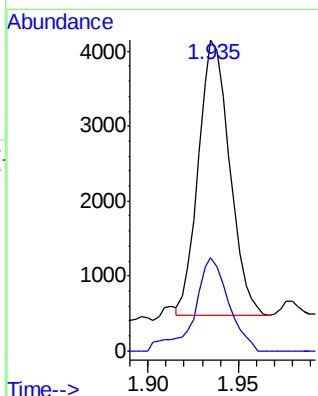
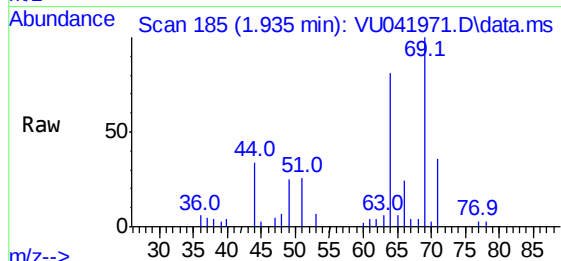




#8
Chloroethane
Concen: 2.34 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

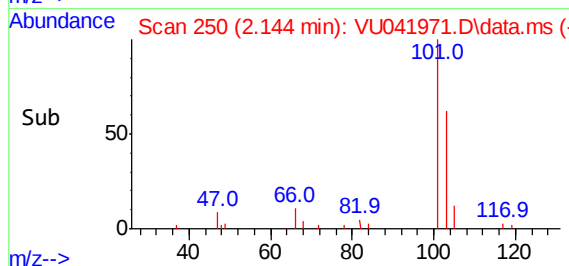
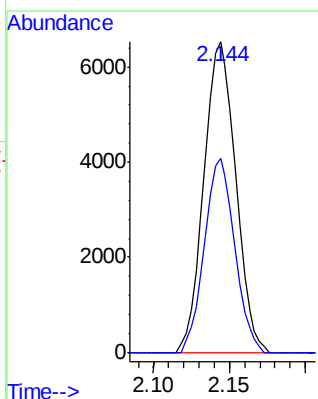
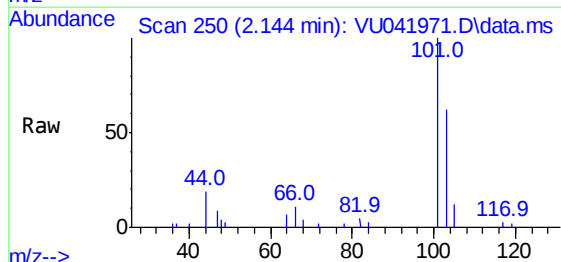
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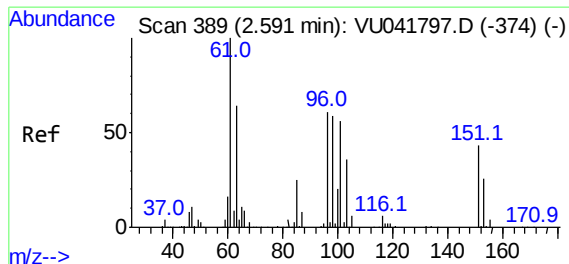
Tgt Ion: 64 Resp: 4385
Ion Ratio Lower Upper
64 100
66 29.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 2.49 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 101 Resp: 9522
Ion Ratio Lower Upper
101 100
103 59.4 51.4 77.2

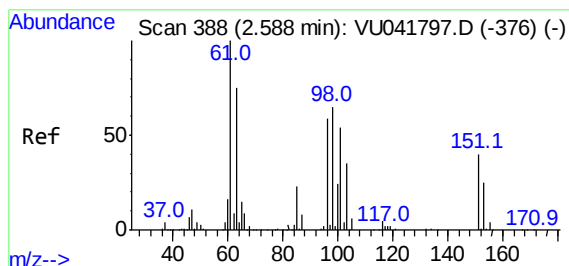
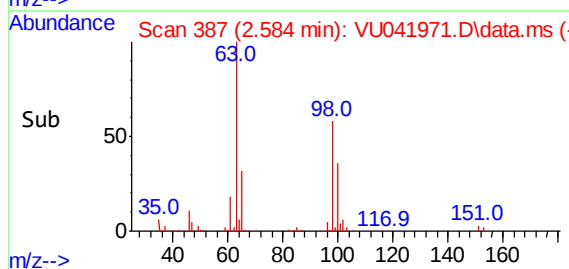
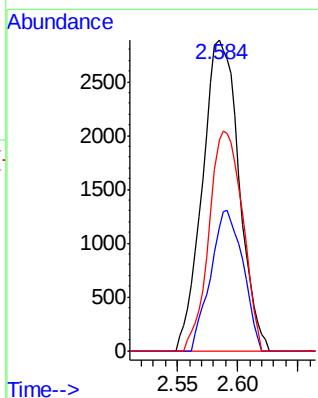
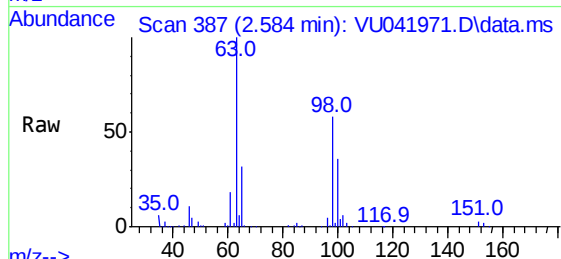




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.80 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.006 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

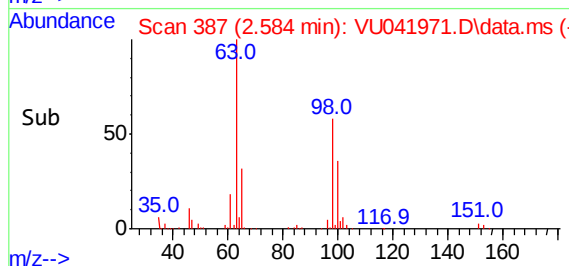
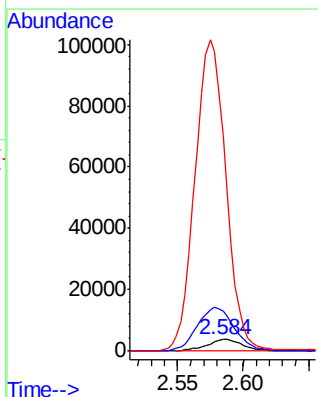
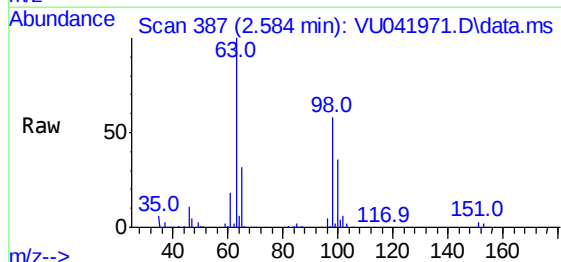
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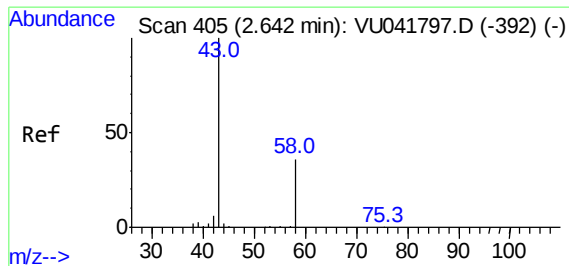
Tgt Ion:	101	Resp:	5961
Ion	Ratio	Lower	Upper
101	100		
85	40.1	35.0	52.4
151	64.8	52.6	79.0



#12
 1,1-Dichloroethene
 Concen: 3.05 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

Tgt Ion:	96	Resp:	6201
Ion	Ratio	Lower	Upper
96	100		
61	350.5	127.8	237.4#
63	1938.8	91.2	169.4#

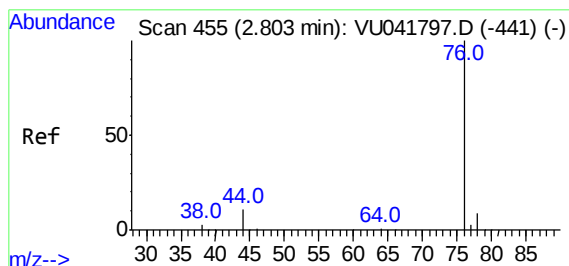
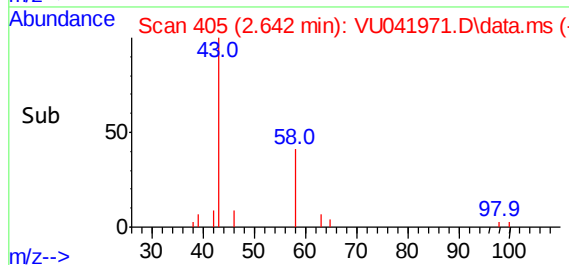
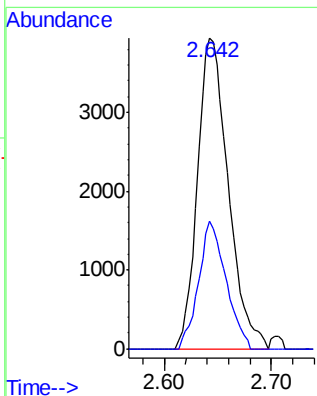
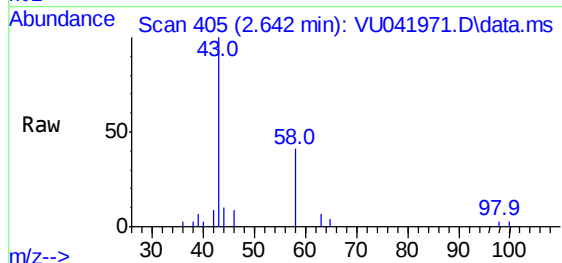




#13
Acetone
Concen: 4.17 ug/L
RT: 2.642 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

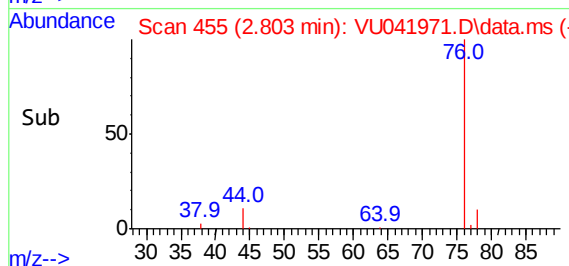
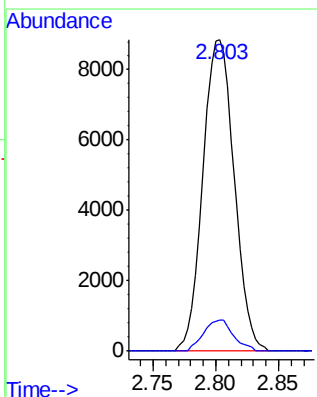
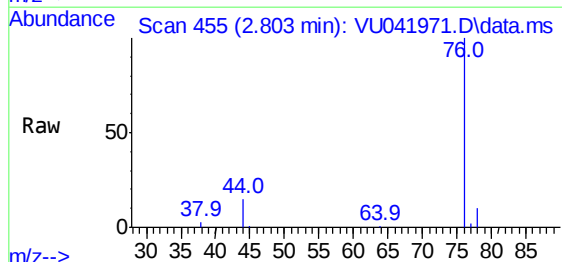
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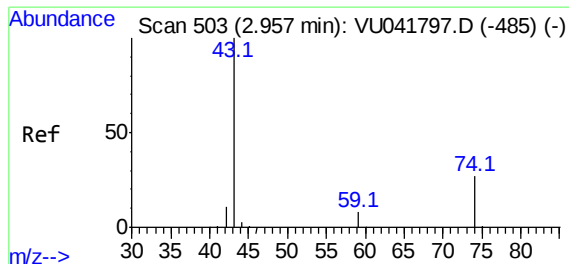
Tgt Ion: 43 Resp: 7815
Ion Ratio Lower Upper
43 100
58 36.4 0.0 70.0



#14
Carbon disulfide
Concen: 2.32 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 76 Resp: 15263
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

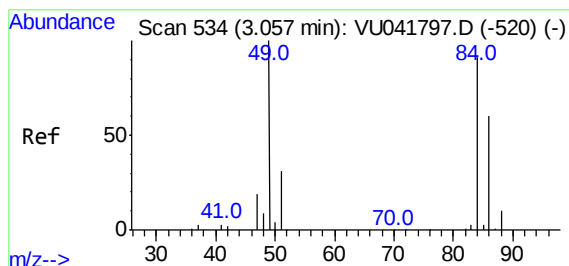
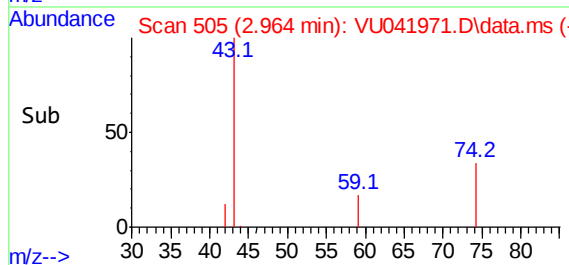
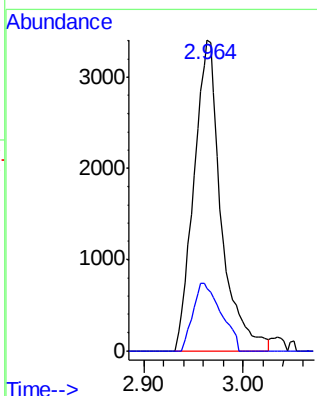
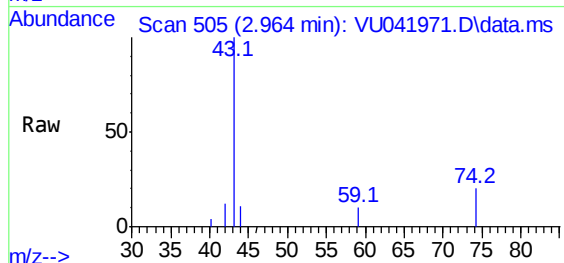




#15
Methyl Acetate
Concen: 2.20 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

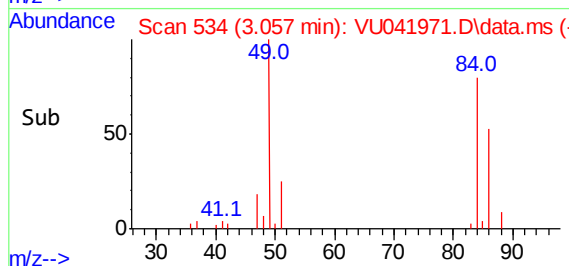
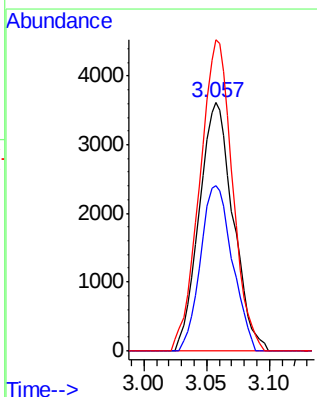
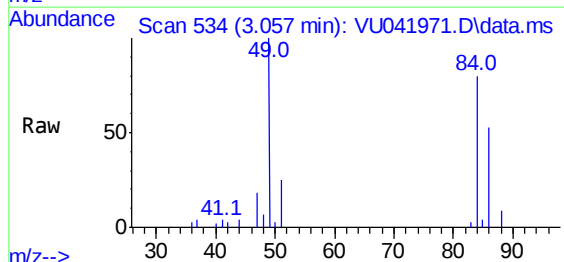
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

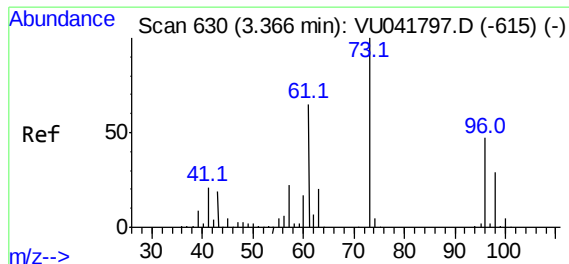
Tgt Ion: 43 Resp: 6465
Ion Ratio Lower Upper
43 100
74 22.4 19.3 28.9



#16
Methylene chloride
Concen: 2.86 ug/L
RT: 3.057 min Scan# 534
Delta R.T. -0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 84 Resp: 6753
Ion Ratio Lower Upper
84 100
86 66.7 45.6 84.6
49 125.4 86.0 159.6

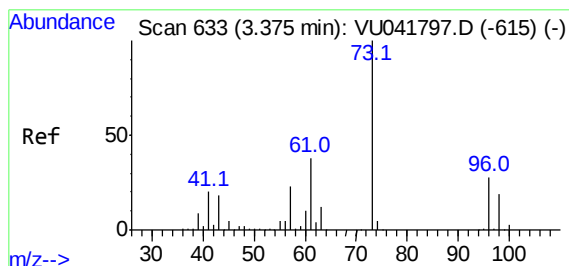
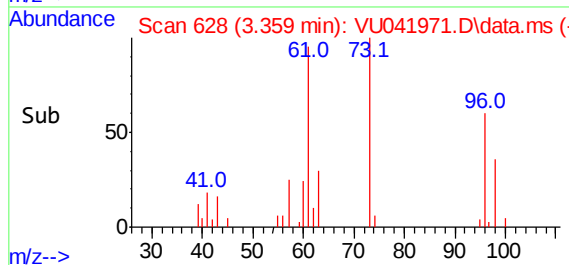
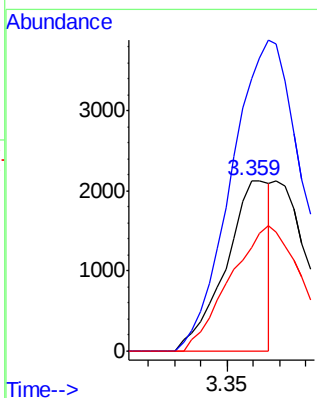
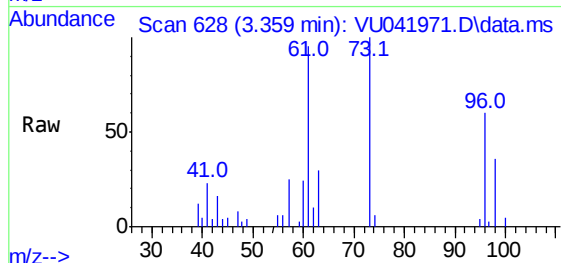




#17
trans-1,2-Dichloroethene
Concen: 1.15 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

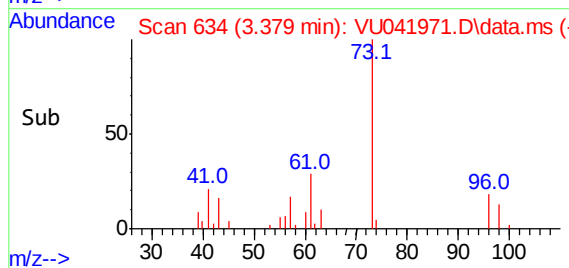
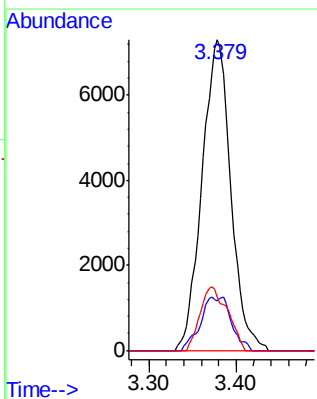
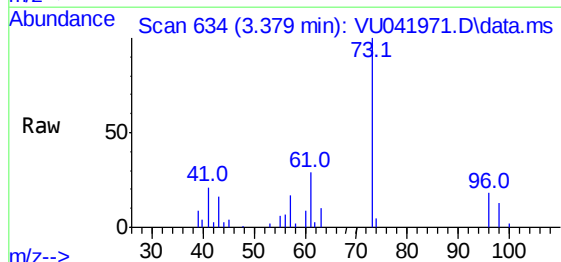
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

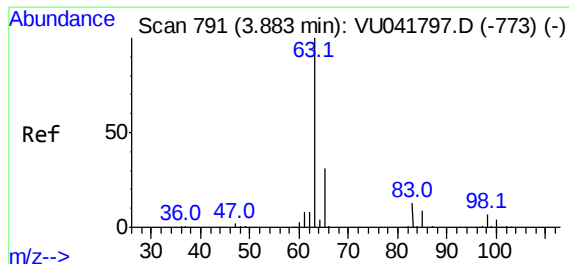
Tgt Ion: 96 Resp: 2456
Ion Ratio Lower Upper
96 100
61 159.9 105.3 195.6
98 60.6 45.3 84.1



#18
Methyl tert-butyl Ether
Concen: 2.40 ug/L
RT: 3.379 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 73 Resp: 16600
Ion Ratio Lower Upper
73 100
43 10.5 15.0 22.4#
57 19.5 18.1 27.1



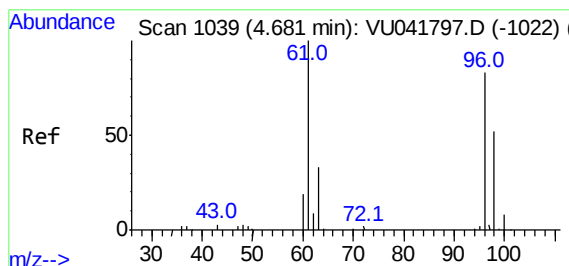
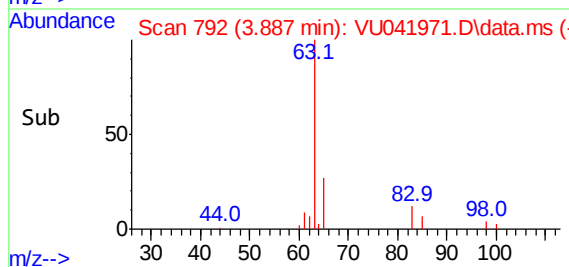
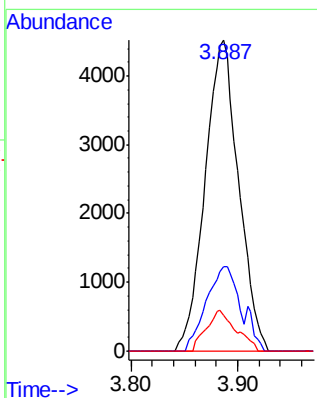
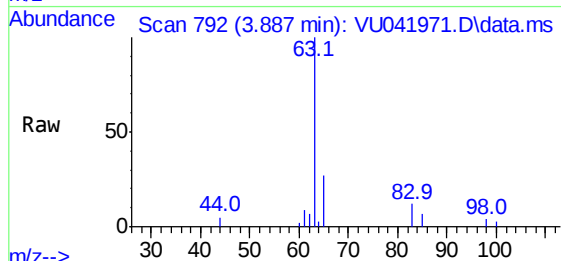


#19
1,1-Dichloroethane
Concen: 2.32 ug/L
RT: 3.887 min Scan# 792
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion: 63 Resp: 9814

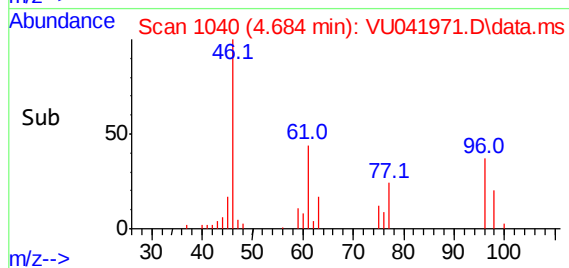
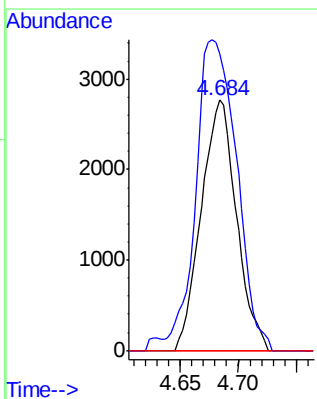
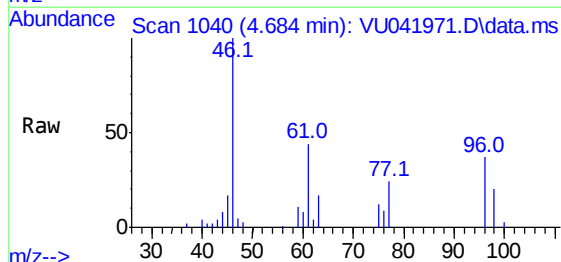
Ion	Ratio	Lower	Upper
63	100		
65	27.1	21.8	40.6
83	11.5	9.4	17.4

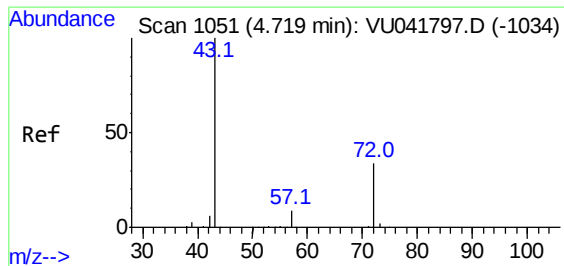


#20
cis-1,2-Dichloroethene
Concen: 2.54 ug/L
RT: 4.684 min Scan# 1040
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 96 Resp: 5848

Ion	Ratio	Lower	Upper
96	100		
61	118.3	93.9	174.5
68	0.0	0.0	0.0

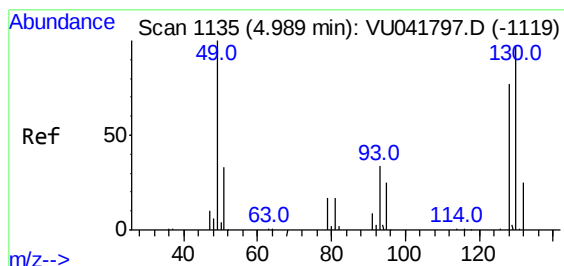
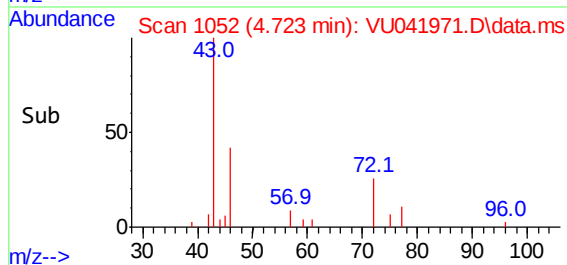
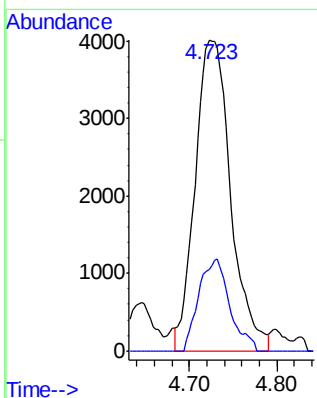
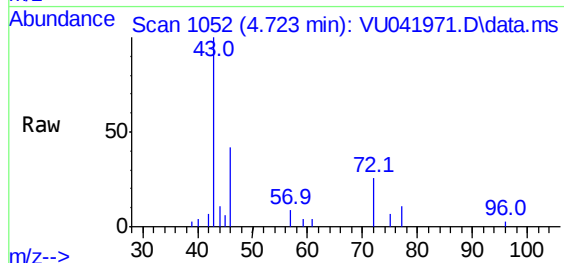




#22
2-Butanone
Concen: 4.59 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. -0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

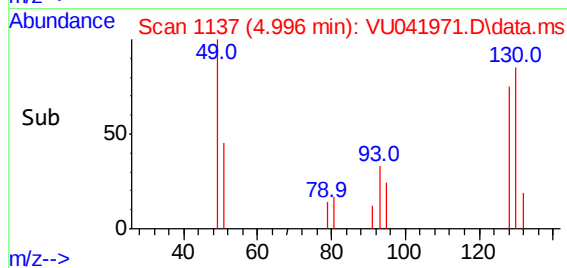
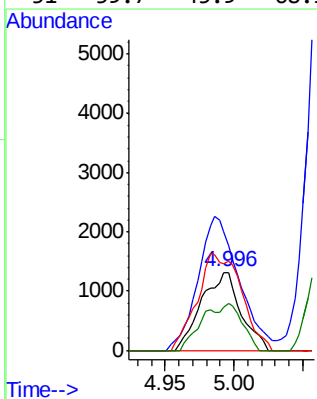
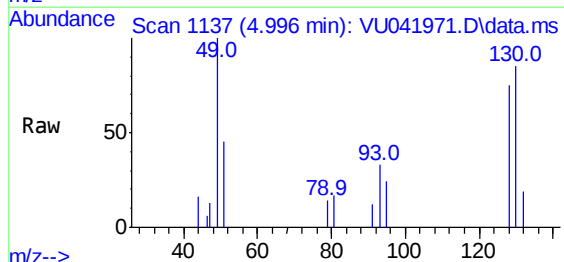
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

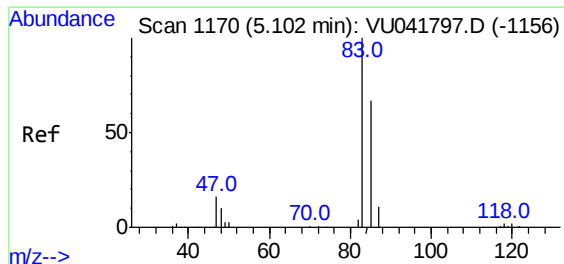
Tgt Ion: 43 Resp: 11289
Ion Ratio Lower Upper
43 100
72 24.5 13.6 40.8



#23
Bromochloromethane
Concen: 2.37 ug/L
RT: 4.996 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:128 Resp: 2616
Ion Ratio Lower Upper
128 100
49 133.8 124.9 232.1
130 114.2 91.1 169.3
51 59.7 45.9 68.9

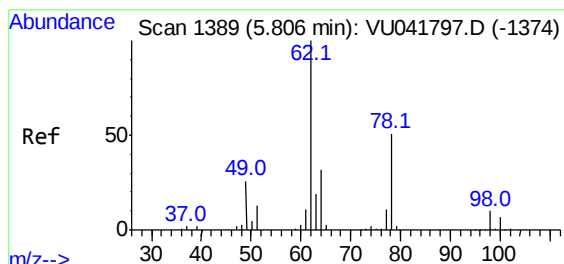
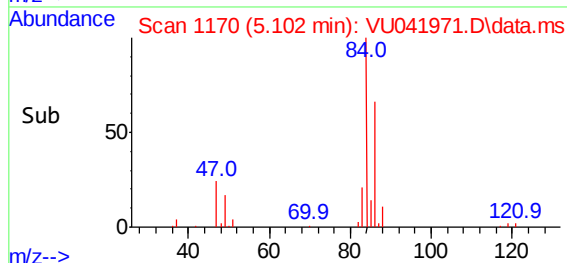
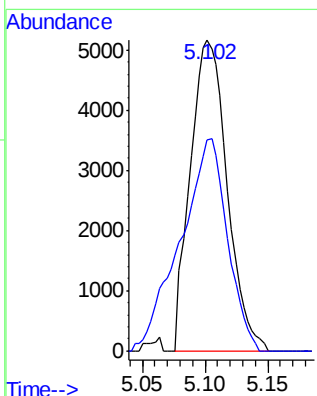
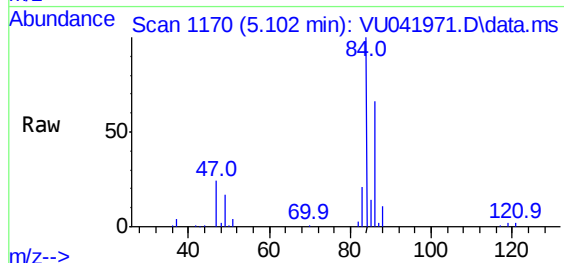




#25
Chloroform
Concen: 2.50 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

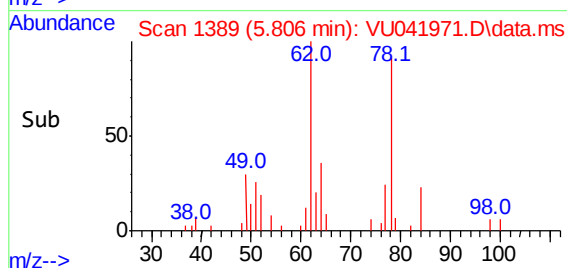
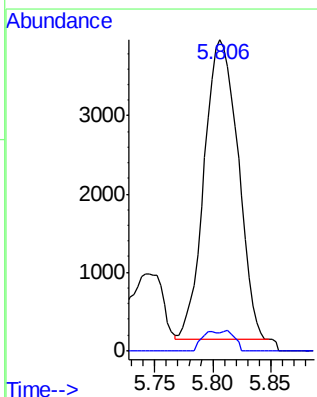
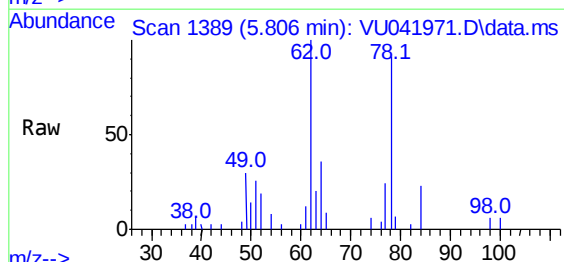
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

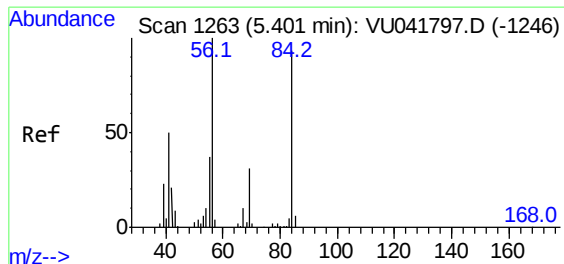
Tgt Ion: 83 Resp: 10499
Ion Ratio Lower Upper
83 100
85 67.8 46.9 87.1



#27
1,2-Dichloroethane
Concen: 2.42 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 62 Resp: 7799
Ion Ratio Lower Upper
62 100
98 5.5 7.3 10.9#



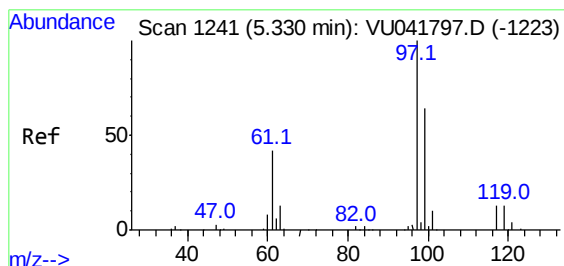
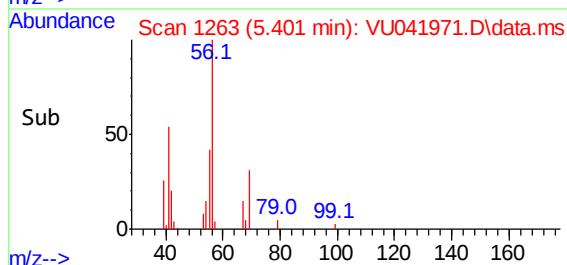
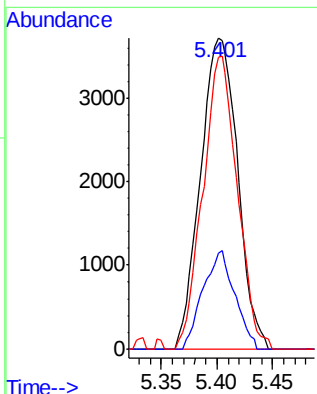
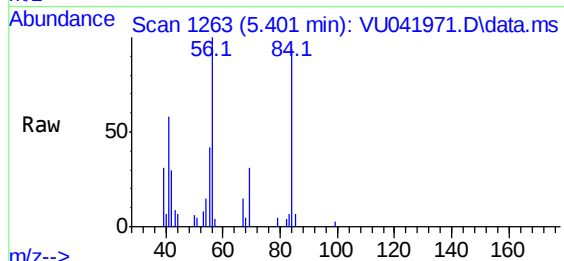


#29
Cyclohexane
Concen: 2.35 ug/L
RT: 5.401 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion: 56 Resp: 8635

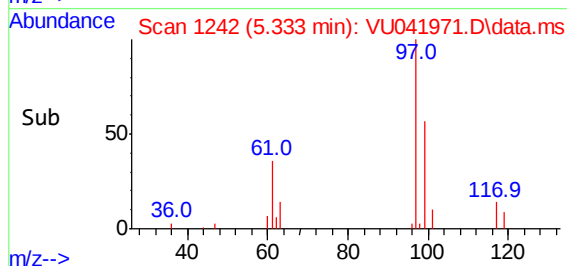
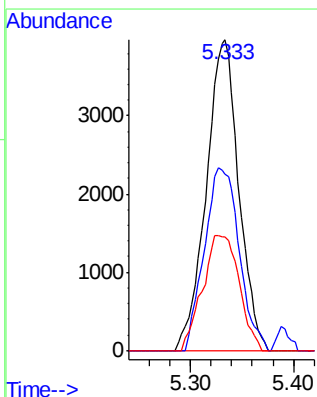
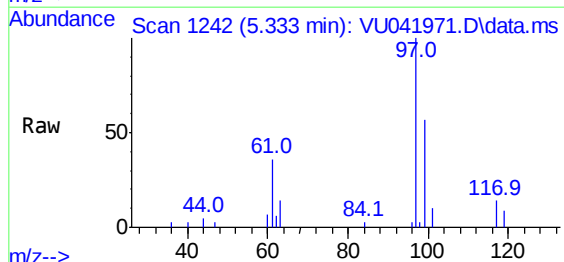
Ion	Ratio	Lower	Upper
56	100		
69	27.1	23.4	35.0
84	87.0	64.3	96.5

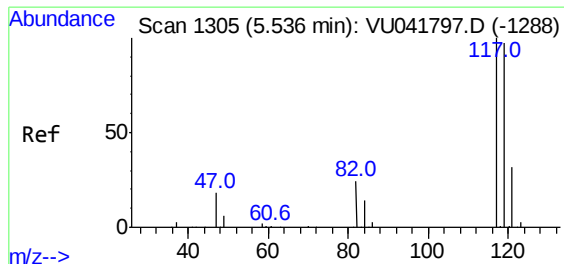


#30
1,1,1-Trichloroethane
Concen: 2.39 ug/L
RT: 5.333 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 97 Resp: 8706

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	41.5	37.1	55.7

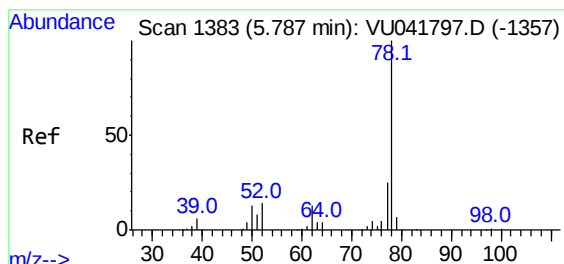
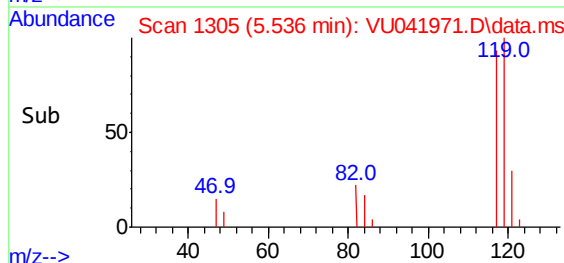
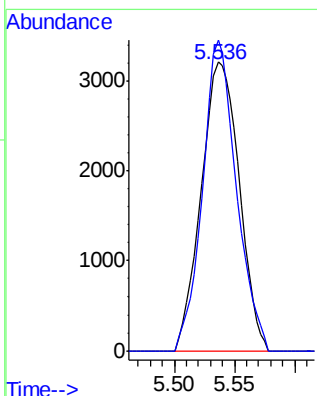
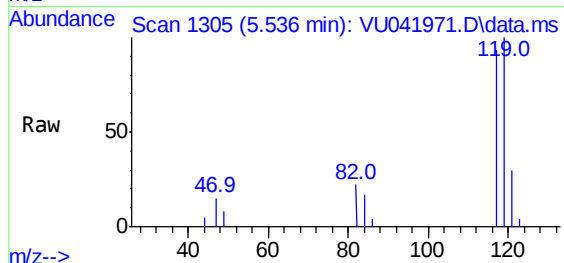




#31
Carbon tetrachloride
Concen: 2.27 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

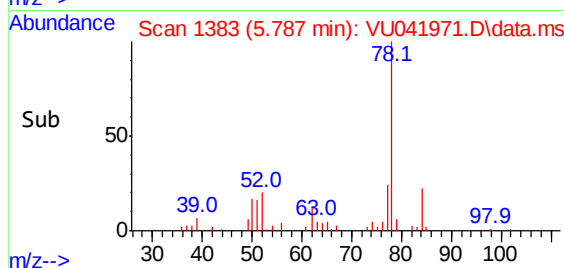
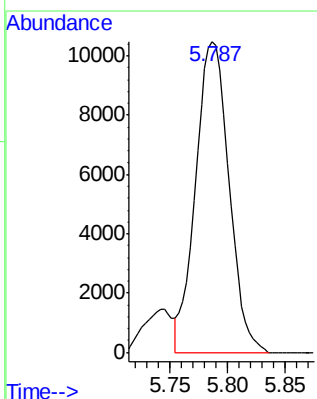
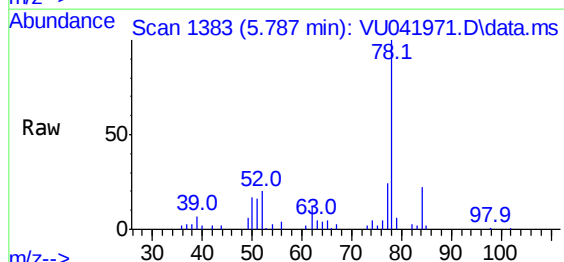
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

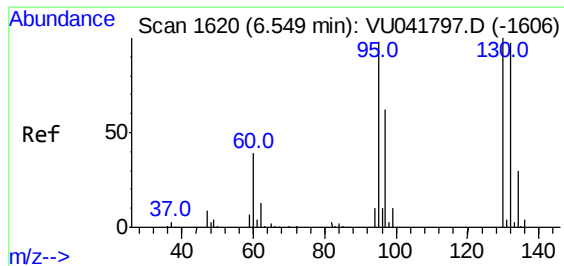
Tgt Ion:117 Resp: 6892
Ion Ratio Lower Upper
117 100
119 95.3 76.5 114.7



#33
Benzene
Concen: 2.33 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 78 Resp: 21069



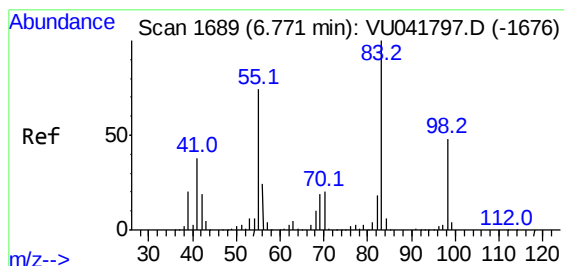
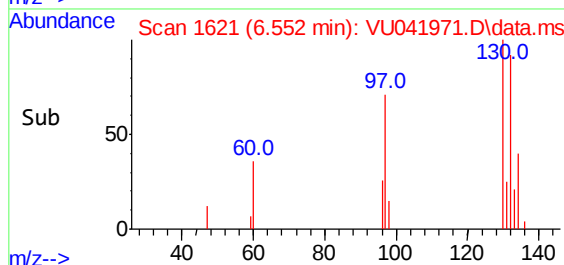
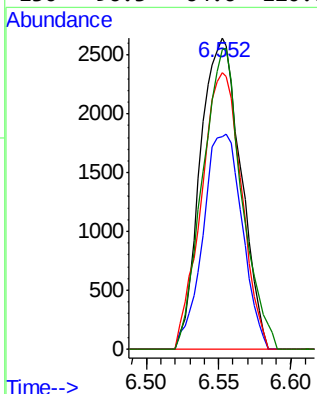
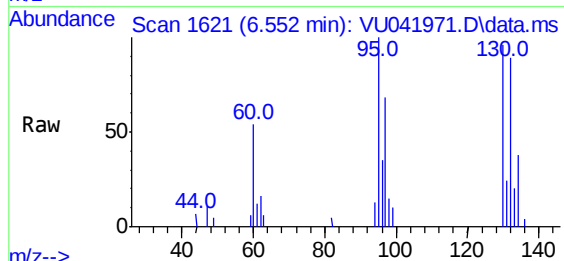


#34
Trichloroethene
Concen: 2.30 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion: 95 Resp: 5123

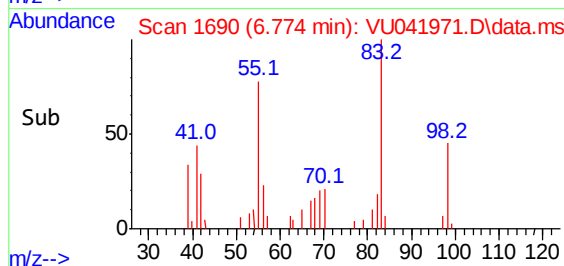
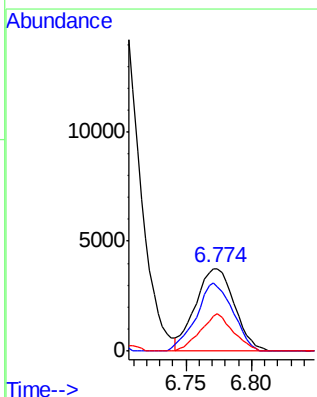
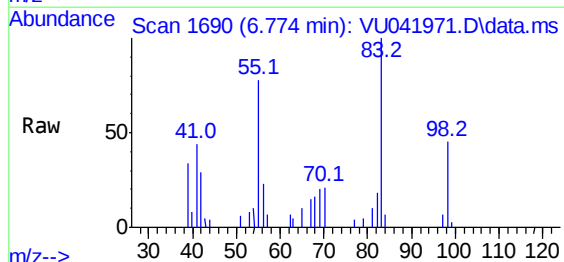
Ion	Ratio	Lower	Upper
95	100		
97	68.4	46.1	85.7
132	88.9	63.5	117.9
130	96.3	64.6	120.0

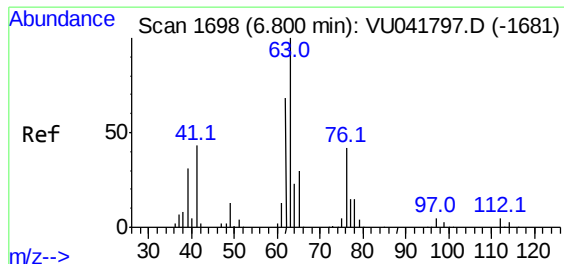


#35
Methylcyclohexane
Concen: 2.33 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 83 Resp: 7621

Ion	Ratio	Lower	Upper
83	100		
55	77.3	65.8	98.8
98	37.2	36.9	55.3

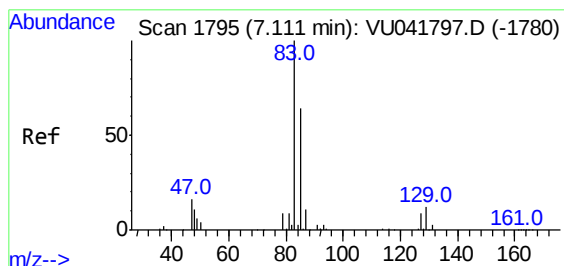
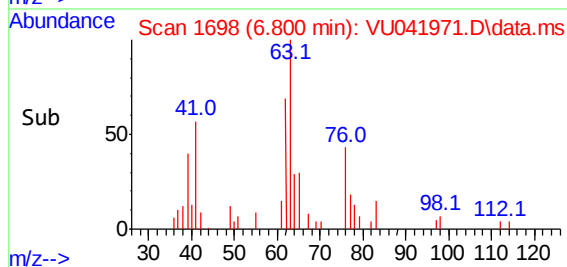
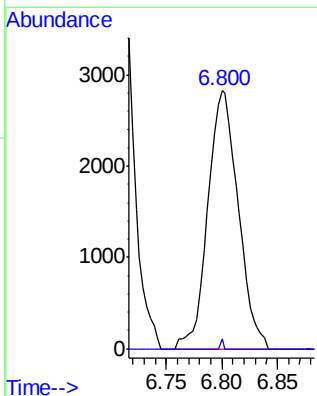
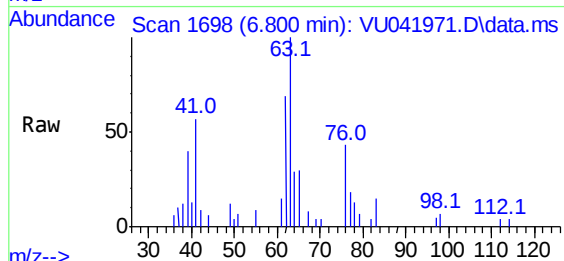




#37
1,2-Dichloropropane
Concen: 2.26 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

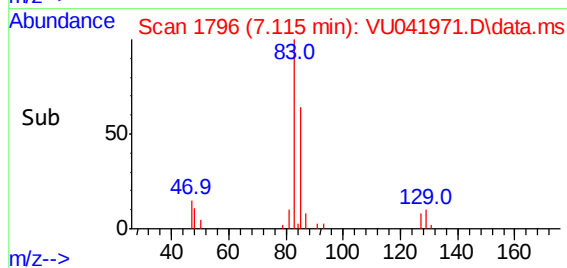
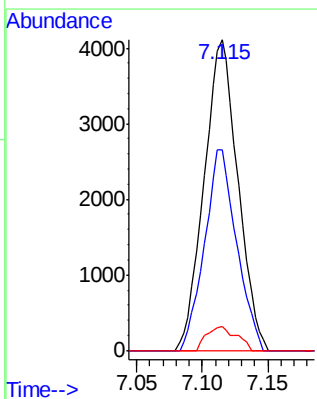
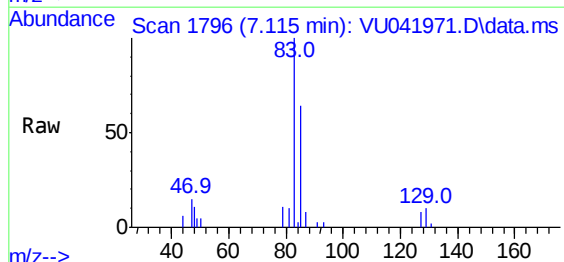
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

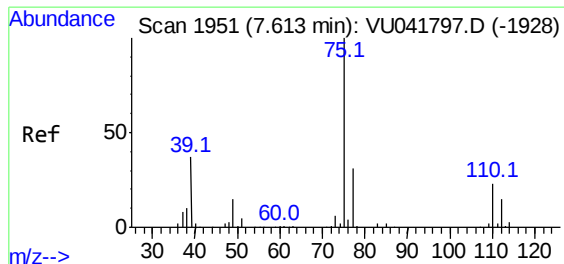
Tgt Ion: 63 Resp: 5382
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#38
Bromodichloromethane
Concen: 2.49 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 83 Resp: 7341
Ion Ratio Lower Upper
83 100
85 64.4 45.3 84.1
127 7.7 6.6 9.8

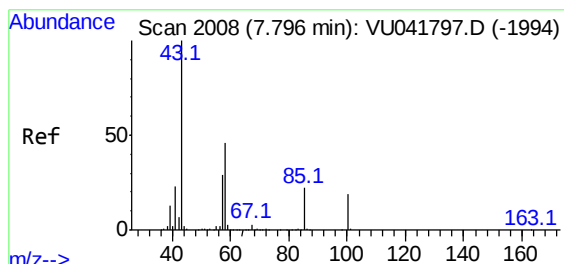
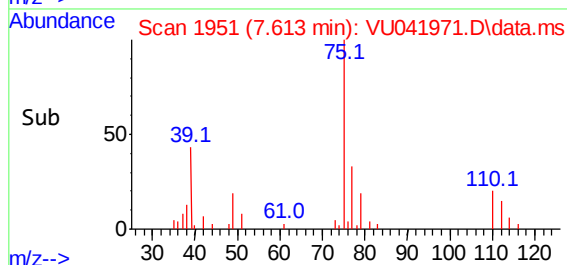
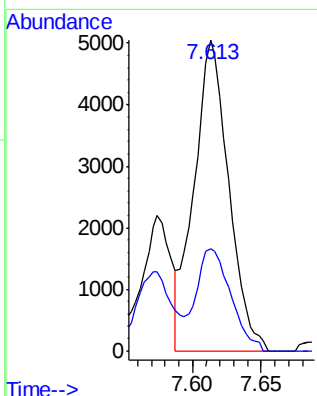
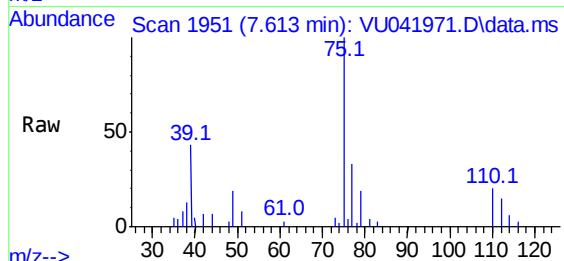




#39
 cis-1,3-Dichloropropene
 Concen: 2.53 ug/L
 RT: 7.613 min Scan# 1951
 Delta R.T. 0.003 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

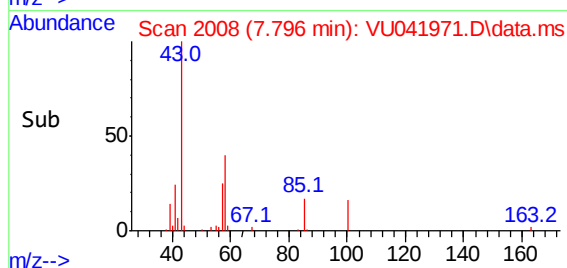
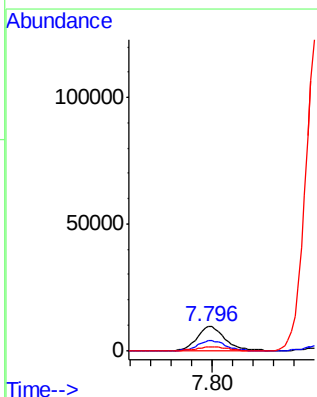
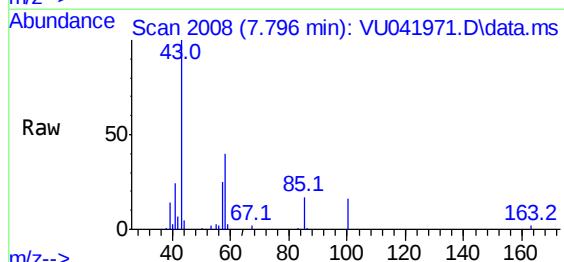
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-01

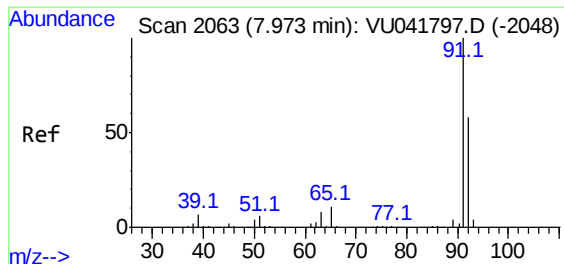
Tgt Ion: 75 Resp: 8839
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 4.68 ug/L
 RT: 7.796 min Scan# 2008
 Delta R.T. 0.000 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

Tgt Ion: 43 Resp: 17193
 Ion Ratio Lower Upper
 43 100
 58 41.0 33.4 50.0
 100 15.4 12.0 18.0

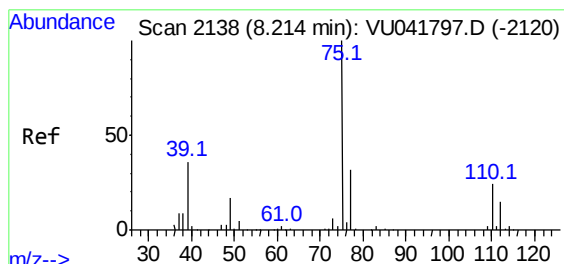
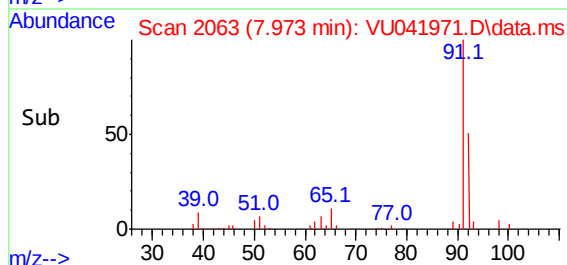
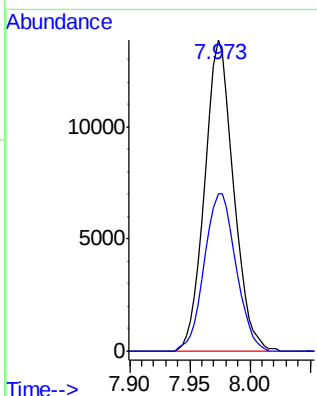
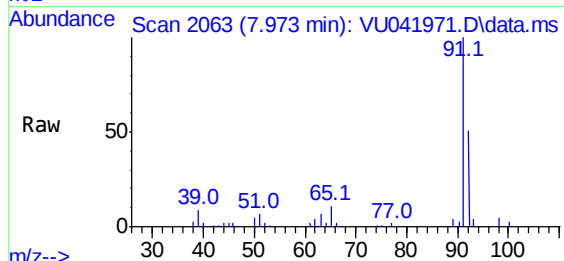




#42
Toluene
Concen: 2.59 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

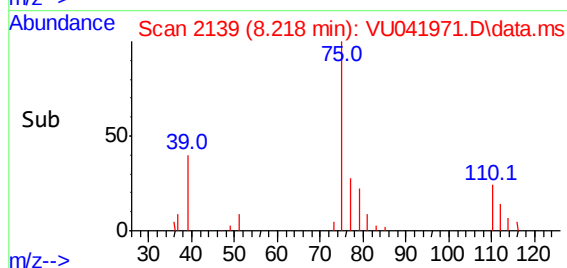
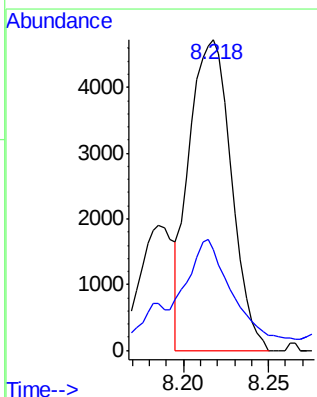
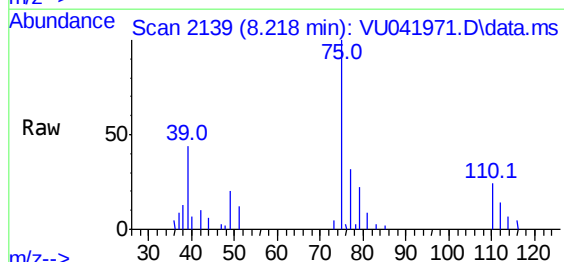
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

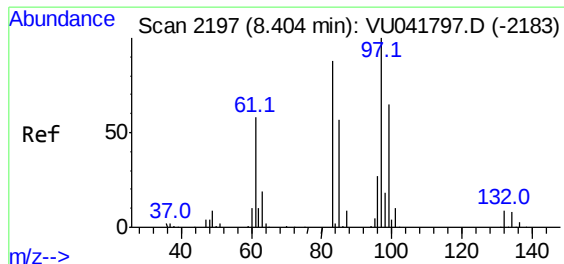
Tgt Ion: 91 Resp: 22372
Ion Ratio Lower Upper
91 100
92 50.7 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 2.43 ug/L
RT: 8.218 min Scan# 2139
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 75 Resp: 8146
Ion Ratio Lower Upper
75 100
77 32.5 21.3 39.6



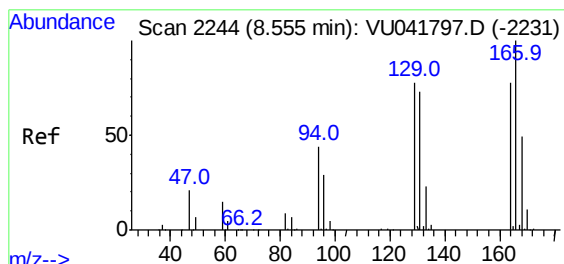
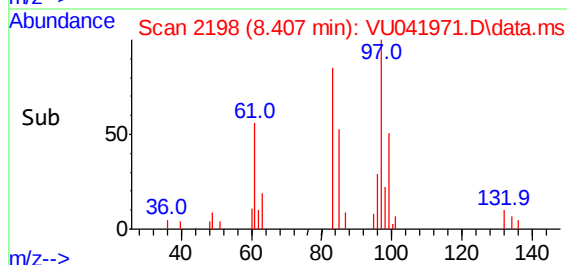
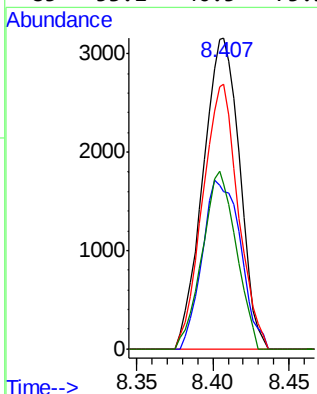
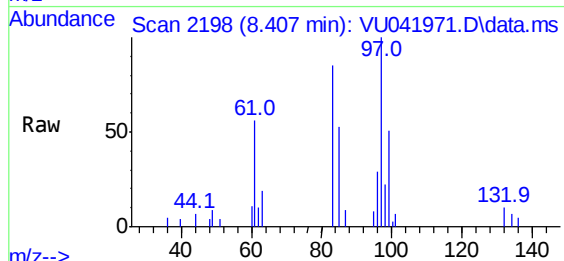


#45
1,1,2-Trichloroethane
Concen: 2.55 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion: 97 Resp: 5282

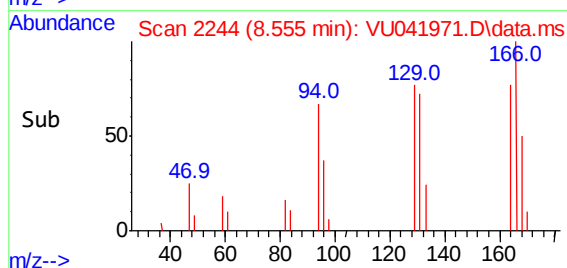
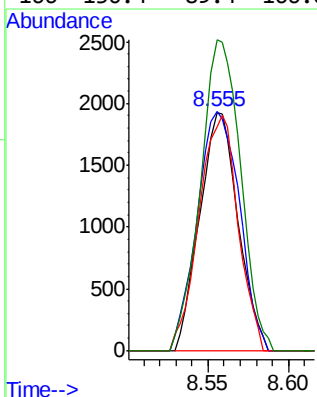
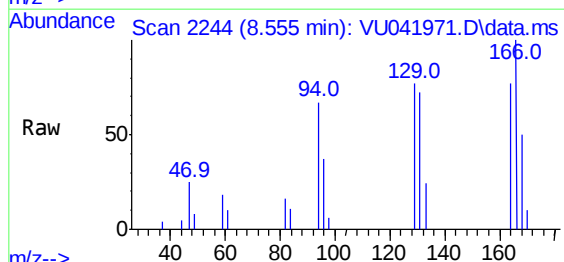
Ion	Ratio	Lower	Upper
97	100		
99	50.6	42.4	78.8
83	85.0	65.2	121.2
85	53.1	40.5	75.3

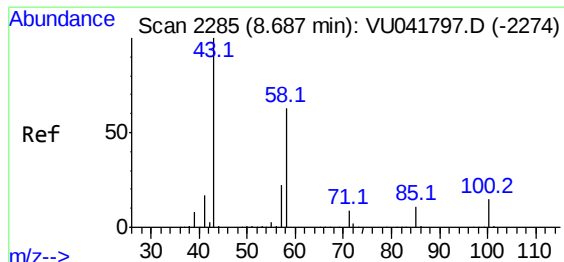


#46
Tetrachloroethene
Concen: 2.25 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 164 Resp: 3144

Ion	Ratio	Lower	Upper
164	100		
129	100.6	71.6	133.0
131	94.1	68.4	127.0
166	130.4	89.4	166.0



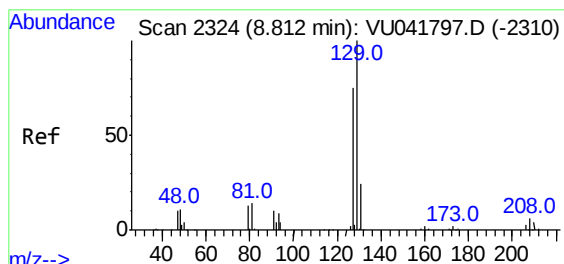
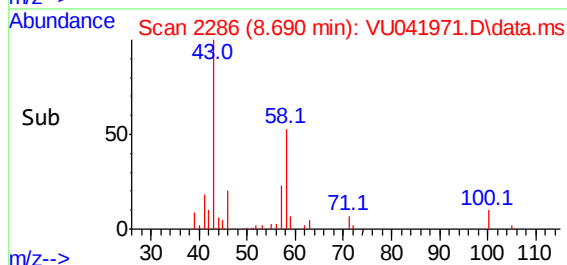
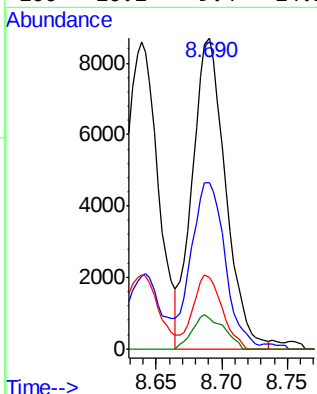
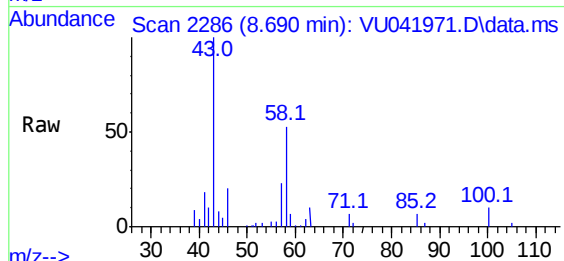


#48
2-Hexanone
Concen: 5.02 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion: 43 Resp: 15285

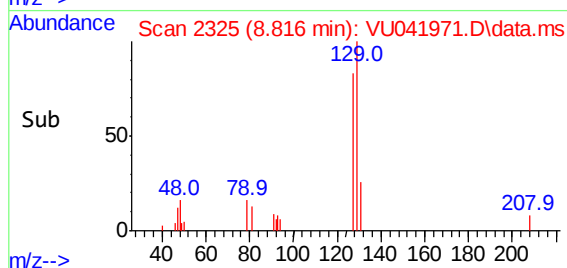
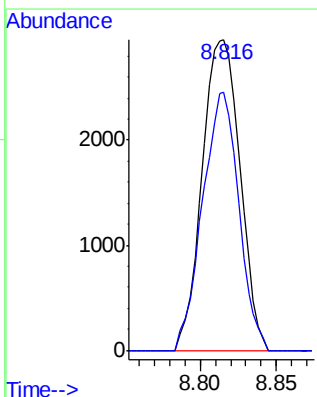
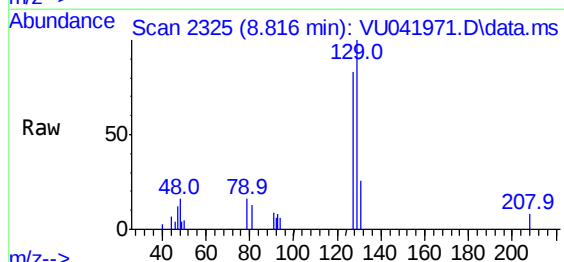
Ion	Ratio	Lower	Upper
43	100		
58	52.6	46.6	70.0
57	20.4	17.1	25.7
100	10.1	9.4	14.2

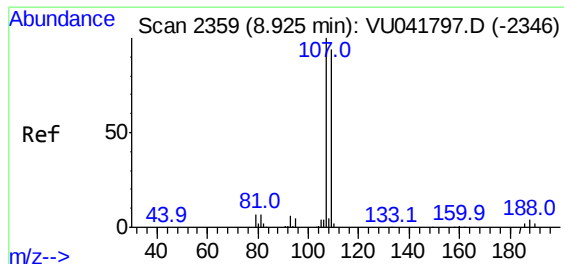


#49
Dibromochloromethane
Concen: 2.31 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 129 Resp: 5113

Ion	Ratio	Lower	Upper
129	100		
127	83.2	55.9	103.7

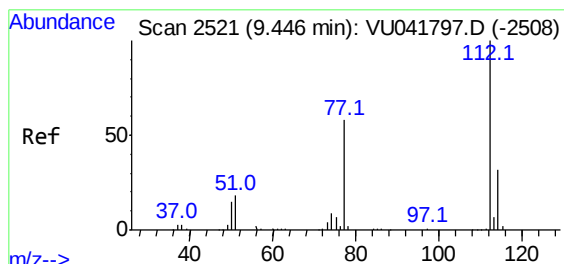
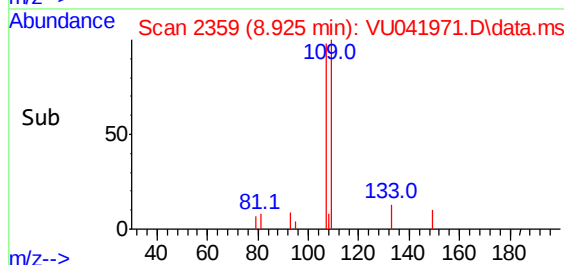
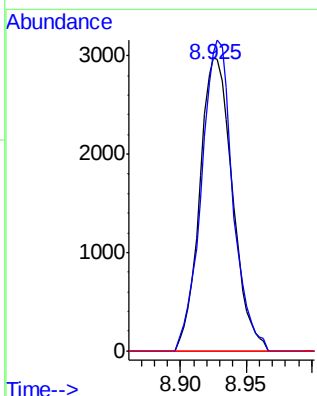
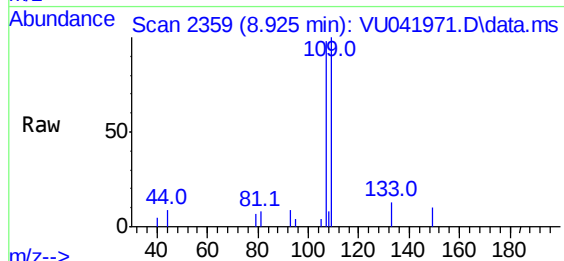




#50
1,2-Dibromoethane
Concen: 2.37 ug/L
RT: 8.925 min Scan# 2359
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

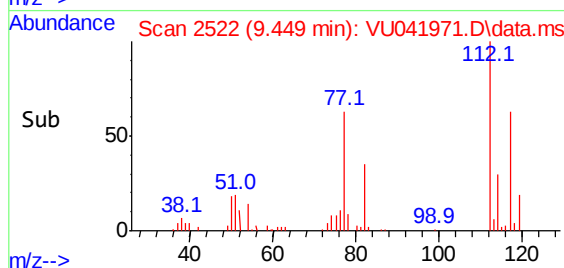
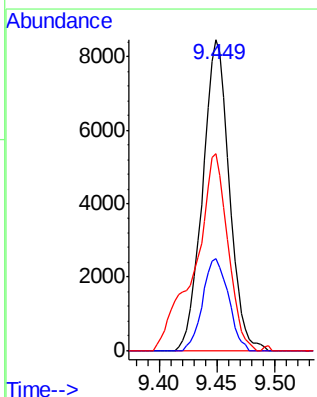
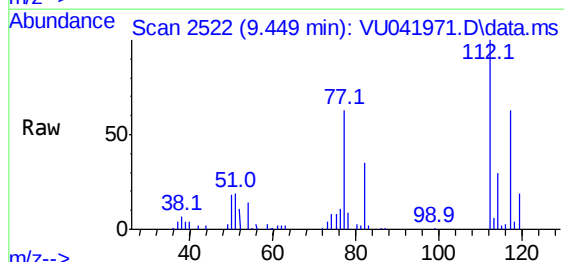
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

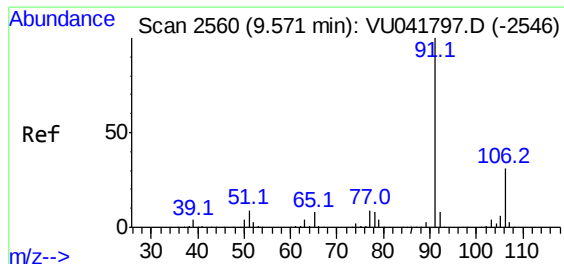
Tgt Ion:107 Resp: 5156
Ion Ratio Lower Upper
107 100
109 101.8 65.5 121.7
188 0.0 2.2 3.4#



#51
Chlorobenzene
Concen: 2.54 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:112 Resp: 13442
Ion Ratio Lower Upper
112 100
114 29.5 22.3 41.3
77 63.3 49.4 74.0

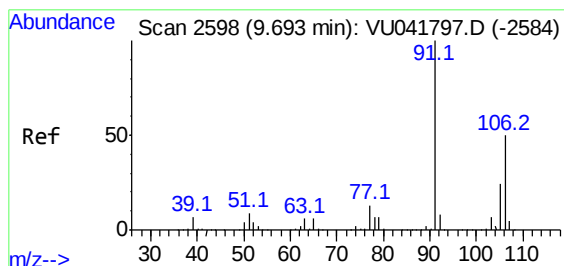
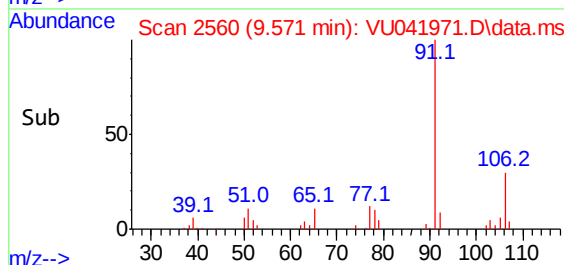
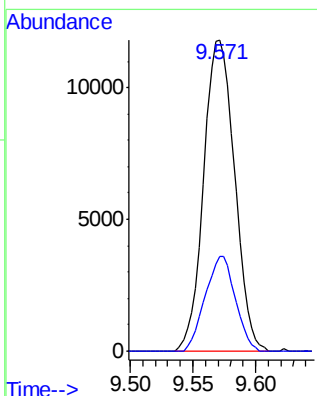
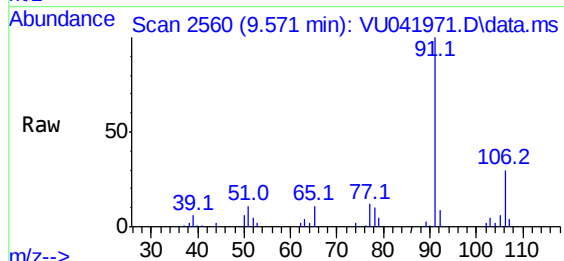




#52
Ethylbenzene
Concen: 2.19 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

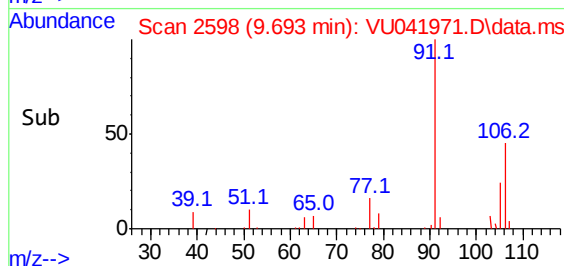
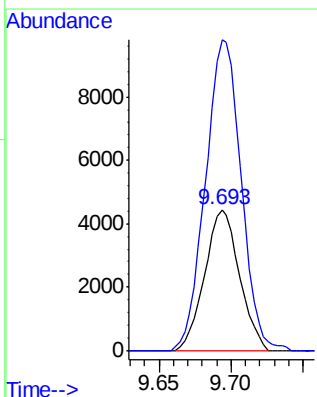
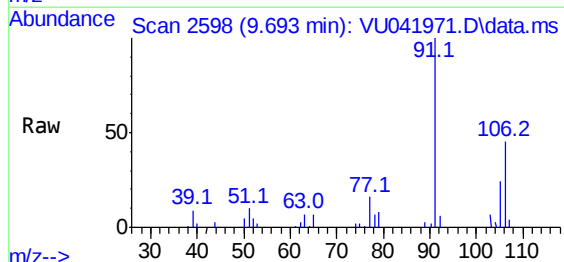
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

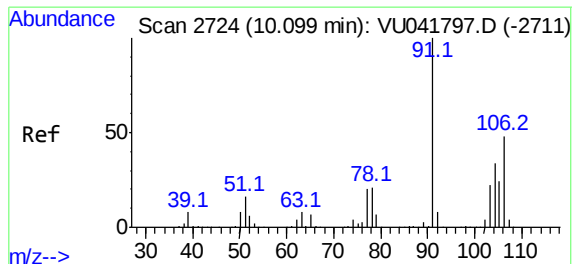
Tgt Ion: 91 Resp: 20124
Ion Ratio Lower Upper
91 100
106 30.3 20.8 38.6



#53
m,p-Xylene
Concen: 2.21 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 106 Resp: 7368
Ion Ratio Lower Upper
106 100
91 220.6 151.4 281.2

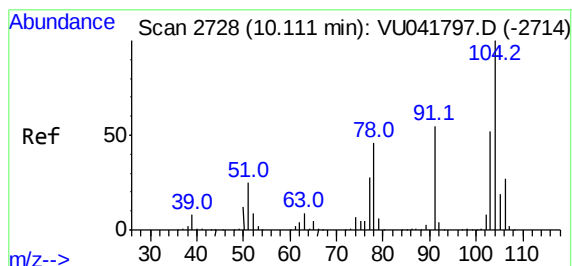
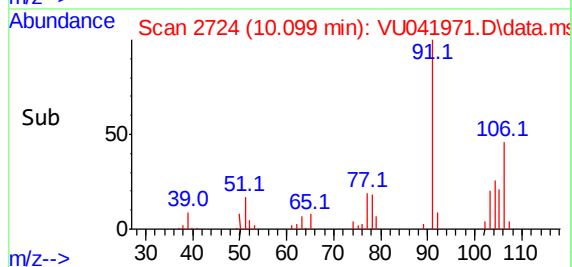
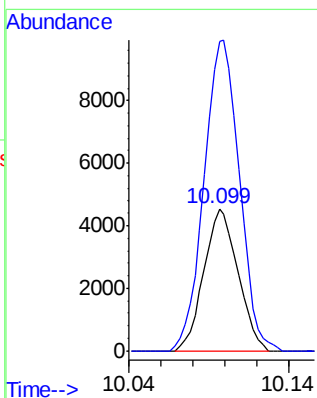
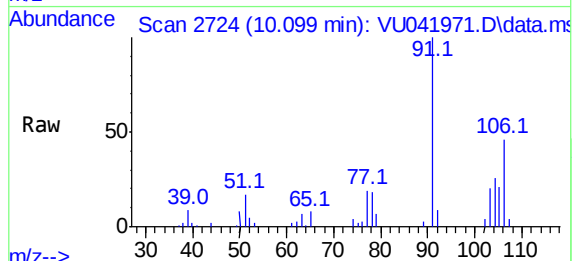




#54
o-xylene
Concen: 2.20 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

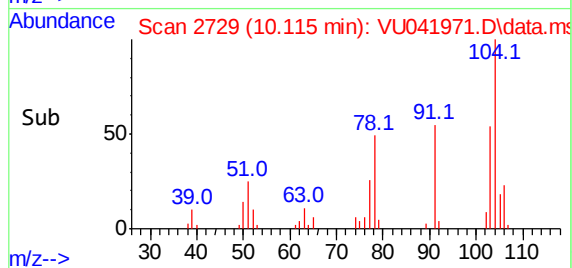
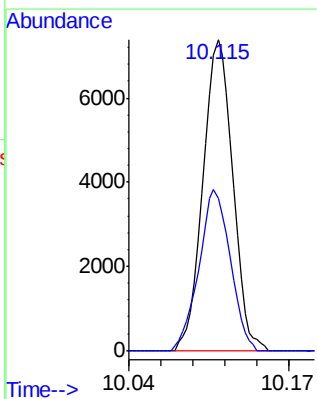
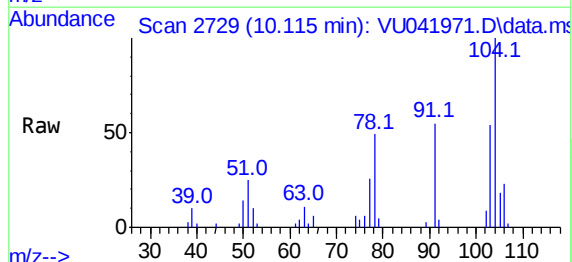
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

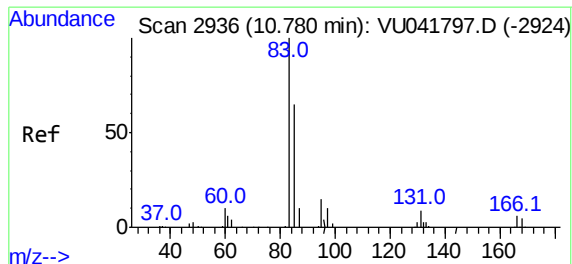
Tgt Ion:106 Resp: 7078
Ion Ratio Lower Upper
106 100
91 217.4 158.5 294.3



#55
Styrene
Concen: 2.17 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:104 Resp: 12321
Ion Ratio Lower Upper
104 100
78 48.9 35.0 65.0

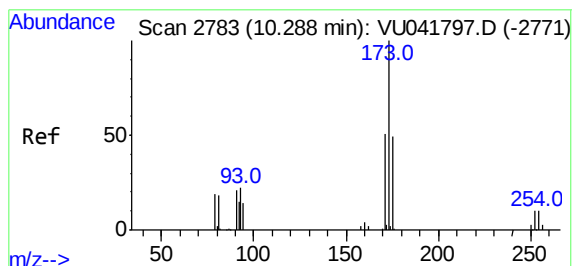
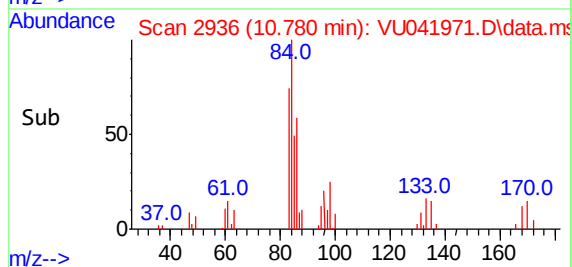
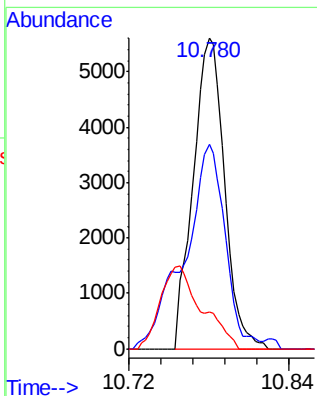
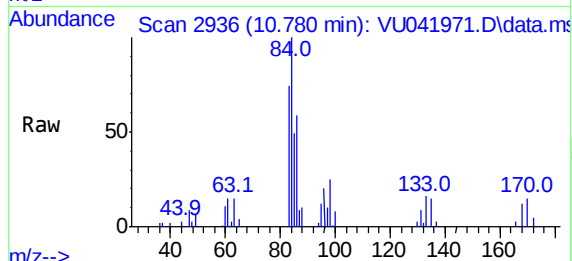




#57
1,1,2,2-Tetrachloroethane
Concen: 2.41 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

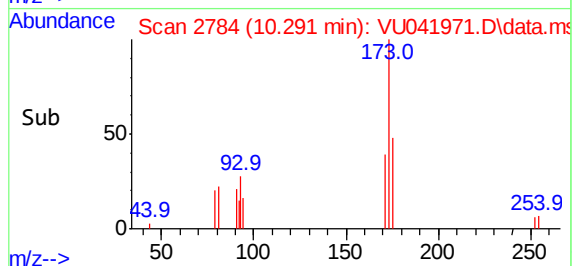
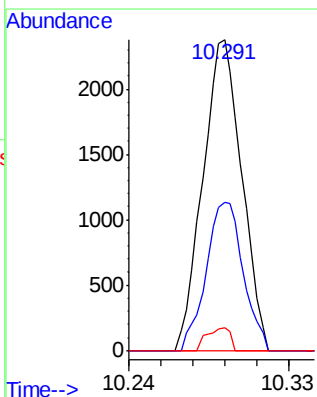
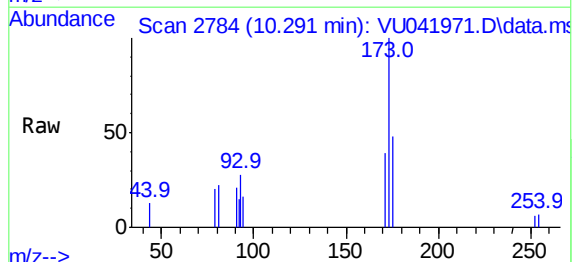
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

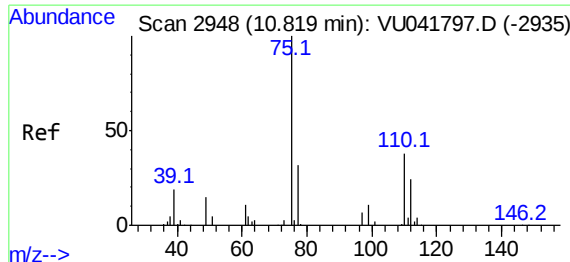
Tgt Ion: 83 Resp: 9272
Ion Ratio Lower Upper
83 100
85 66.0 45.1 83.9
131 12.0 7.4 11.2#



#59
Bromoform
Concen: 2.69 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:173 Resp: 3775
Ion Ratio Lower Upper
173 100
175 45.4 37.8 56.8
254 3.2 6.6 10.0#



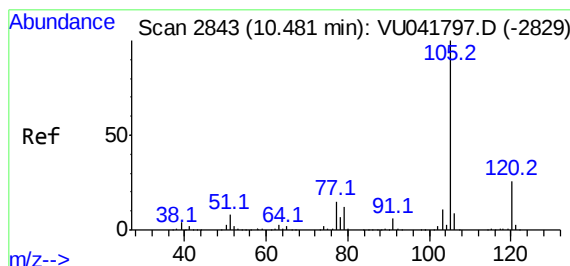
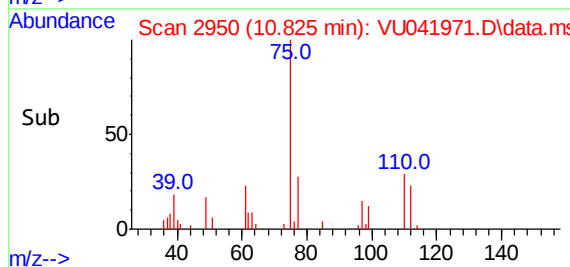
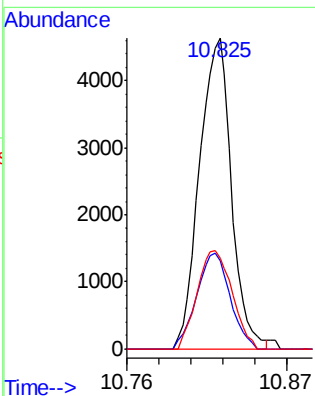
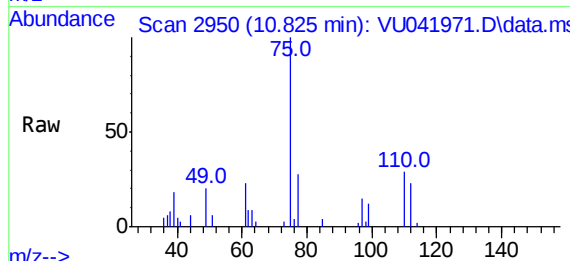


#60
1,2,3-Trichloropropane
Concen: 2.51 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion: 75 Resp: 7094

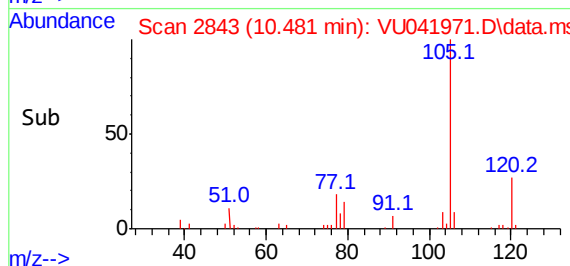
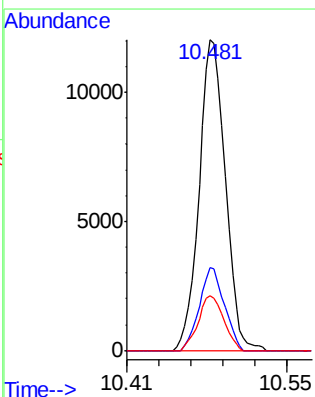
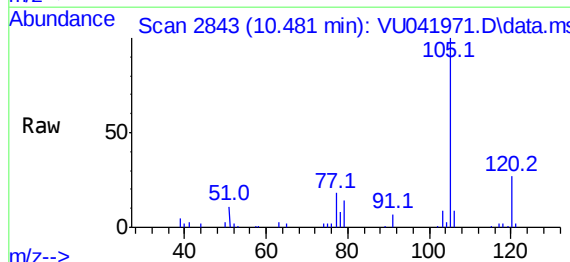
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6
110	34.5	28.7	43.1

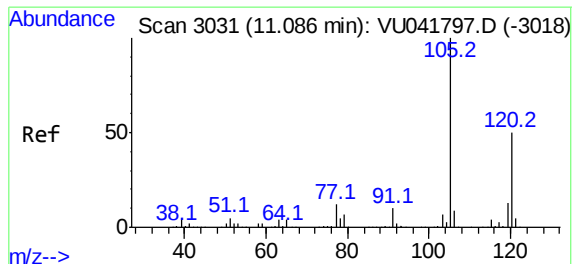


#61
Isopropylbenzene
Concen: 2.49 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion: 105 Resp: 18838

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	30.8
77	17.2	13.4	20.0

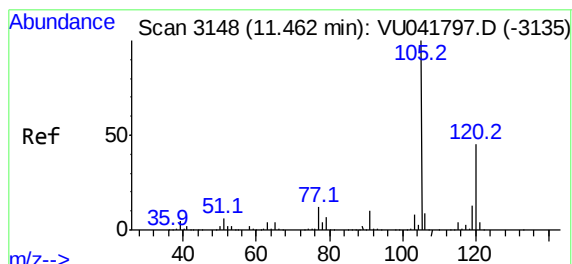
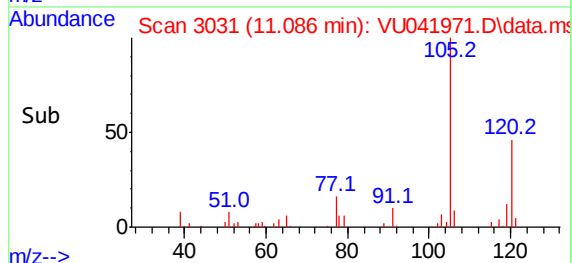
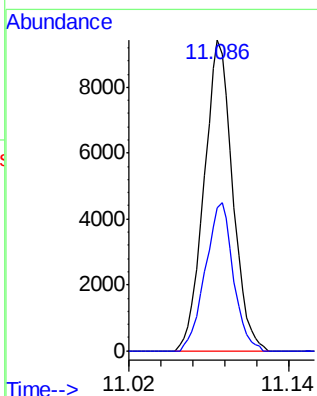
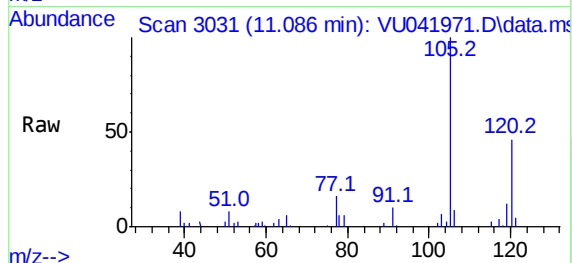




#62
1,3,5-Trimethylbenzene
Concen: 2.21 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

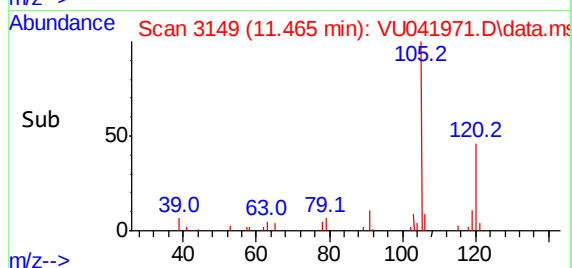
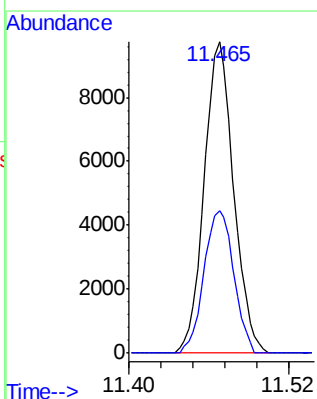
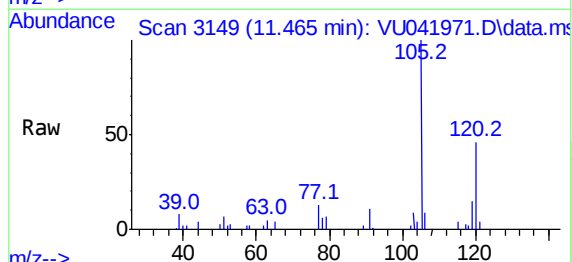
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

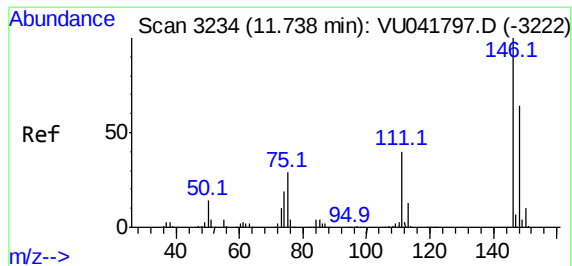
Tgt Ion:105 Resp: 14185
Ion Ratio Lower Upper
105 100
120 46.7 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 2.24 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:105 Resp: 14371
Ion Ratio Lower Upper
105 100
120 46.1 35.5 53.3

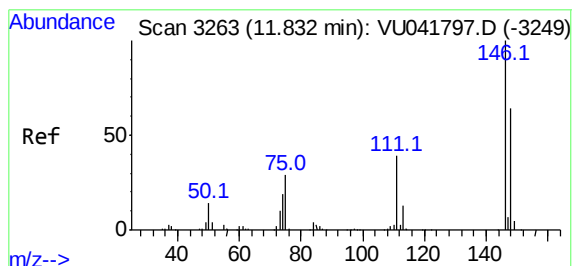
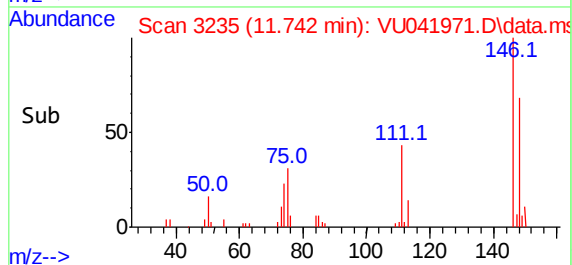
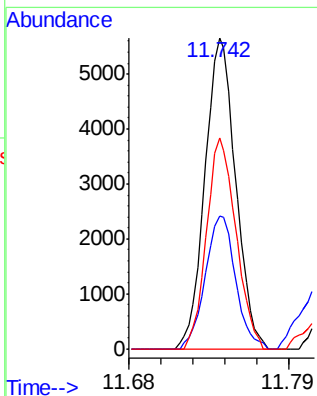
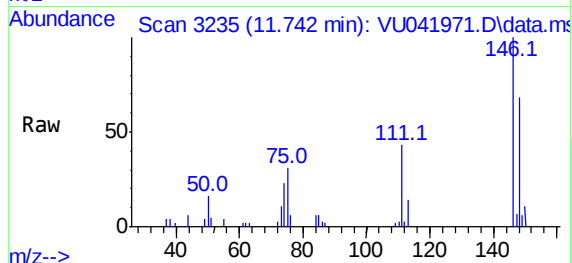




#64
1,3-Dichlorobenzene
Concen: 2.52 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

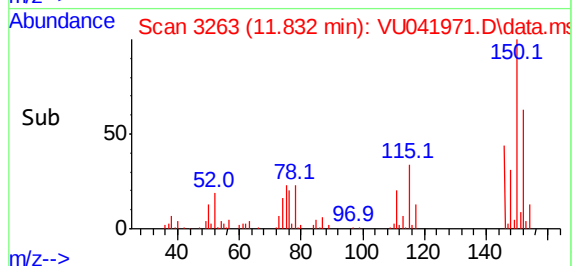
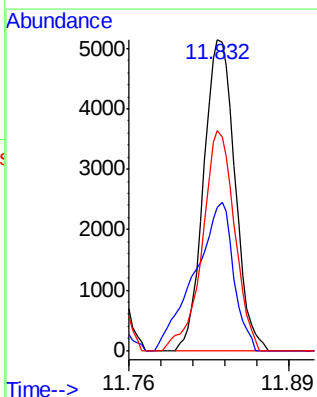
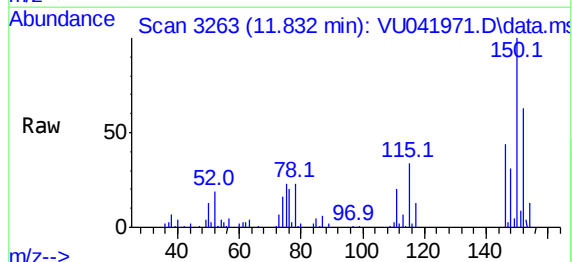
Instrument :
MSVOA_U
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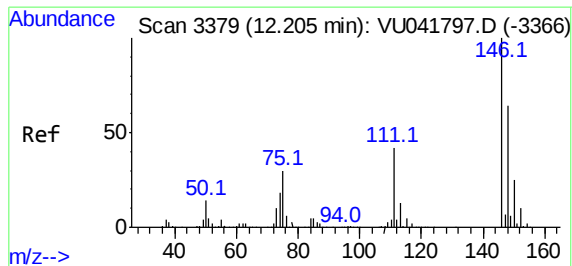
Tgt Ion:146 Resp: 8730
Ion Ratio Lower Upper
146 100
111 42.5 30.7 56.9
148 68.0 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 2.45 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:146 Resp: 8488
Ion Ratio Lower Upper
146 100
111 46.2 29.4 54.6
148 70.6 45.1 83.9

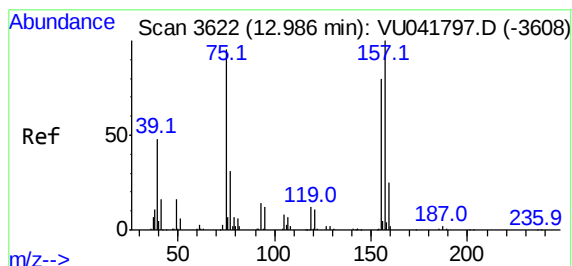
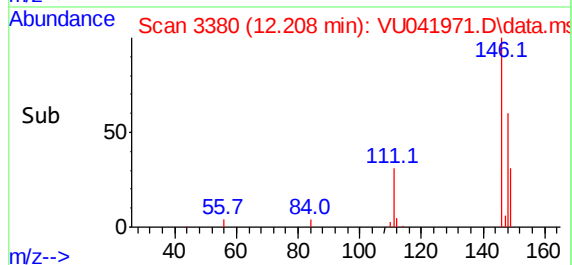
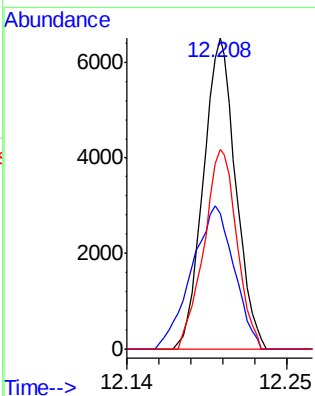
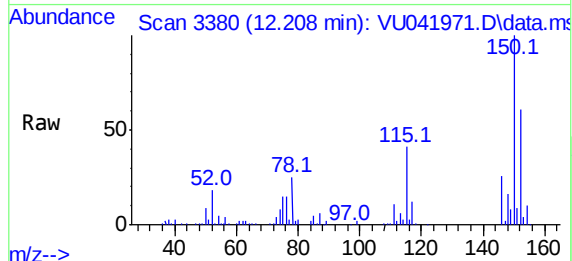




#67
 1,2-Dichlorobenzene
 Concen: 2.85 ug/L
 RT: 12.208 min Scan# 3380
 Delta R.T. 0.003 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

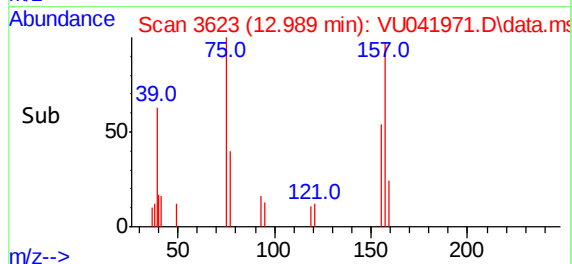
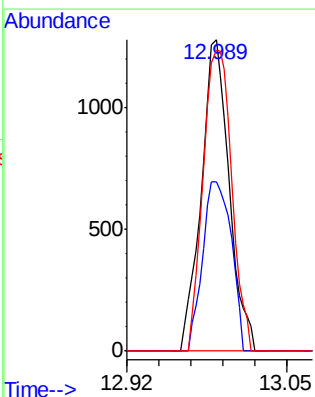
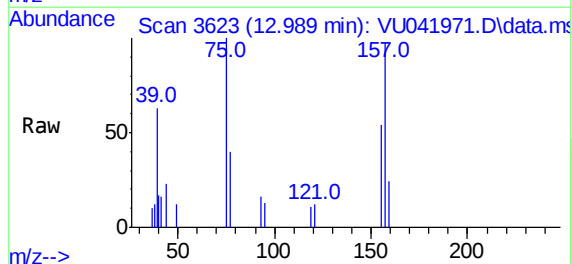
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-01

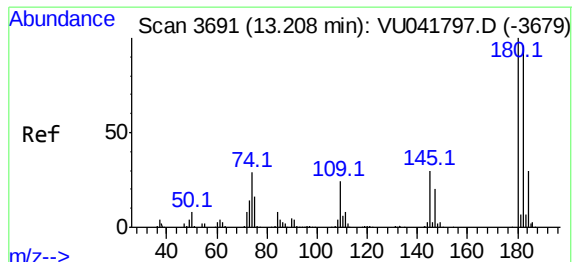
Tgt Ion:	146	Resp:	10086
Ion	Ratio	Lower	Upper
146	100		
111	43.4	35.4	53.2
148	64.0	52.6	79.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.22 ug/L
 RT: 12.989 min Scan# 3623
 Delta R.T. 0.003 min
 Lab File: VU041971.D
 Acq: 12 Jan 2021 16:08

Tgt Ion:	75	Resp:	1985
Ion	Ratio	Lower	Upper
75	100		
155	54.4	56.2	84.2#
157	96.6	69.5	104.3

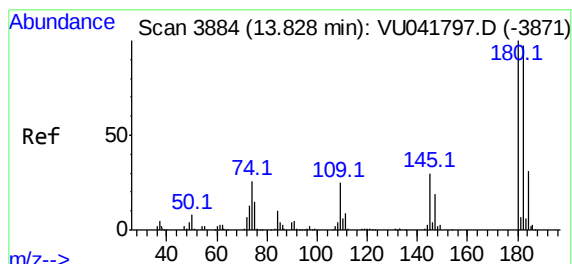
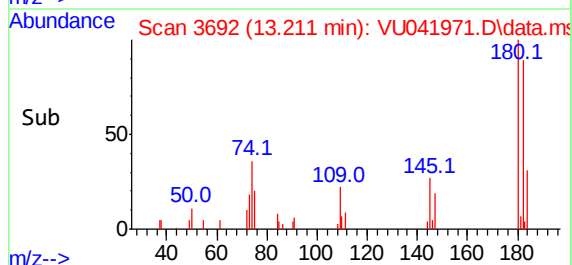
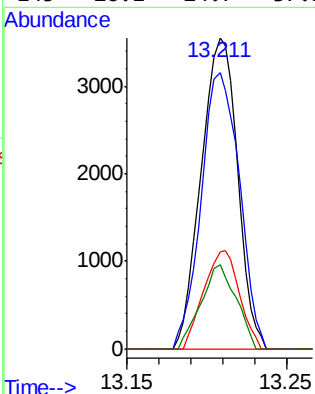
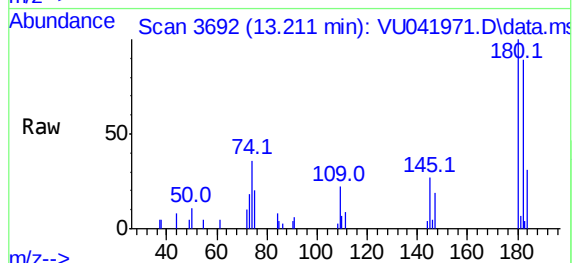




#69
1,3,5-Trichlorobenzene
Concen: 2.34 ug/L
RT: 13.211 min Scan# 3692
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

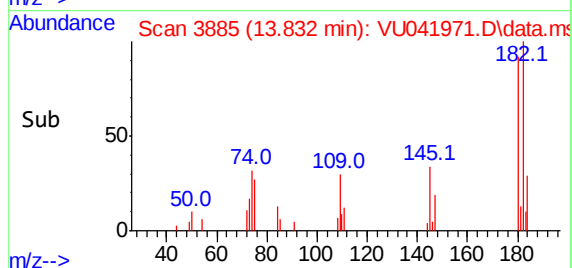
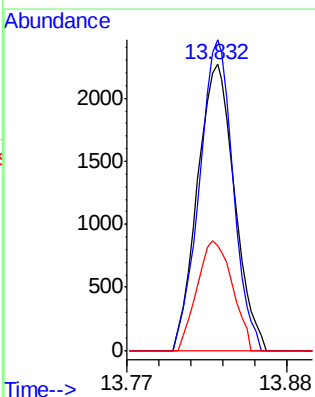
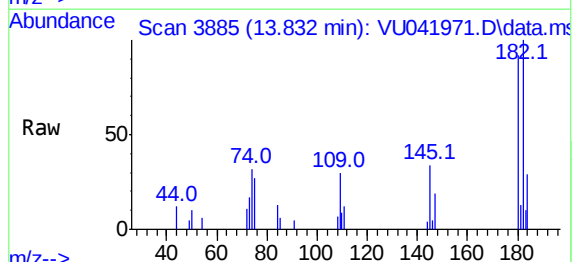
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

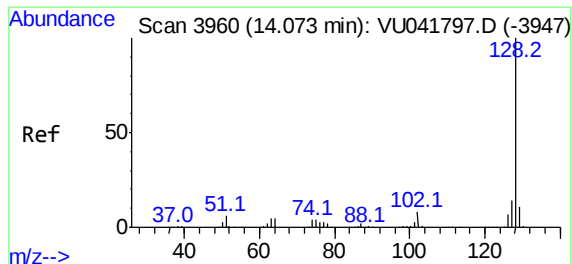
Tgt Ion:180 Resp: 5472
Ion Ratio Lower Upper
180 100
182 93.5 76.1 114.1
184 31.0 24.3 36.5
145 26.1 24.7 37.1



#70
1,2,4-trichlorobenzene
Concen: 2.13 ug/L
RT: 13.832 min Scan# 3885
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:180 Resp: 3836
Ion Ratio Lower Upper
180 100
182 98.6 76.1 114.1
145 36.6 26.8 40.2

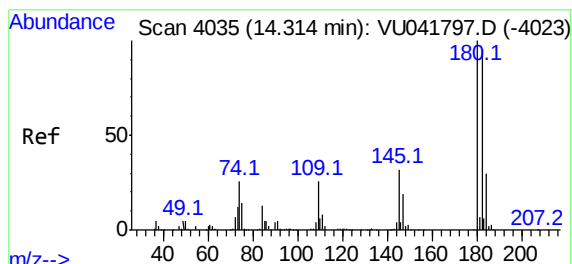
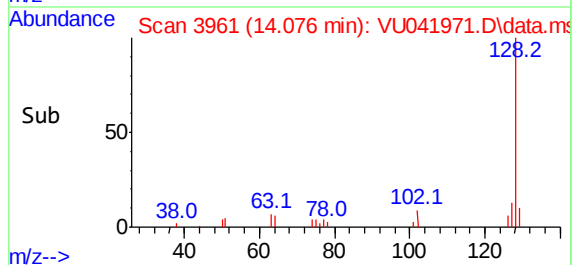
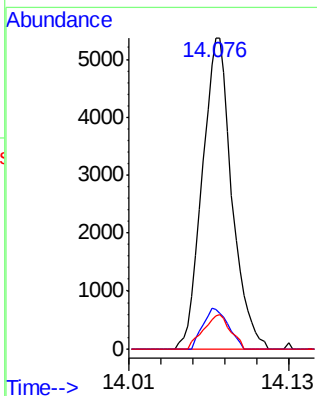
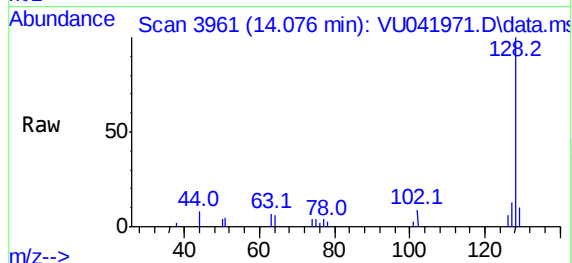




#71
Naphthalene
Concen: 1.42 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Tgt Ion:128 Resp: 8790
Ion Ratio Lower Upper
128 100
127 11.1 10.8 16.2
129 9.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 1.96 ug/L
RT: 14.317 min Scan# 4036
Delta R.T. -0.000 min
Lab File: VU041971.D
Acq: 12 Jan 2021 16:08

Tgt Ion:180 Resp: 3622
Ion Ratio Lower Upper
180 100
182 102.5 75.5 113.3
145 38.2 27.1 40.7

