

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019272.D
 Acq On : 04 Nov 2020 15:01
 Operator : JC/MD
 Sample : L4485-21
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-ME-SOIL-07

Quant Time: Nov 04 15:27:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	392369	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	360205	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	173838	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	137132	40.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.20%
7) Chloroethane-d5	1.70	69	115151	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.82%
11) 1,1-Dichloroethene-d2	2.34	63	188558	33.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.66%
21) 2-Butanone-d5	4.53	46	197130	114.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.39%
24) Chloroform-d	5.14	84	244747	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	6.03	65	175095	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
32) Benzene-d6	6.05	84	518986	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
36) 1,2-Dichloropropane-d6	7.37	67	160529	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.26%
41) Toluene-d8	8.70	98	467177	41.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.30%
43) trans-1,3-Dichloropropene-	8.99	79	78122	44.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.22%
47) 2-Hexanone-d5	9.43	63	154788	113.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.50%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	215285	55.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.54%
66) 1,2-Dichlorobenzene-d4	12.36	152	170395	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5431	2.184 ug/L	95
3) Chloromethane	1.31	50	6077	2.405 ug/L	94
5) Vinyl chloride	1.39	62	7327	2.573 ug/L #	68
6) Bromomethane	1.64	94	4888	2.597 ug/L	91
8) Chloroethane	1.72	64	4634	2.611 ug/L	100
9) Trichlorofluoromethane	1.92	101	9895	2.342 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7322	3.005 ug/L #	84
12) 1,1-Dichloroethene	2.36	96	7008	2.964 ug/L #	1
13) Acetone	2.43	43	5272	4.950 ug/L	86
14) Carbon disulfide	2.55	76	15076	2.113 ug/L	98
15) Methyl Acetate	2.75	43	6366	2.739 ug/L	98
16) Methylene chloride	2.84	84	6811	2.583 ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	6022	2.369 ug/L	87
18) Methyl tert-butyl Ether	3.17	73	18408	2.291 ug/L	98
19) 1,1-Dichloroethane	3.67	63	10823	2.396 ug/L	98
20) cis-1,2-Dichloroethene	4.57	96	6699	2.399 ug/L	93
22) 2-Butanone	4.65	43	9242	5.495 ug/L	94

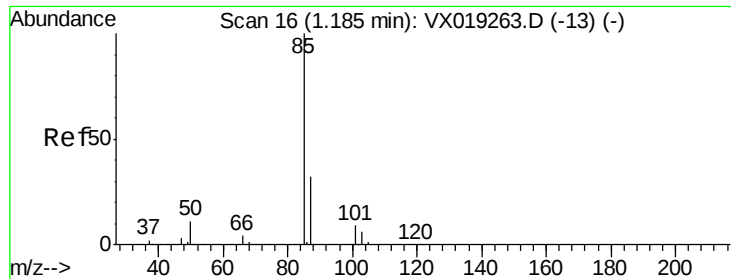
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	3381	2.404	ug/L	87
25) Chloroform	5.18	83	27187	5.734	ug/L	98
27) 1,2-Dichloroethane	6.17	62	9664	2.589	ug/L	97
29) Cyclohexane	5.54	56	9416	2.271	ug/L	98
30) 1,1,1-Trichloroethane	5.46	97	9777	2.252	ug/L	98
31) Carbon tetrachloride	5.76	117	7839	2.101	ug/L	99
33) Benzene	6.11	78	24529	2.372	ug/L	100
34) Trichloroethene	7.19	95	6329	2.242	ug/L	98
35) Methylcyclohexane	7.44	83	9977	2.233	ug/L	98
37) 1,2-Dichloropropane	7.49	63	6372	2.481	ug/L	99
38) Bromodichloromethane	7.87	83	7614	2.131	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	9665	2.265	ug/L	92
40) 4-Methyl-2-pentanone	8.62	43	15380	4.896	ug/L	99
42) Toluene	8.76	91	32833	2.919	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	9606	2.310	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	5799	2.298	ug/L	94
46) Tetrachloroethene	9.32	164	4624	2.171	ug/L	92
48) 2-Hexanone	9.48	43	15157	6.123	ug/L	100
49) Dibromochloromethane	9.56	129	5643	2.044	ug/L	92
50) 1,2-Dibromoethane	9.65	107	6415	2.431	ug/L	88
51) Chlorobenzene	10.12	112	16637	2.378	ug/L	99
52) Ethylbenzene	10.24	91	27776	2.284	ug/L	98
53) m,p-Xylene	10.34	106	10523	2.303	ug/L	94
54) o-Xylene	10.68	106	9693	2.191	ug/L	93
55) Styrene	10.70	104	15810	2.119	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.25	83	9841	2.845	ug/L	99
59) Bromoform	10.84	173	3618	1.921	ug/L #	95
60) Isopropylbenzene	11.00	105	25918	2.197	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	7891	2.665	ug/L	96
62) 1,3,5-Trimethylbenzene	11.49	105	19636	2.023	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	19834	2.160	ug/L	96
64) 1,3-Dichlorobenzene	12.01	146	11731	2.303	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	12890	2.494	ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	12536	2.542	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	1895	2.350	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	8018	2.248	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	7150	2.175	ug/L	99
71) Naphthalene	13.82	128	21416	2.014	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	7165	2.227	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.184 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

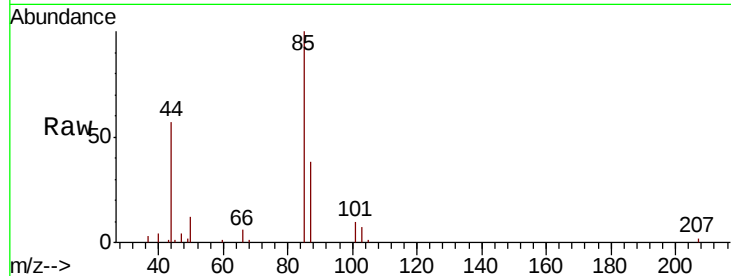
MDL-ME-SOIL-07

Tot Ion: 85 Resp: 5431

Ion Ratio Lower Upper

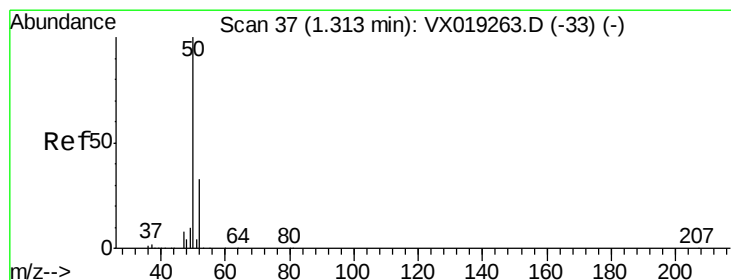
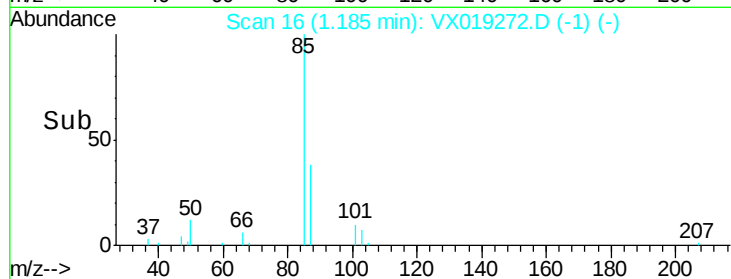
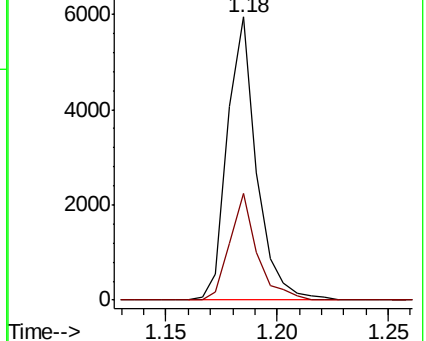
85 100

87 35.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 2.405 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019272.D

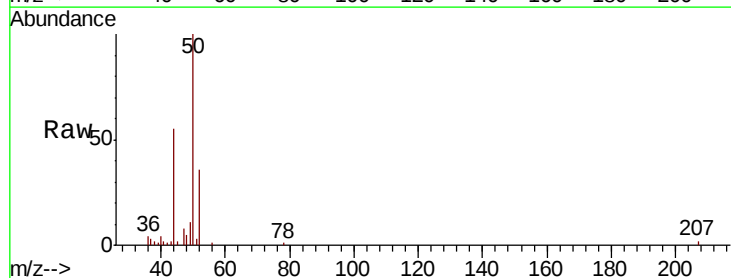
Acq: 04 Nov 2020 15:01

Tgt Ion: 50 Resp: 6077

Ion Ratio Lower Upper

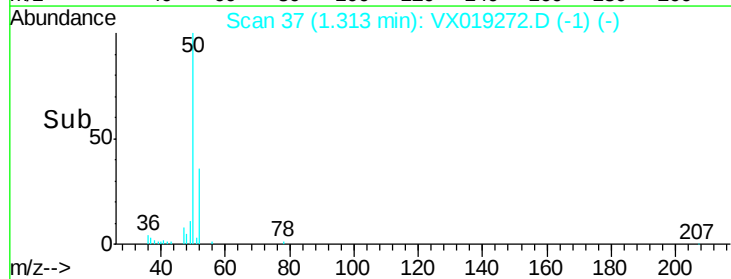
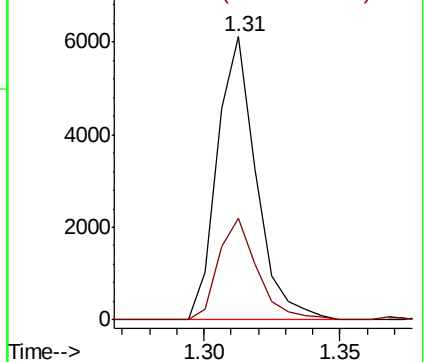
50 100

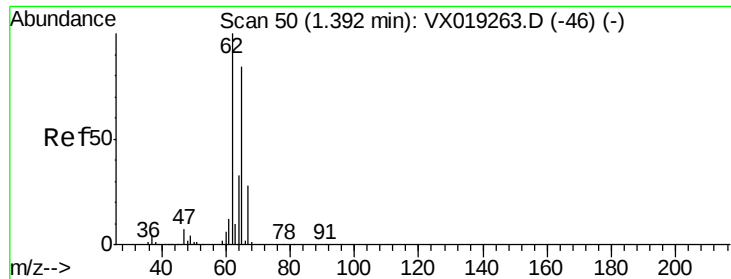
52 35.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.573 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

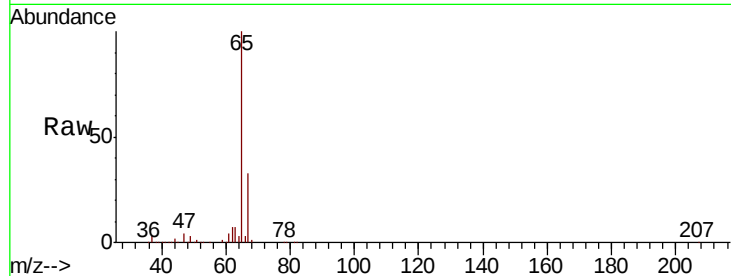
MDL-ME-SOIL-07

Tot Ion: 62 Resp: 7327

Ion Ratio Lower Upper

62 100

64 51.7 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

8000

6000

4000

2000

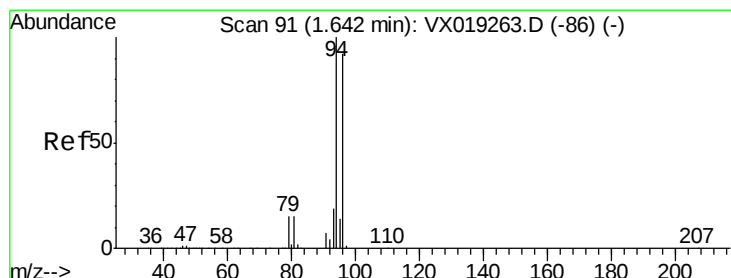
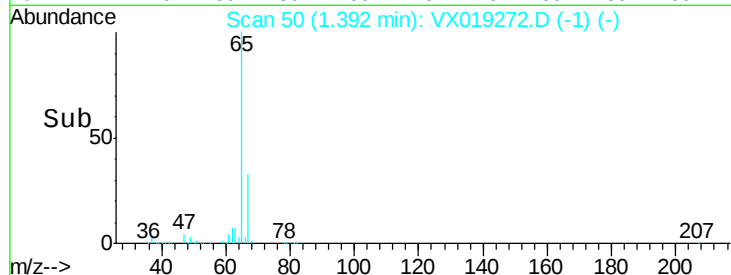
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 2.597 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX019272.D

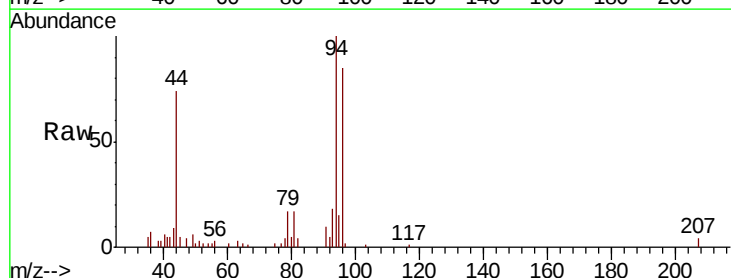
Acq: 04 Nov 2020 15:01

Tgt Ion: 94 Resp: 4888

Ion Ratio Lower Upper

94 100

96 85.5 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

4000

3000

2000

1000

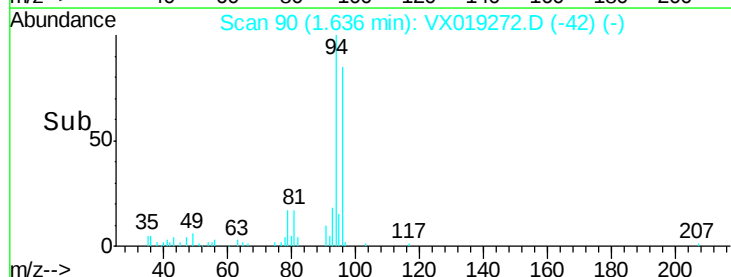
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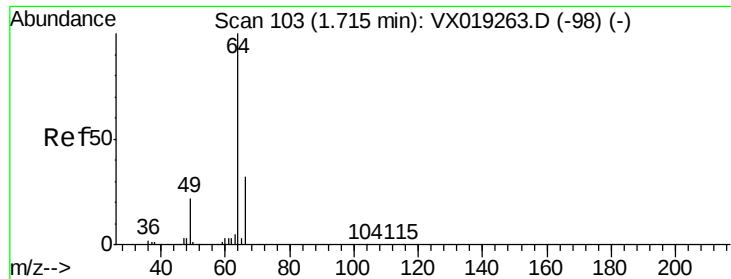
1.60

1.65

1.70

Time-->

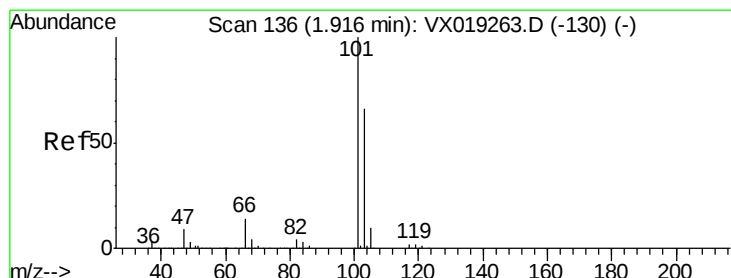
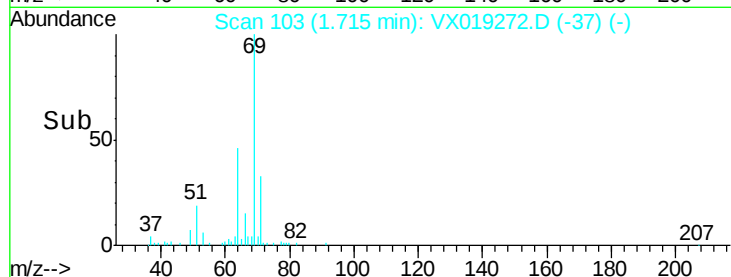
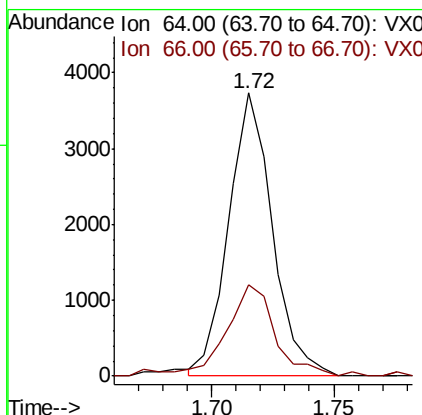
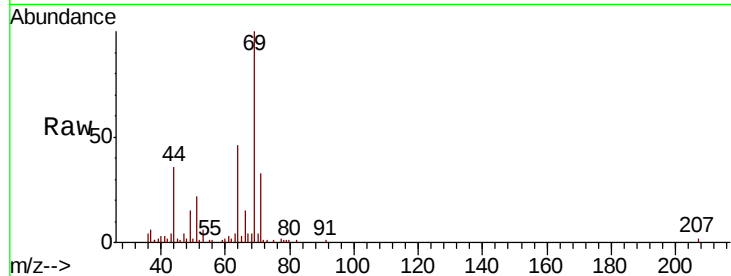




#8
Chloroethane
Concen: 2.611 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

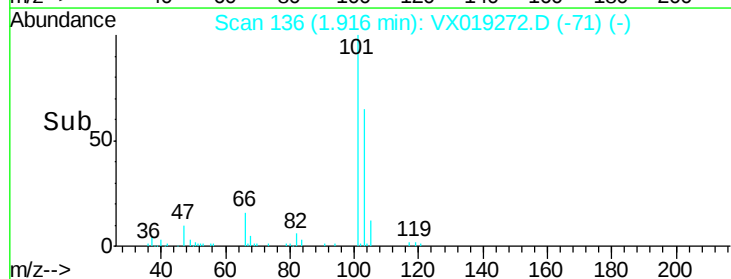
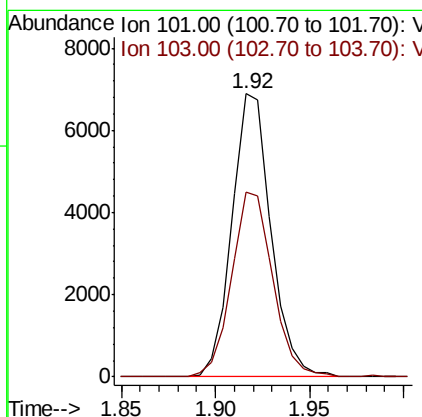
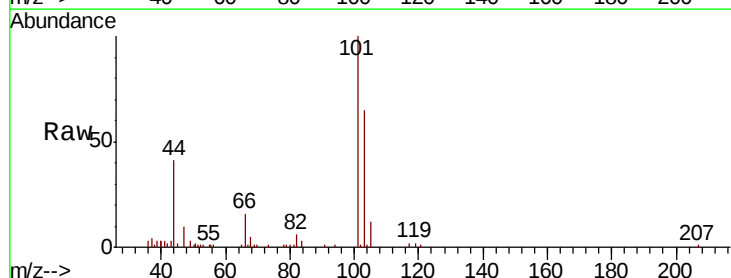
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

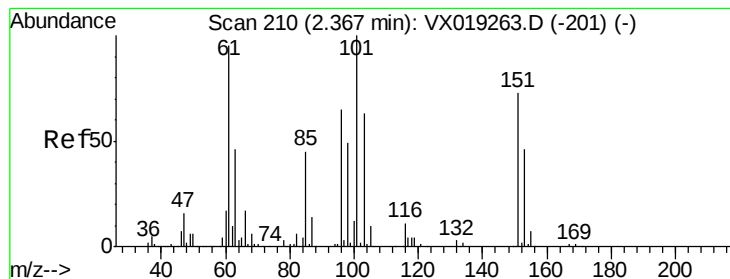
Tot Ion: 64 Resp: 4634
Ion Ratio Lower Upper
64 100
66 32.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.342 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 101 Resp: 9895
Ion Ratio Lower Upper
101 100
103 68.8 51.3 76.9





#10

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

Concen: 3.005 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-07

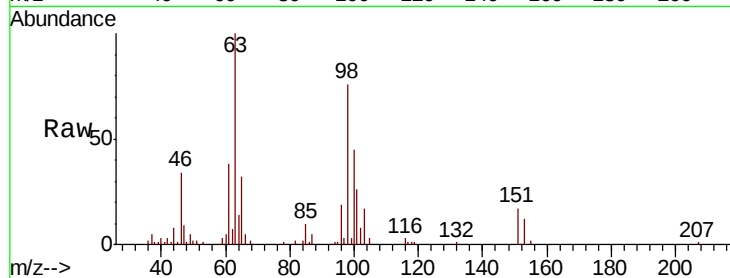
Tot Ion:101 Resp: 7322

Ion Ratio Lower Upper

101 100

85 35.0 35.0 52.4

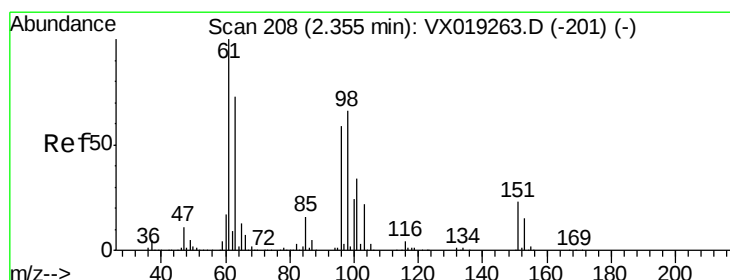
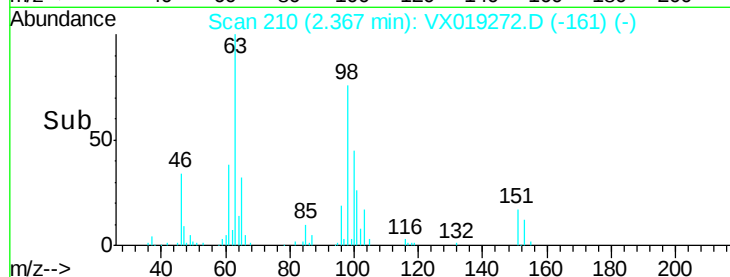
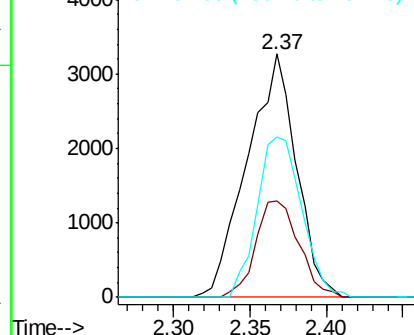
151 59.8 59.9 89.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.964 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

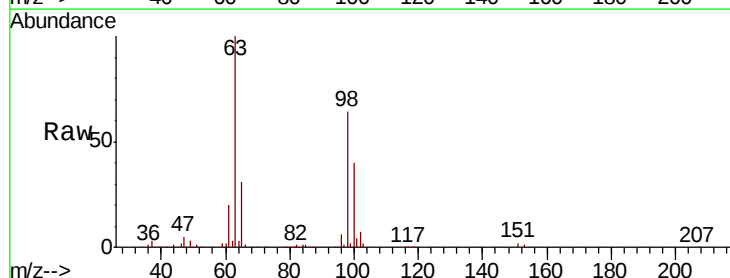
Tgt Ion: 96 Resp: 7008

Ion Ratio Lower Upper

96 100

61 345.8 115.1 213.8#

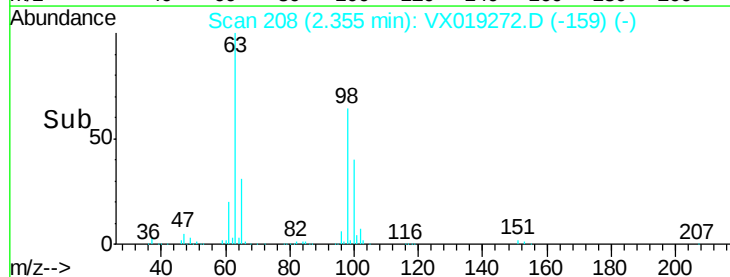
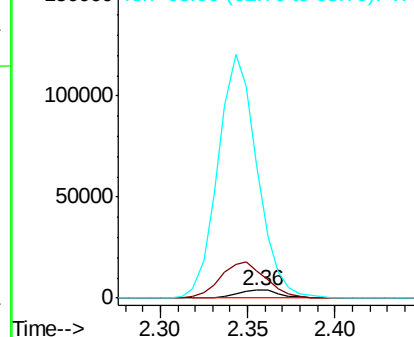
63 1692.4 78.3 145.5#

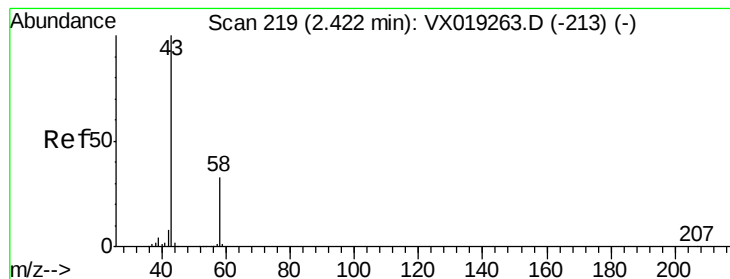


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 4.950 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

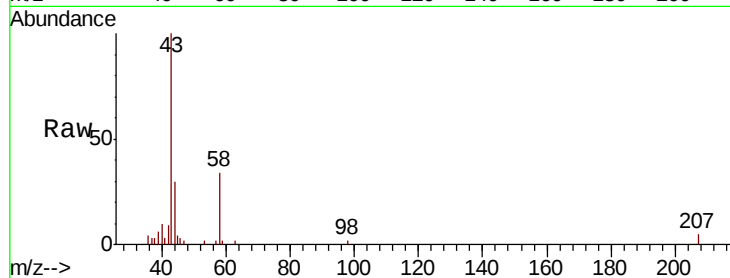
MDL-ME-SOIL-07

Tot Ion: 43 Resp: 5272

Ion Ratio Lower Upper

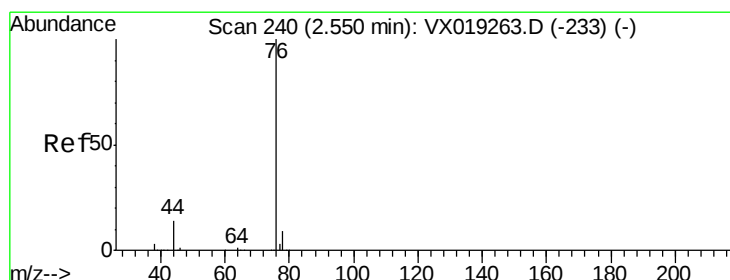
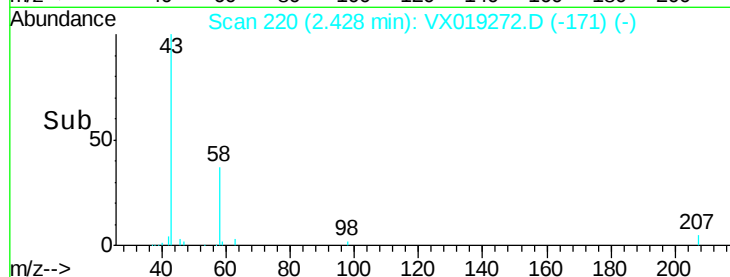
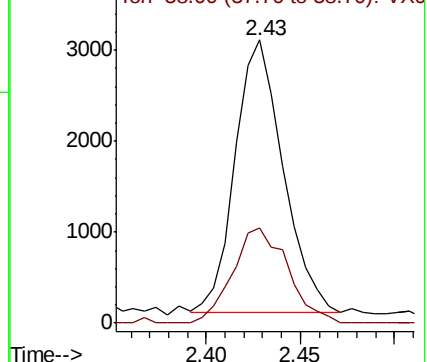
43 100

58 40.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 2.113 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019272.D

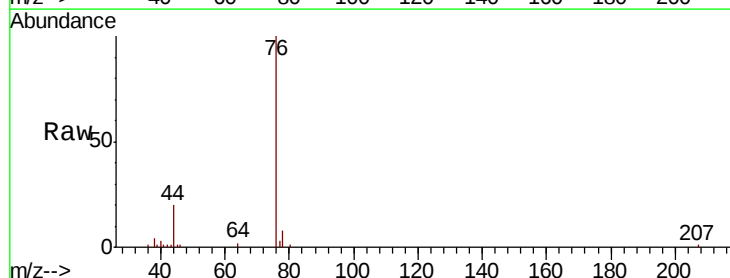
Acq: 04 Nov 2020 15:01

Tgt Ion: 76 Resp: 15076

Ion Ratio Lower Upper

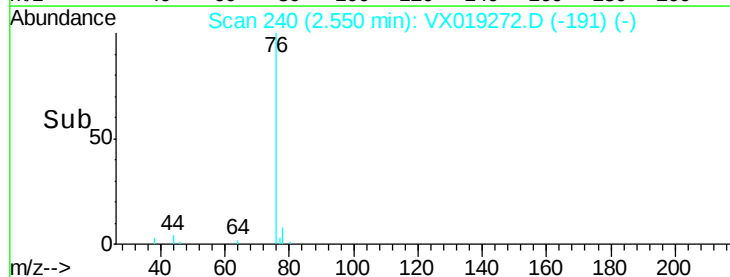
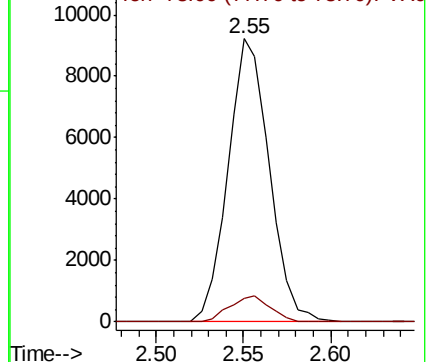
76 100

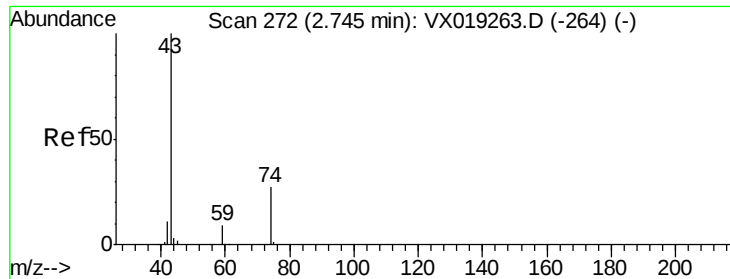
78 8.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

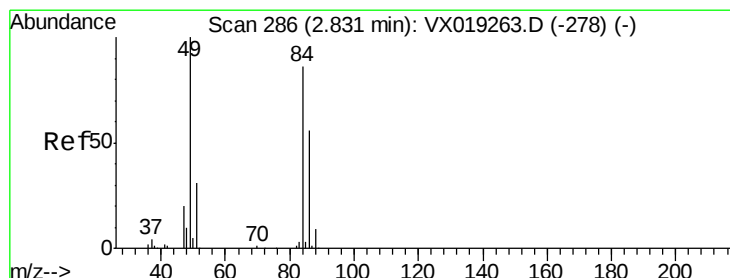
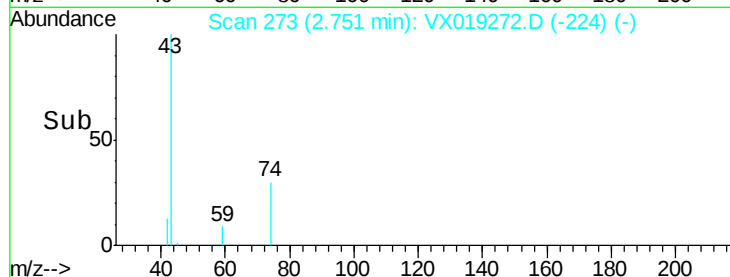
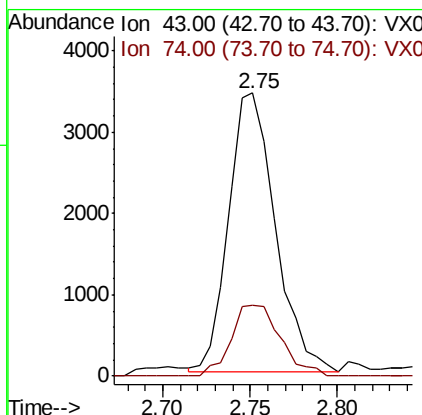
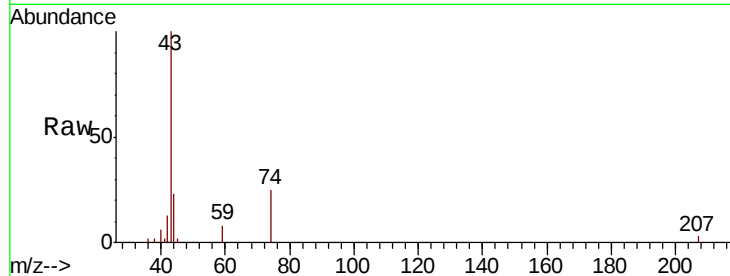




#15
Methyl Acetate
Concen: 2.739 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

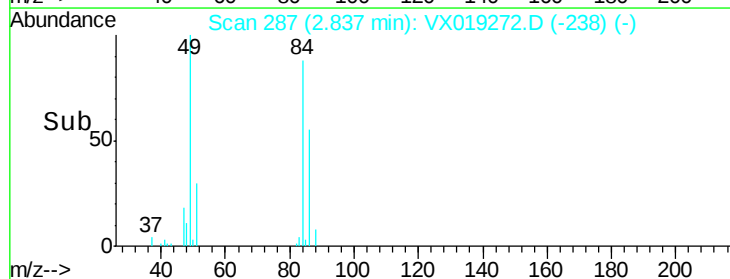
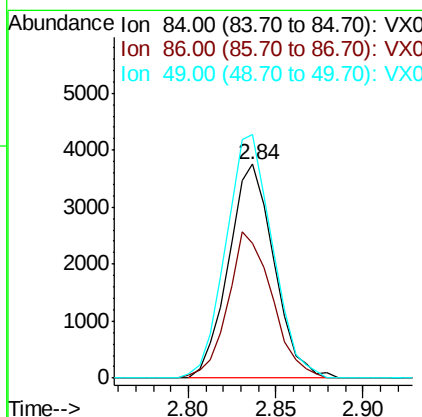
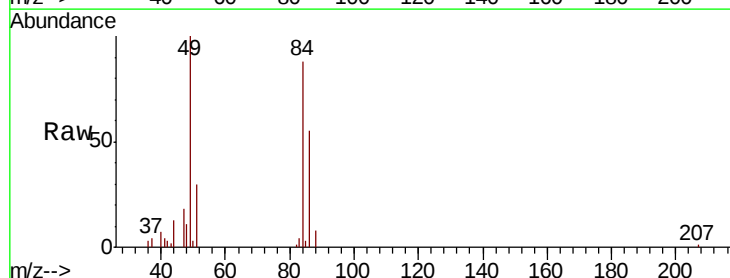
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

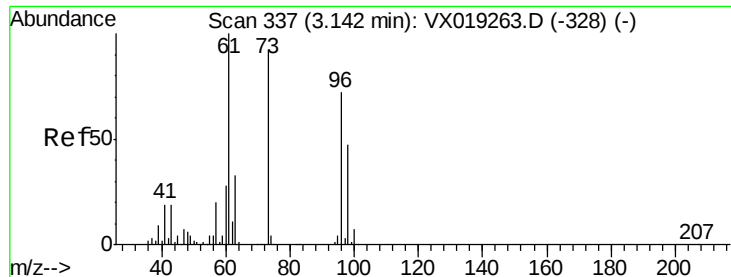
Tot Ion: 43 Resp: 6366
Ion Ratio Lower Upper
43 100
74 26.2 21.8 32.8



#16
Methylene chloride
Concen: 2.583 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 84 Resp: 6811
Ion Ratio Lower Upper
84 100
86 63.0 44.0 81.6
49 114.0 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.369 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-07

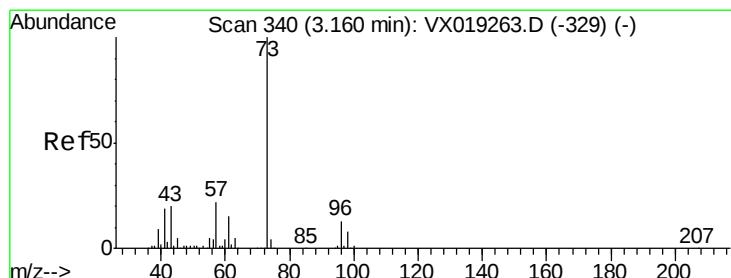
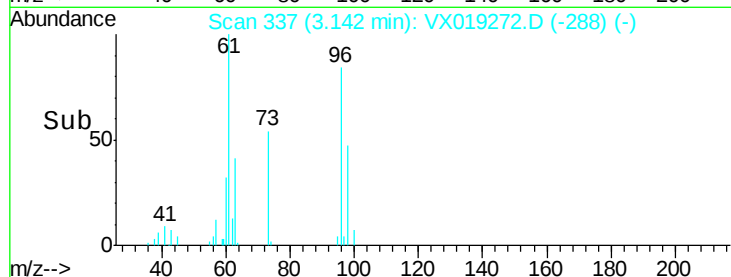
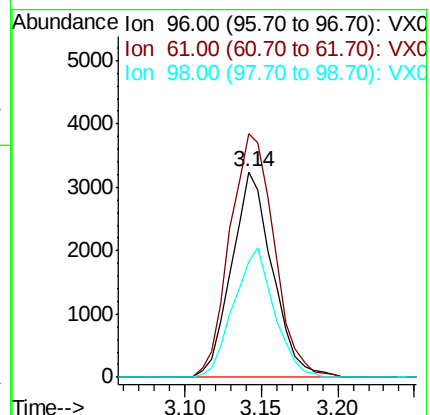
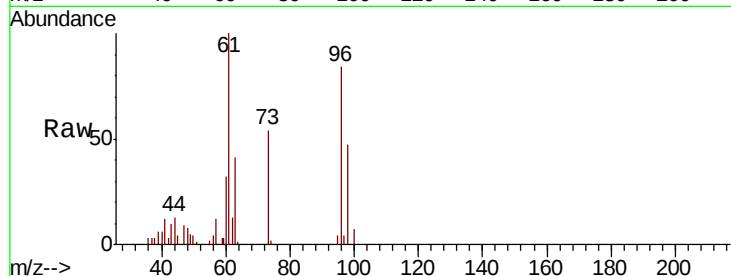
Tot Ion: 96 Resp: 6022

Ion Ratio Lower Upper

96 100

61 118.6 95.7 177.7

98 56.3 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.291 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

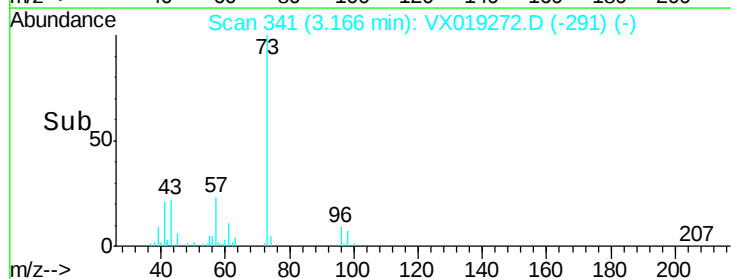
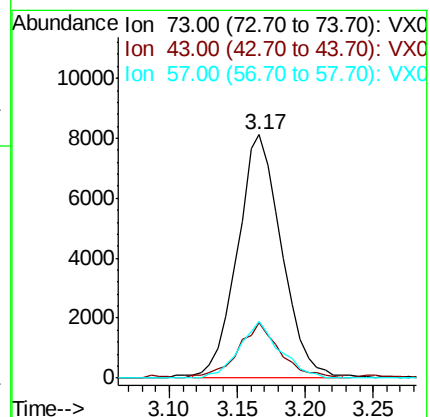
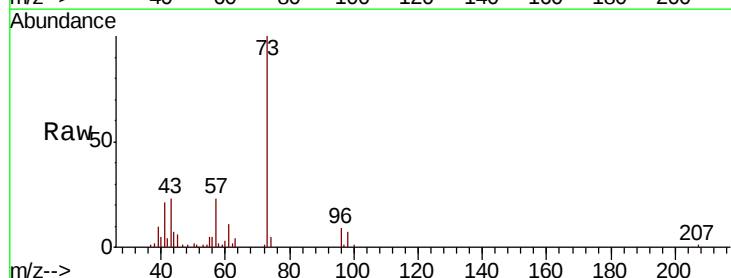
Tgt Ion: 73 Resp: 18408

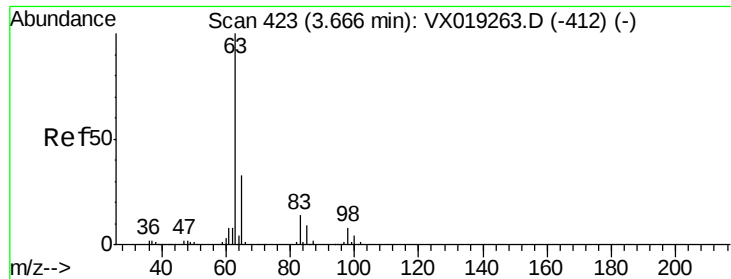
Ion Ratio Lower Upper

73 100

43 21.6 15.8 23.6

57 21.2 17.0 25.4

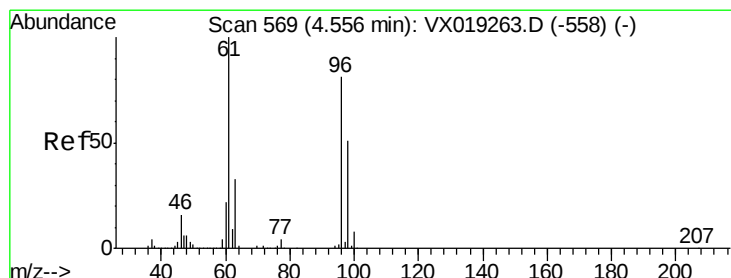
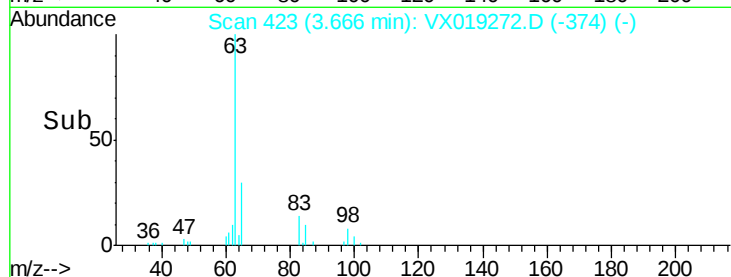
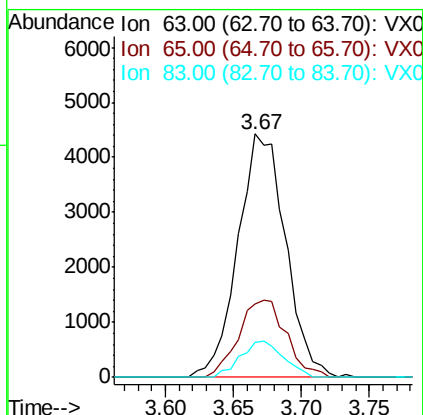
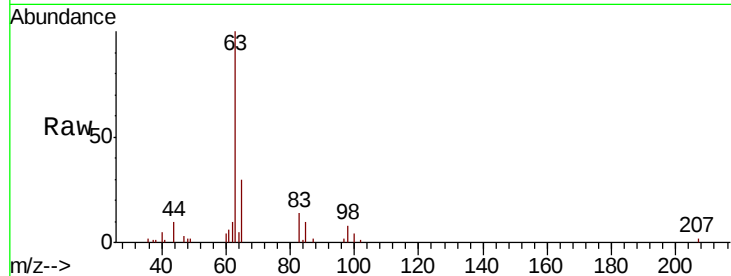




#19
 1,1-Dichloroethane
 Concen: 2.396 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

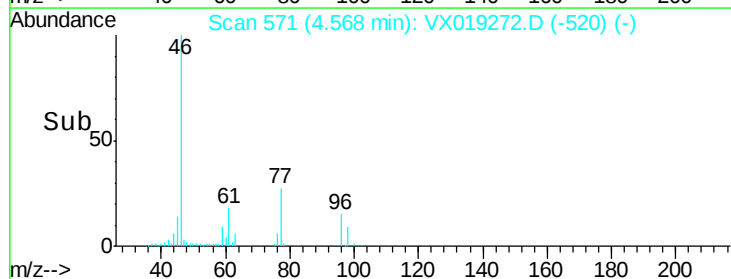
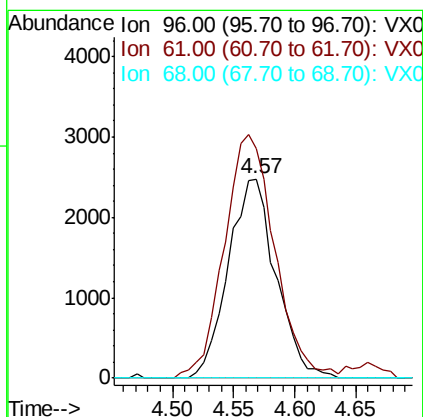
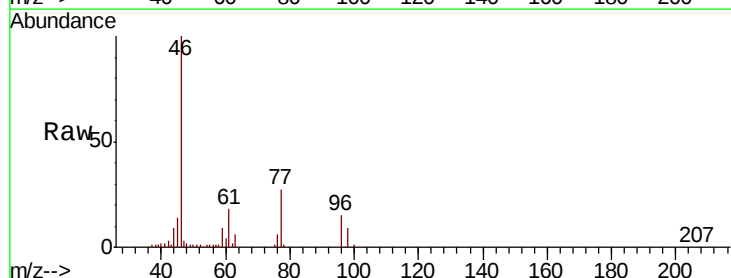
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-07

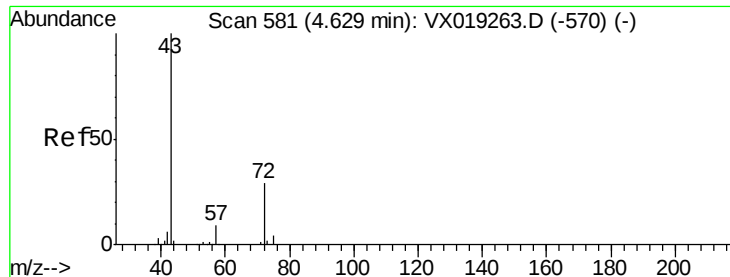
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.3	41.3
83	14.2	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 2.399 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.5	86.1	159.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.495 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

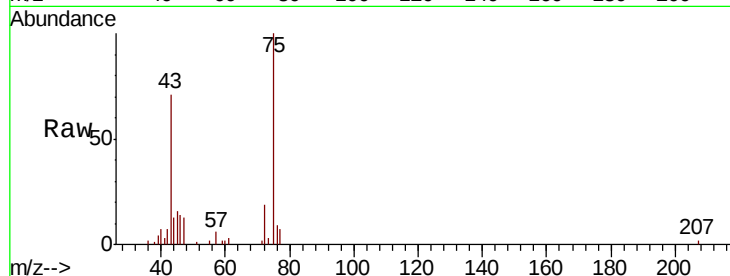
MDL-ME-SOIL-07

Tot Ion: 43 Resp: 9242

Ion Ratio Lower Upper

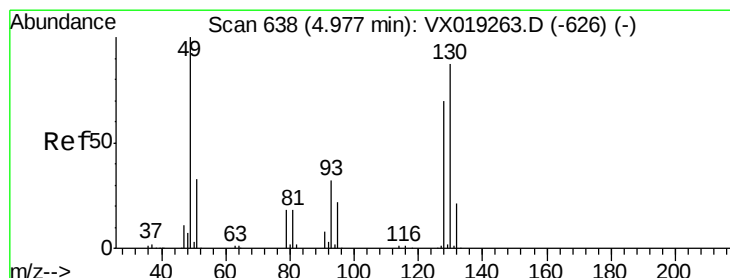
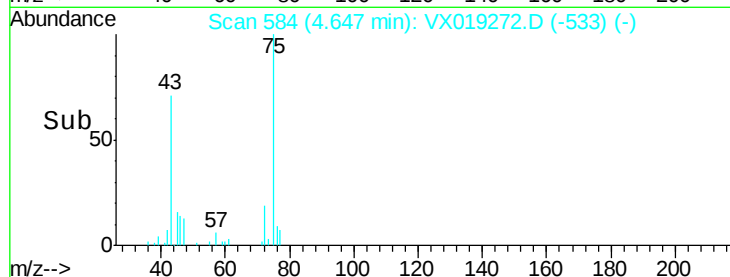
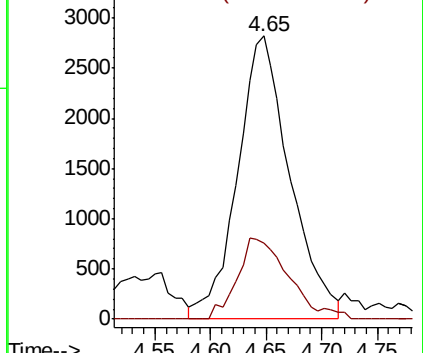
43 100

72 26.8 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 2.404 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Tgt Ion: 128 Resp: 3381

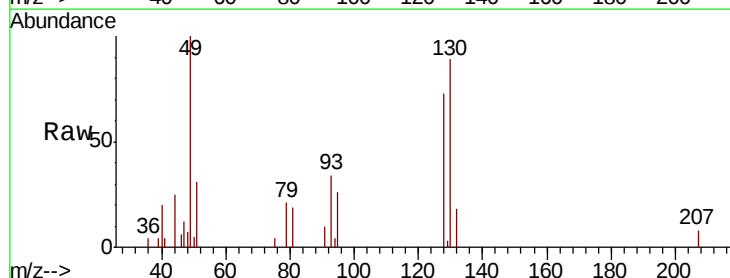
Ion Ratio Lower Upper

128 100

49 137.6 108.4 201.4

130 121.8 96.7 179.7

51 43.2 39.9 59.9

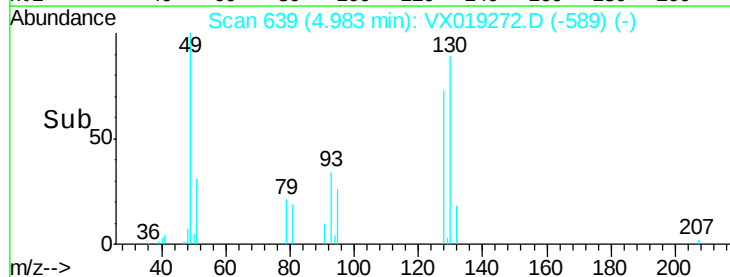
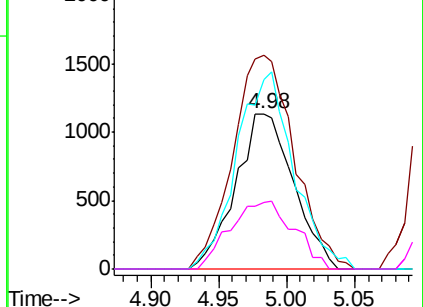


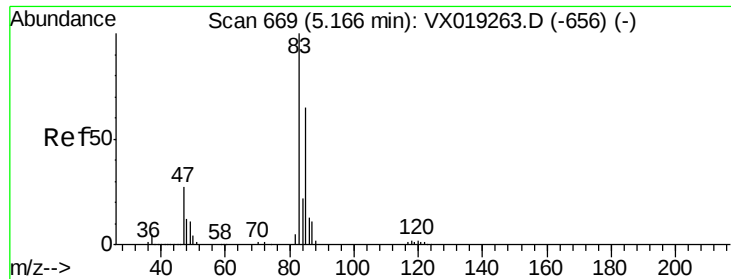
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0

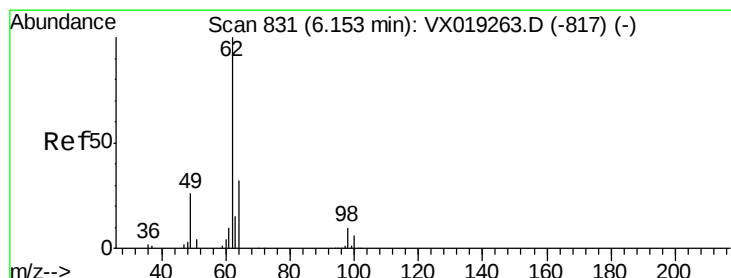
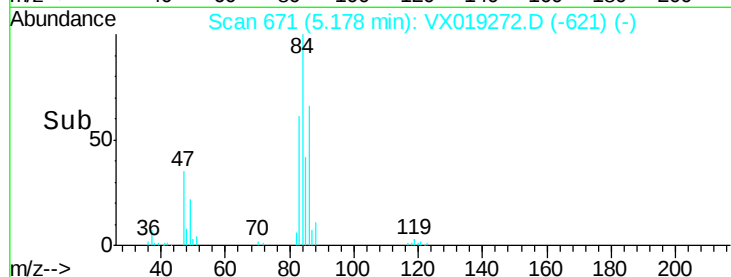
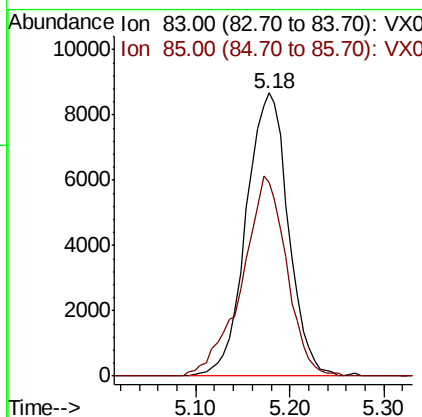
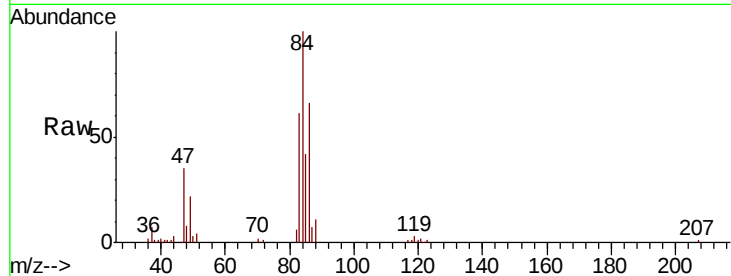




#25
Chloroform
Concen: 5.734 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

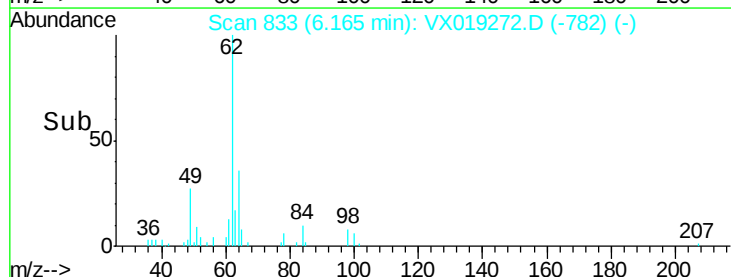
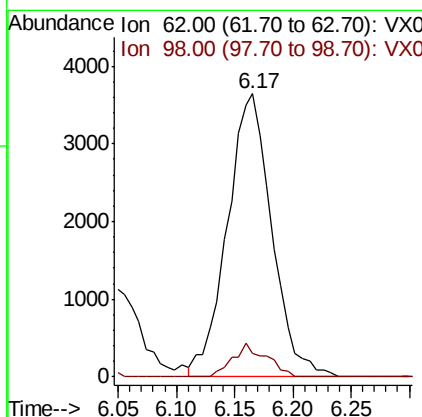
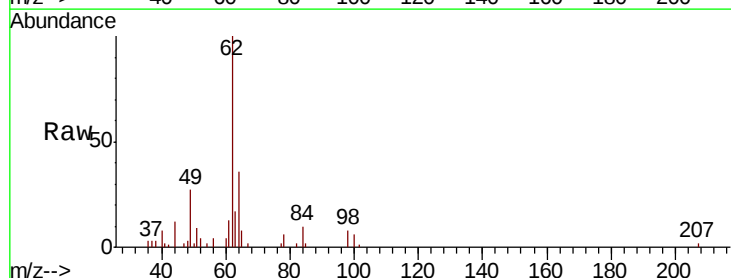
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

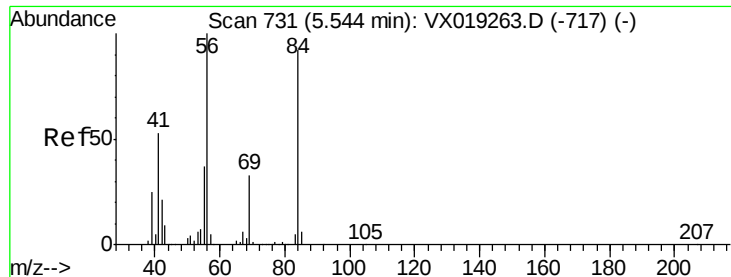
Tot Ion: 83 Resp: 27187
Ion Ratio Lower Upper
83 100
85 68.3 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.589 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 62 Resp: 9664
Ion Ratio Lower Upper
62 100
98 8.3 7.6 11.4

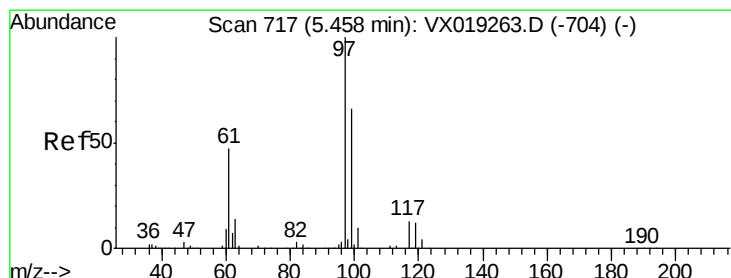
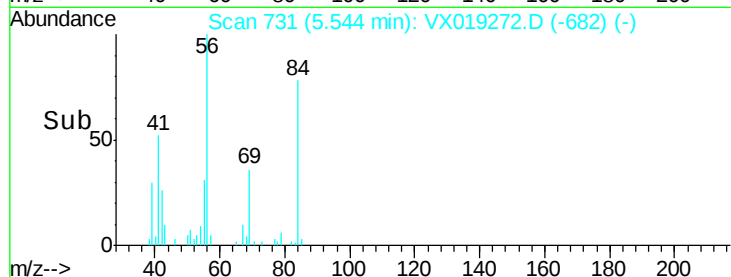
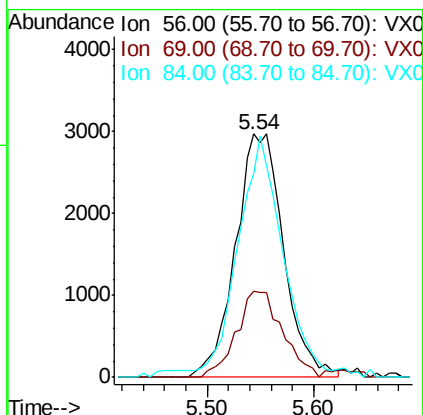
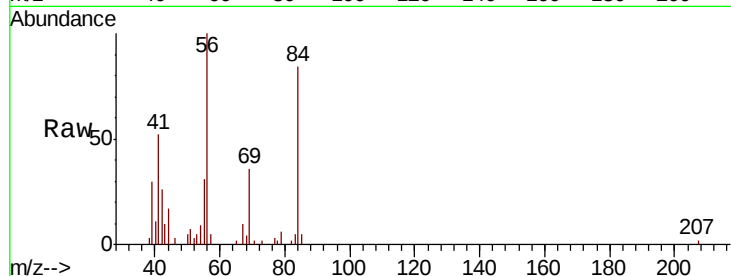




#29
Cyclohexane
Concen: 2.271 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

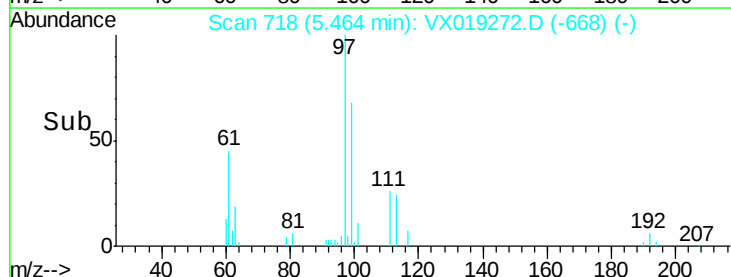
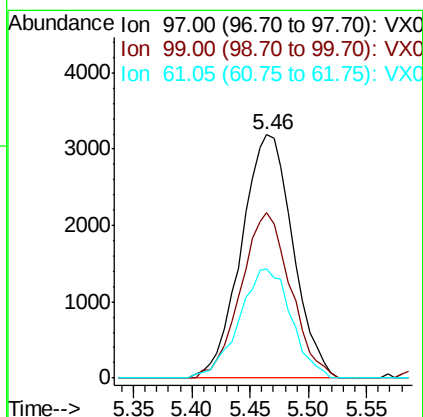
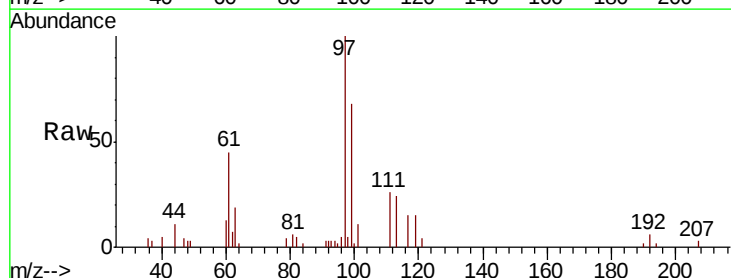
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

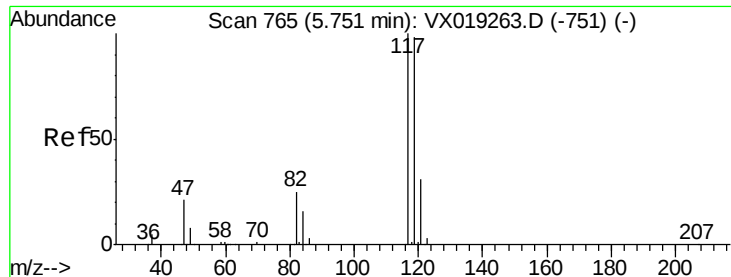
Tot Ion: 56 Resp: 9416
Ion Ratio Lower Upper
56 100
69 33.6 25.2 37.8
84 90.4 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 2.252 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 97 Resp: 9777
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.6
61 45.2 34.8 52.2

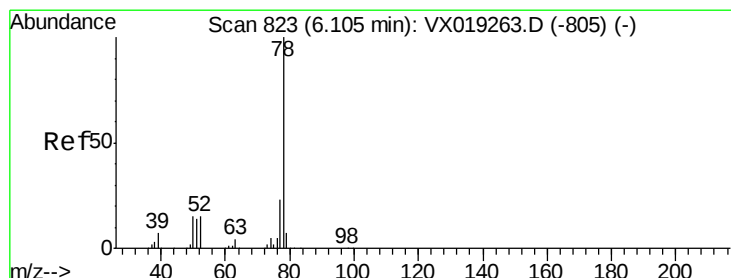
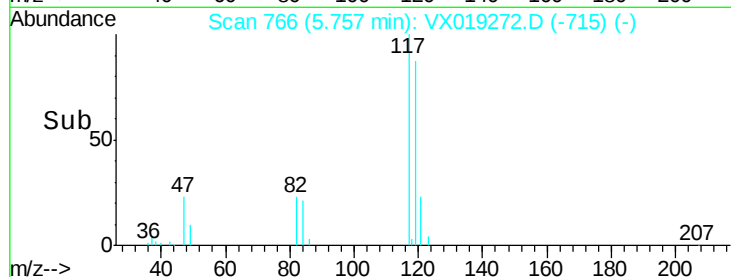
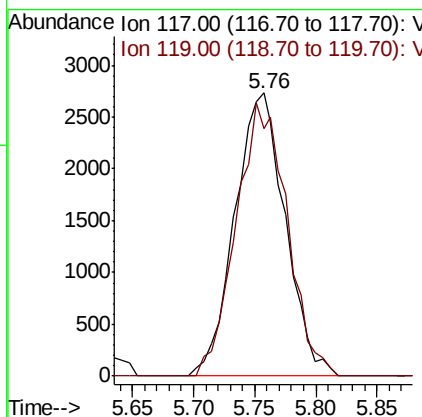
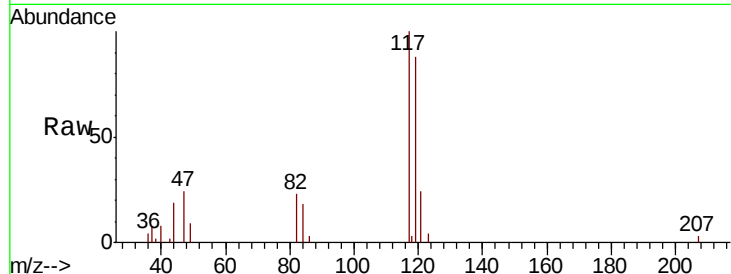




#31
Carbon tetrachloride
Concen: 2.101 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

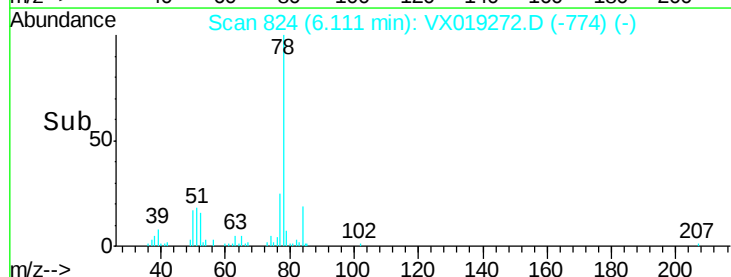
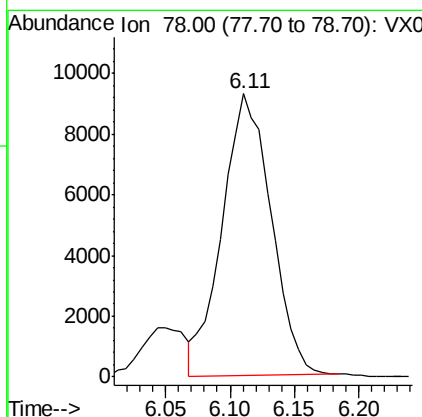
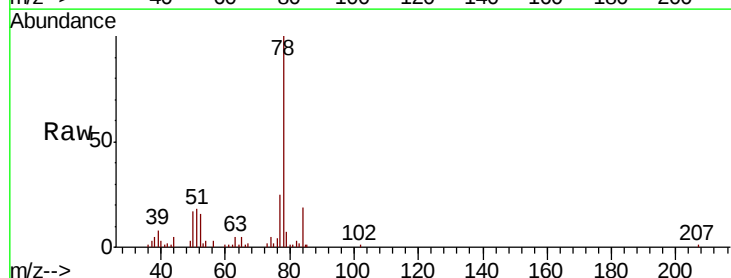
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

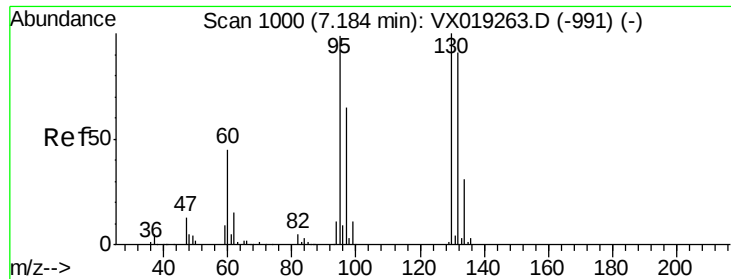
Tot Ion:117 Resp: 7839
Ion Ratio Lower Upper
117 100
119 97.4 76.9 115.3



#33
Benzene
Concen: 2.372 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 78 Resp: 24529

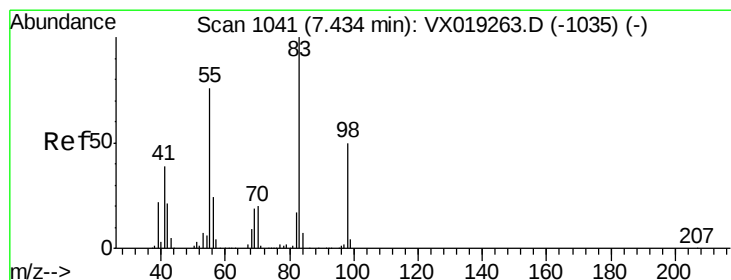
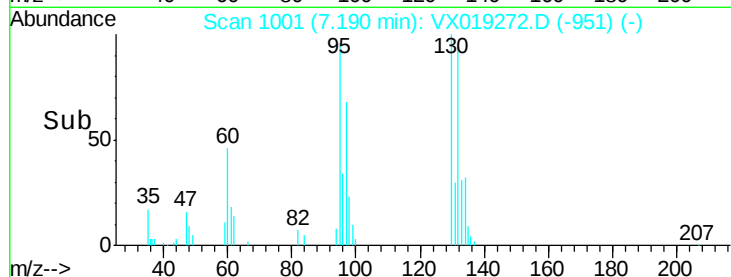
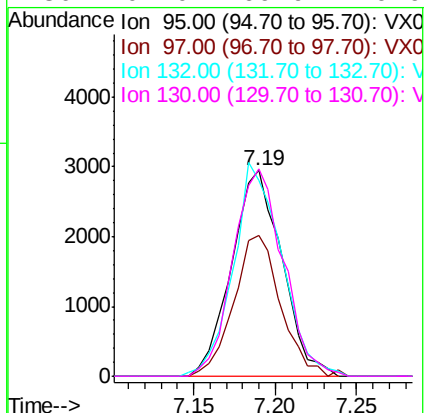
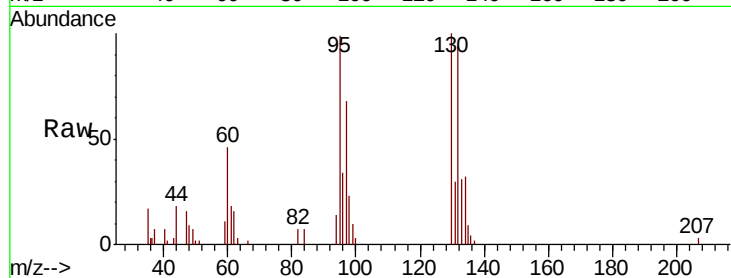




#34
 Trichloroethene
 Concen: 2.242 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

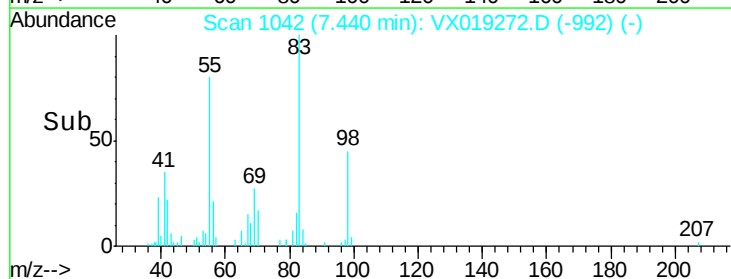
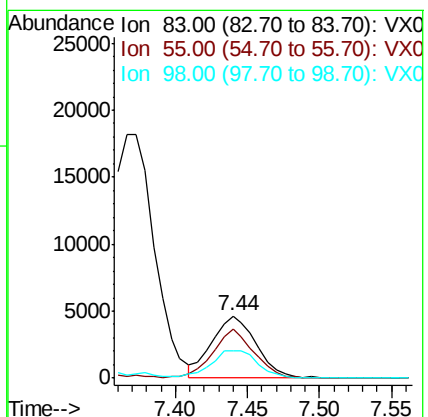
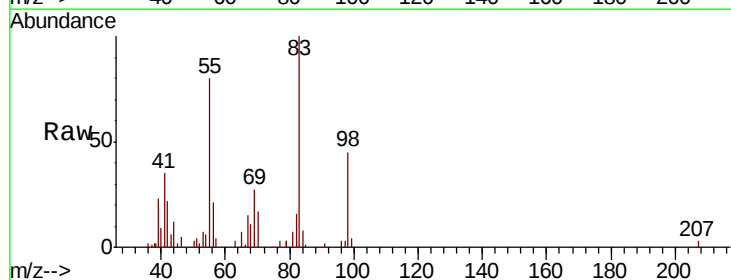
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-07

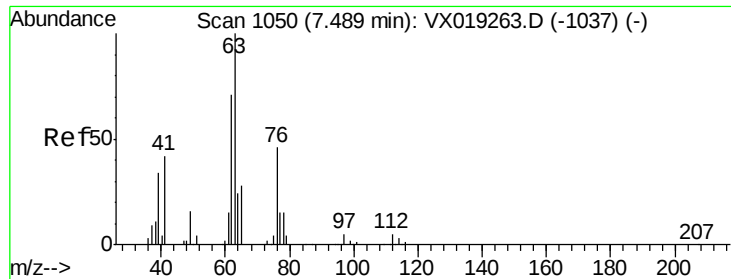
Tot Ion: 95 Resp: 6329
 Ion Ratio Lower Upper
 95 100
 97 68.4 45.1 83.9
 132 95.4 67.3 124.9
 130 101.0 69.9 129.9



#35
 Methylcyclohexane
 Concen: 2.233 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

Tgt Ion: 83 Resp: 9977
 Ion Ratio Lower Upper
 83 100
 55 74.0 58.6 87.8
 98 47.1 39.0 58.6

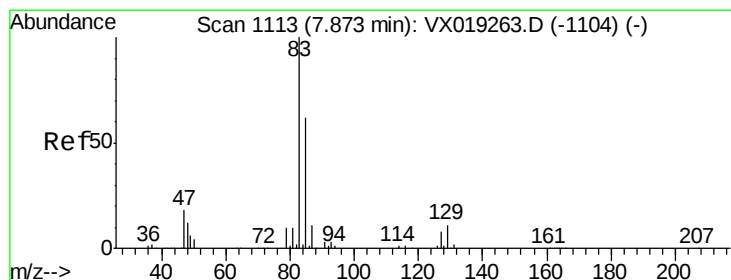
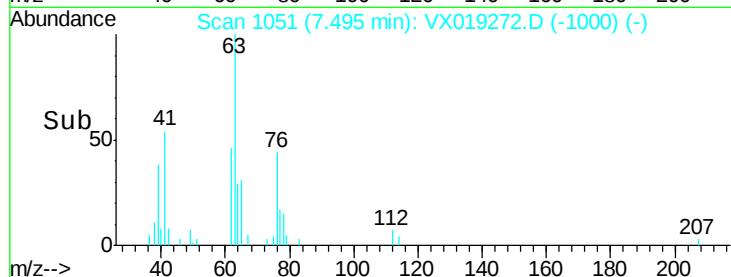
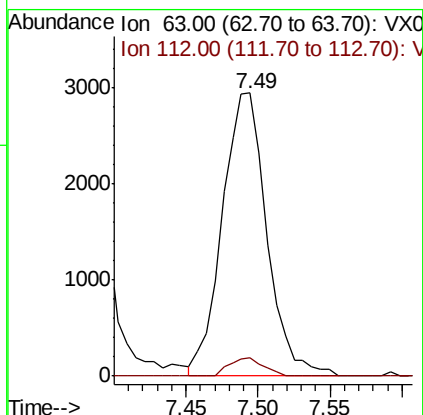
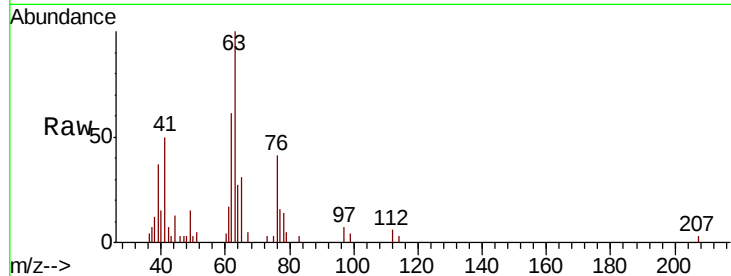




#37
 1,2-Dichloropropane
 Concen: 2.481 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

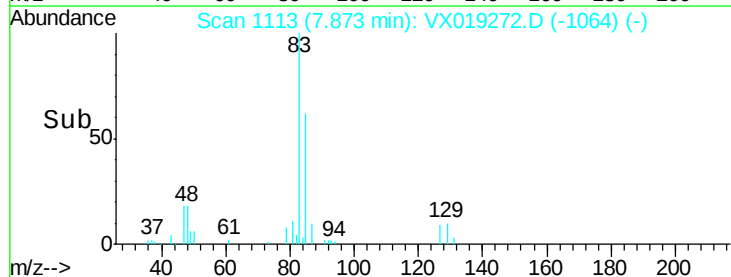
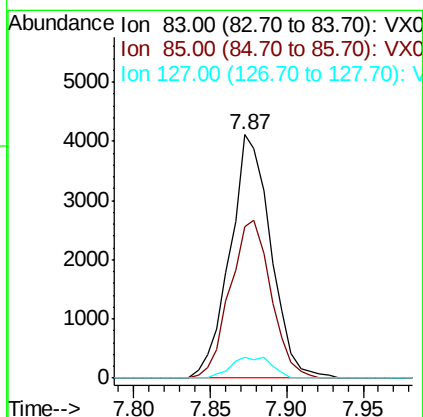
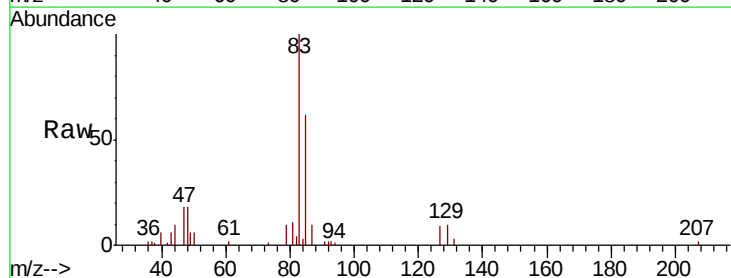
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-07

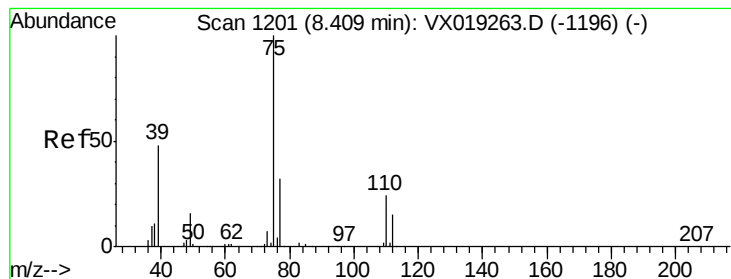
Tot Ion: 63 Resp: 6372
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 2.131 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

Tgt Ion: 83 Resp: 7614
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.6 82.8
 127 8.5 6.8 10.2



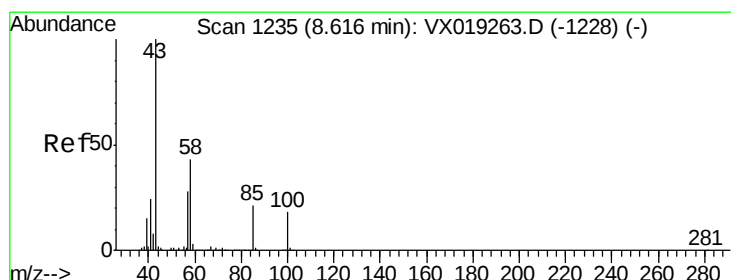
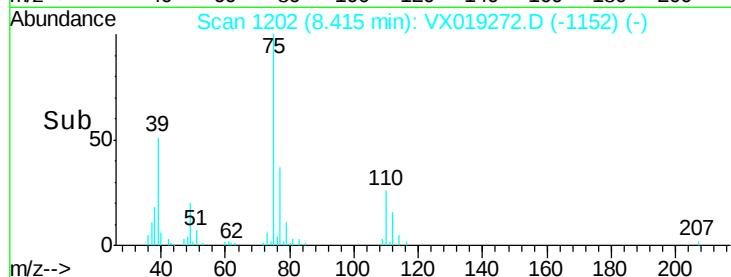
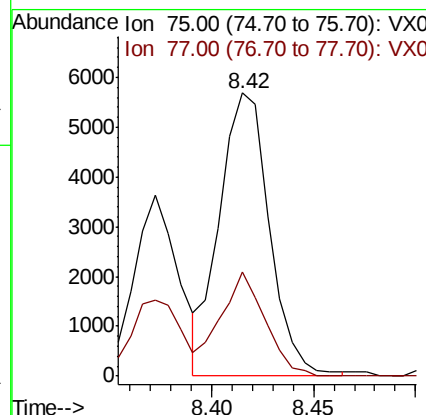
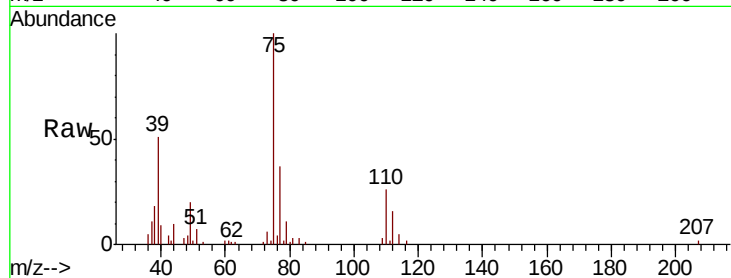


#39

cis-1,3-Dichloropropene
Concen: 2.265 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

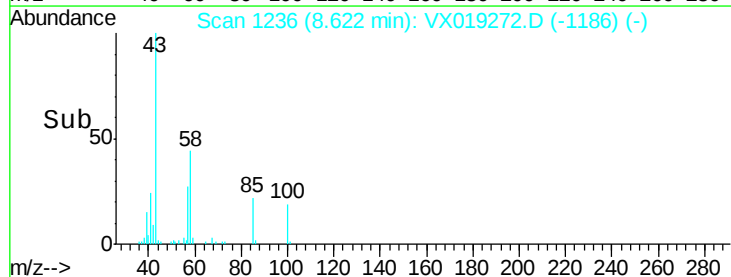
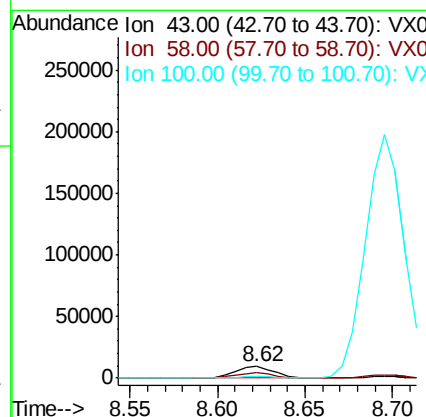
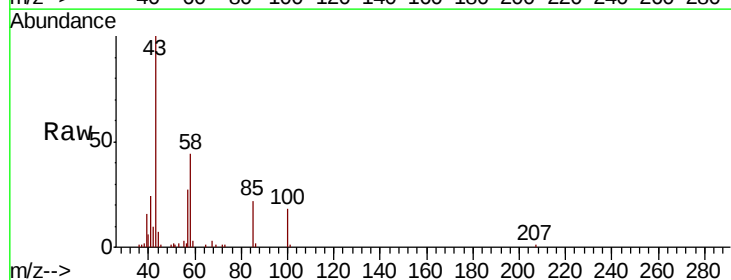
Tot Ion: 75 Resp: 9665
Ion Ratio Lower Upper
75 100
77 36.6 22.5 41.7

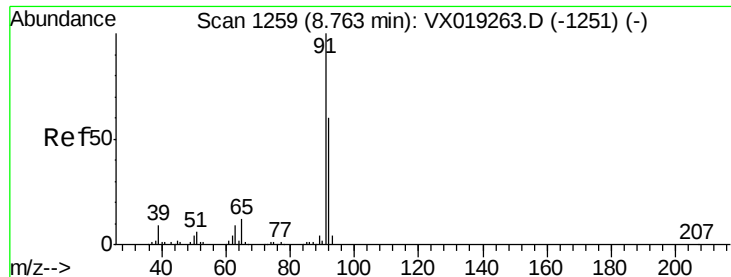


#40

4-Methyl-2-pentanone
Concen: 4.896 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 43 Resp: 15380
Ion Ratio Lower Upper
43 100
58 43.0 34.1 51.1
100 17.1 14.8 22.2





#42

Toluene

Concen: 2.919 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

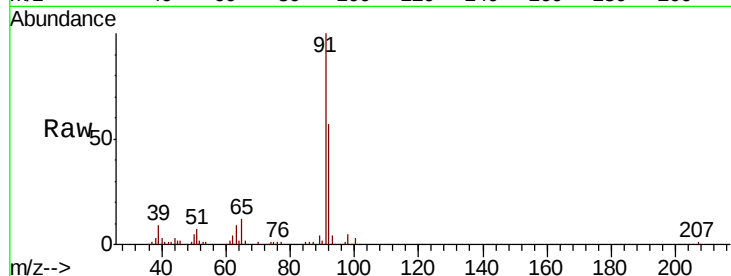
MDL-ME-SOIL-07

Tot Ion: 91 Resp: 32833

Ion Ratio Lower Upper

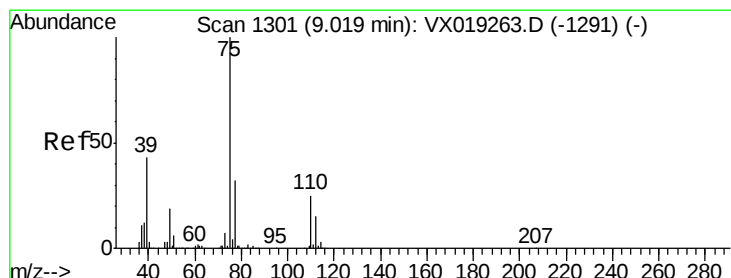
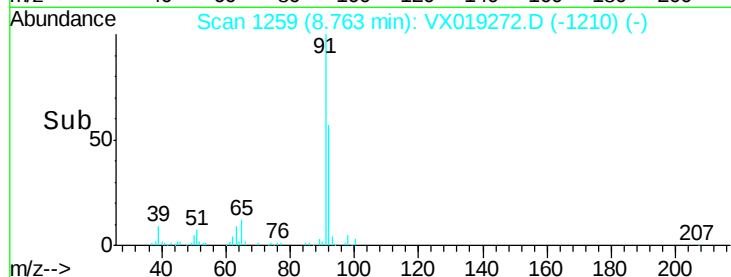
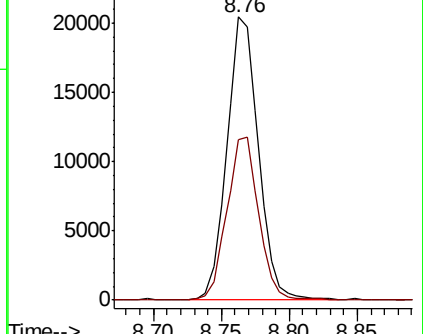
91 100

92 56.7 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#44

trans-1,3-Dichloropropene

Concen: 2.310 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019272.D

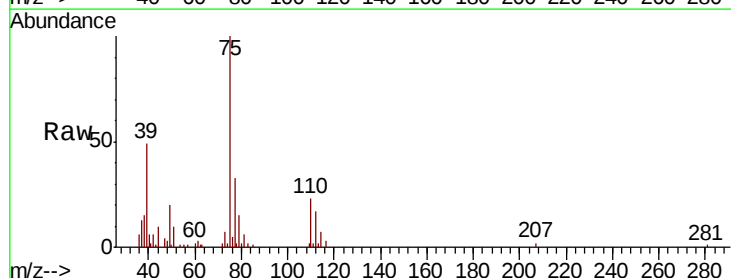
Acq: 04 Nov 2020 15:01

Tgt Ion: 75 Resp: 9606

Ion Ratio Lower Upper

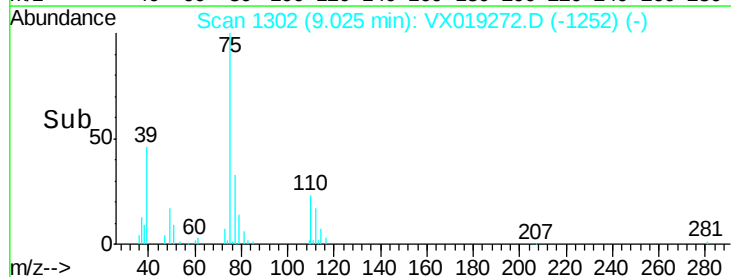
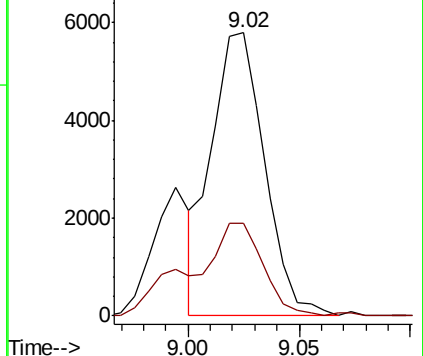
75 100

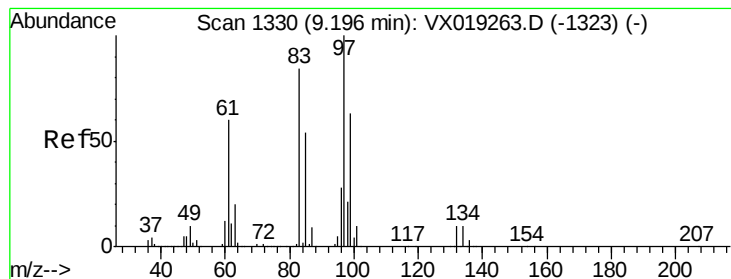
77 32.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#45

1,1,2-Trichloroethane

Concen: 2.298 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-07

Tot Ion: 97 Resp: 5799

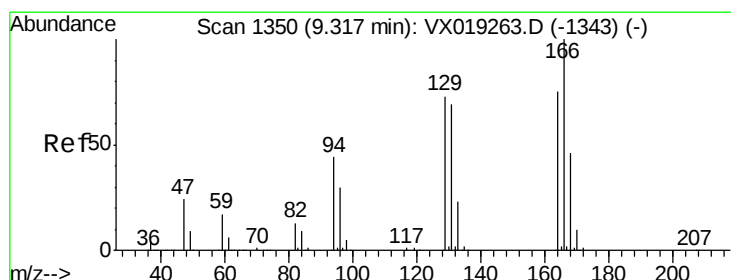
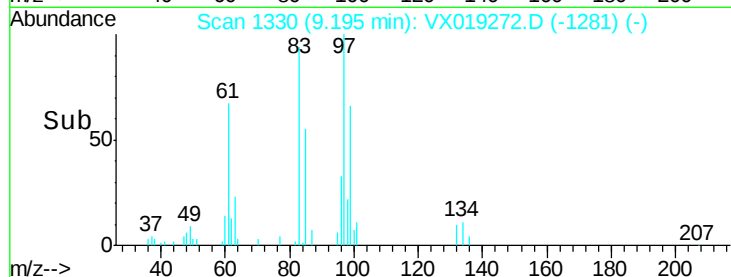
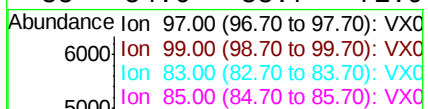
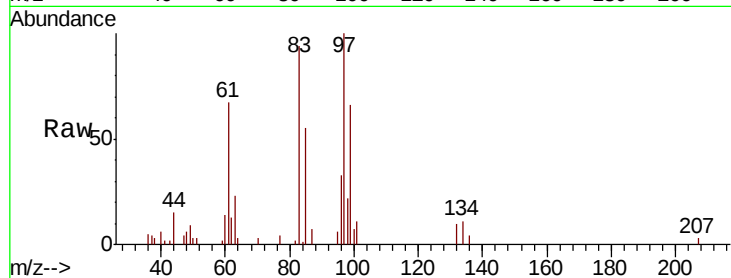
Ion Ratio Lower Upper

97 100

99 65.6 43.3 80.3

83 93.8 59.4 110.4

85 54.6 38.7 71.9



#46

Tetrachloroethene

Concen: 2.171 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Tgt Ion: 164 Resp: 4624

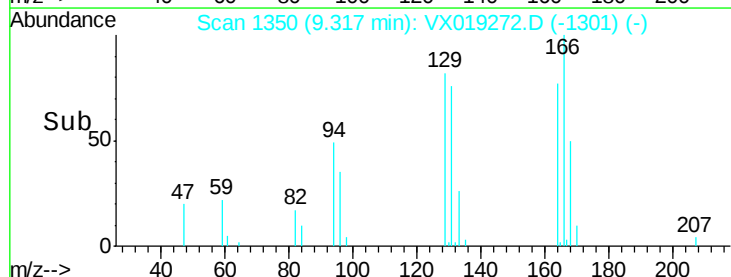
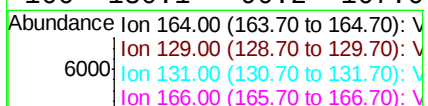
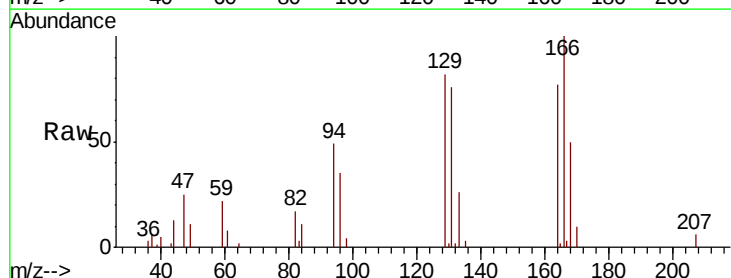
Ion Ratio Lower Upper

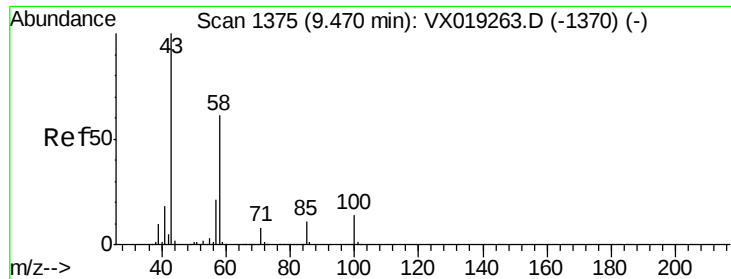
164 100

129 106.7 65.2 121.2

131 98.9 62.5 116.1

166 130.1 90.2 167.6

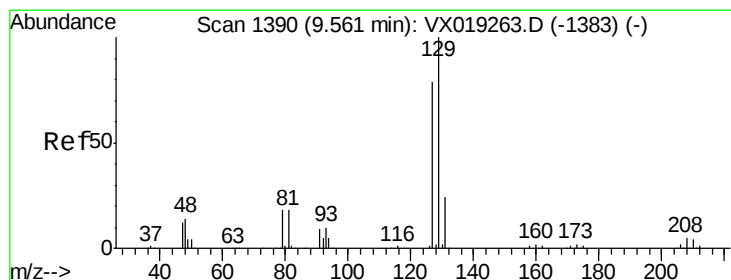
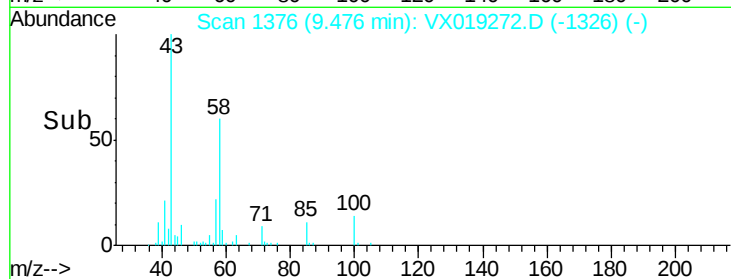
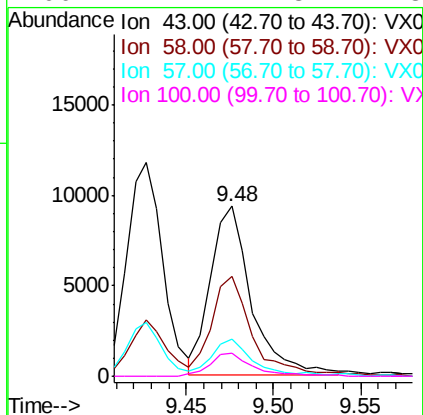
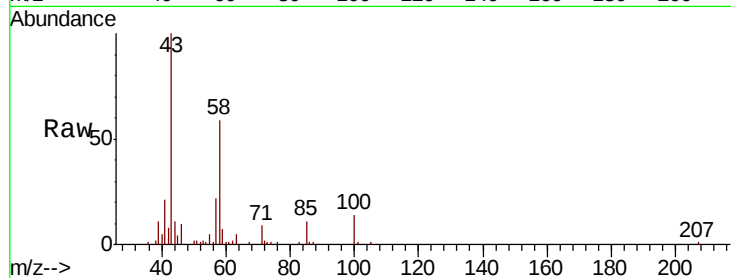




#48
2-Hexanone
Concen: 6.123 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

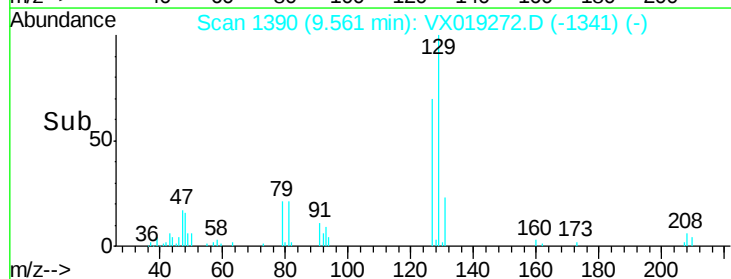
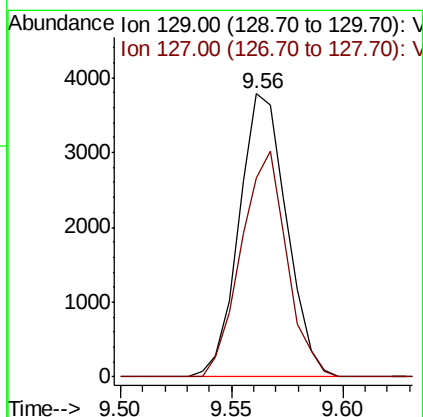
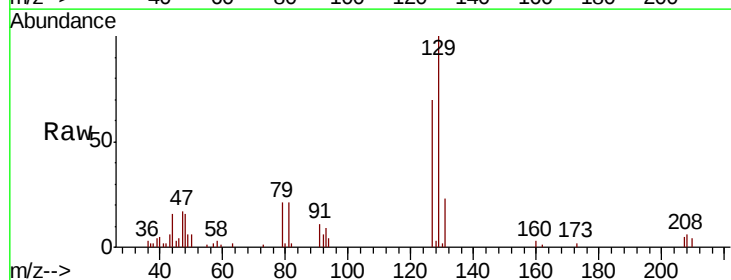
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

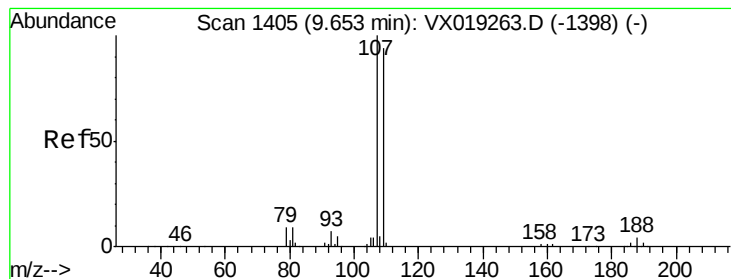
Tot Ion: 43 Resp: 15157
Ion Ratio Lower Upper
43 100
58 60.5 48.2 72.2
57 21.2 17.1 25.7
100 14.4 11.8 17.8



#49
Dibromochloromethane
Concen: 2.044 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion: 129 Resp: 5643
Ion Ratio Lower Upper
129 100
127 70.2 54.0 100.2





#50

1,2-Dibromoethane

Concen: 2.431 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-07

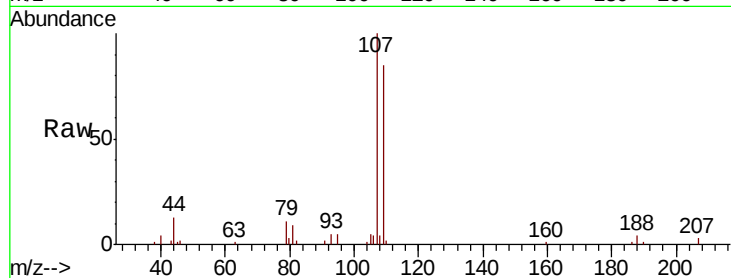
Tot Ion:107 Resp: 6415

Ion Ratio Lower Upper

107 100

109 85.1 68.1 126.5

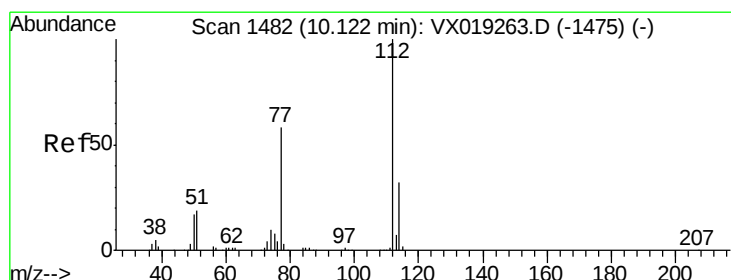
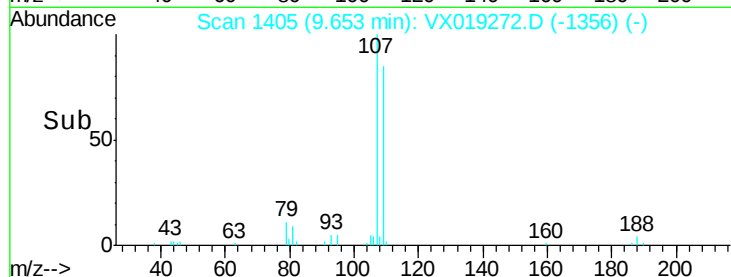
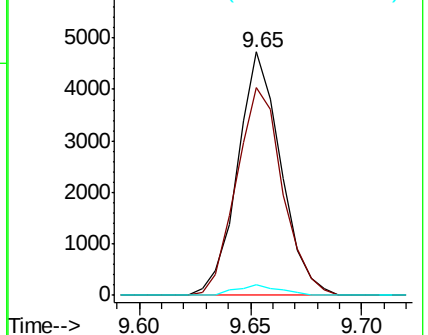
188 4.3 3.0 4.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 2.378 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

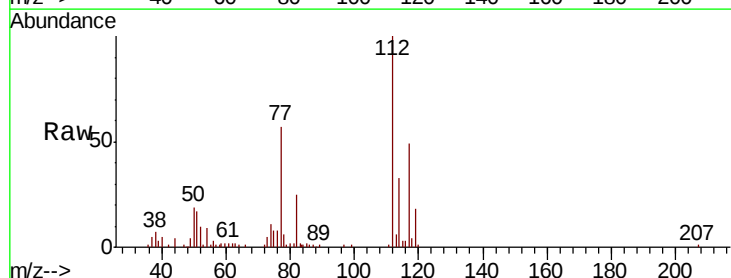
Tgt Ion:112 Resp: 16637

Ion Ratio Lower Upper

112 100

114 32.5 22.2 41.2

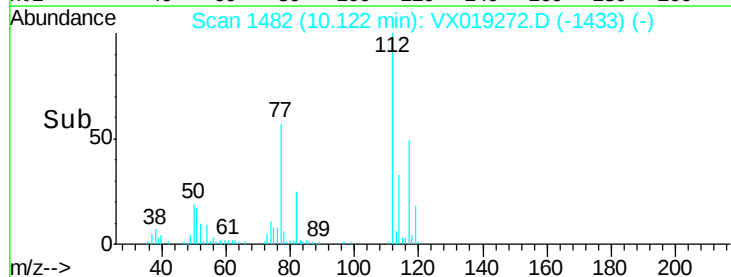
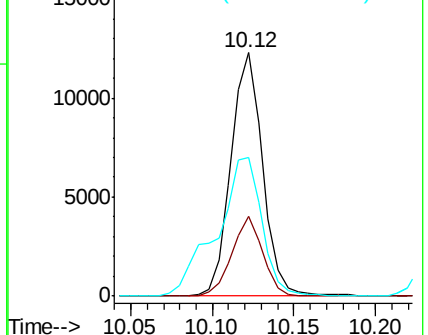
77 57.0 46.2 69.4

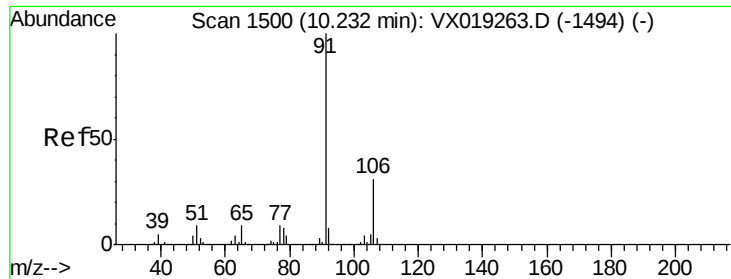


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 2.284 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

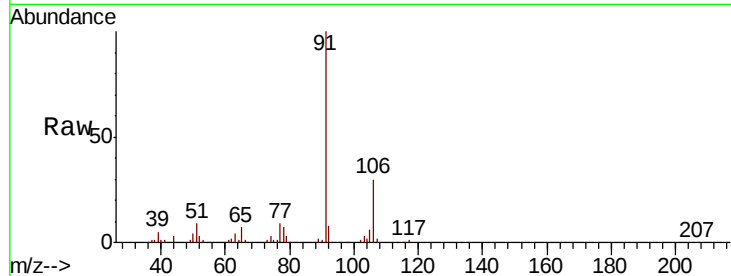
MDL-ME-SOIL-07

Tot Ion: 91 Resp: 27776

Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VX019272.D (-1451) (-)

Ion 106.00 (105.70 to 106.70): VX019272.D (-1451) (-)

10.24

20000

15000

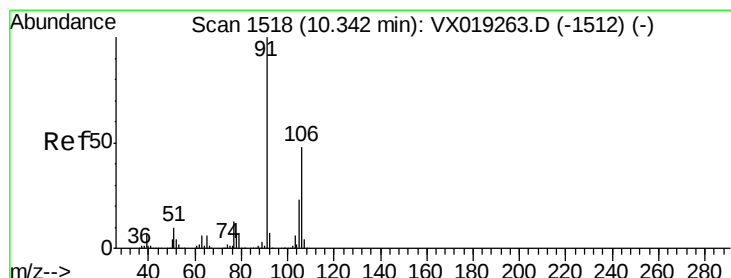
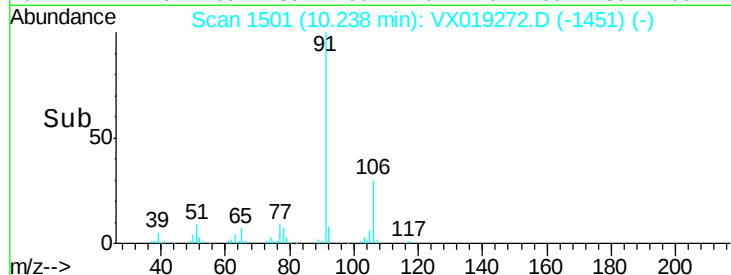
10000

5000

0

Time-->

10.20 10.25 10.30



#53

m,p-Xylene

Concen: 2.303 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019272.D

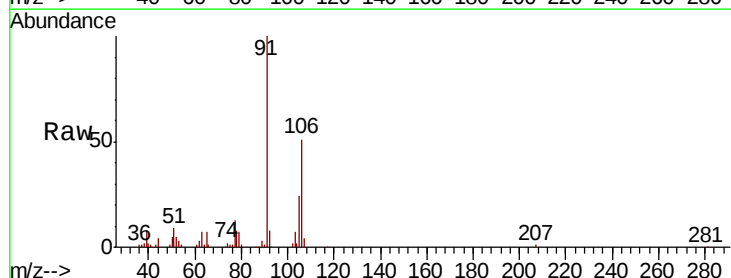
Acq: 04 Nov 2020 15:01

Tgt Ion: 106 Resp: 10523

Ion Ratio Lower Upper

106 100

91 196.2 144.2 267.8



Abundance Ion 106.00 (105.70 to 106.70): VX019272.D (-1469) (-)

Ion 91.00 (90.70 to 91.70): VX019272.D (-1469) (-)

10.34

15000

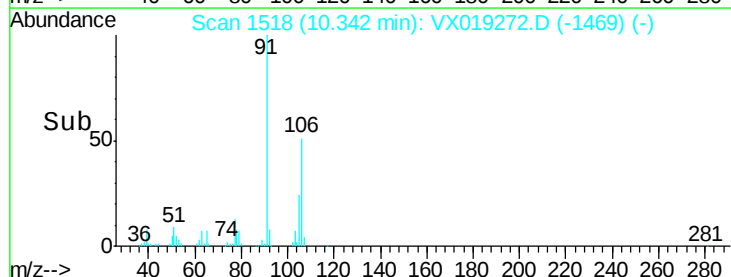
10000

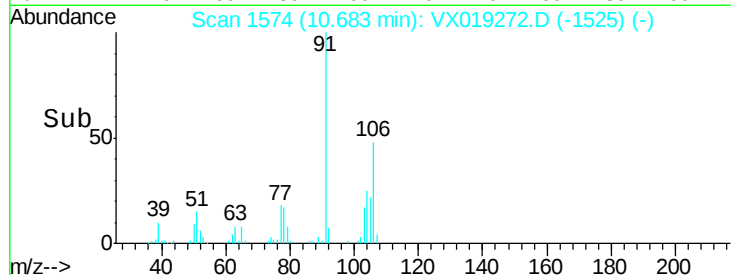
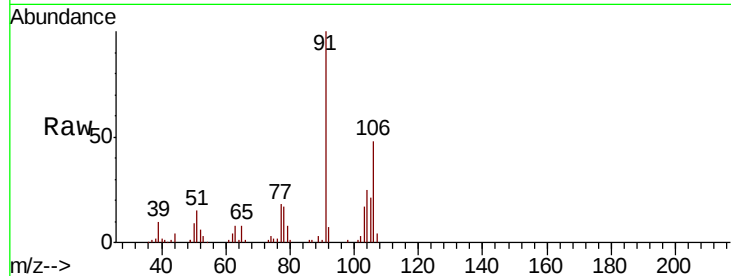
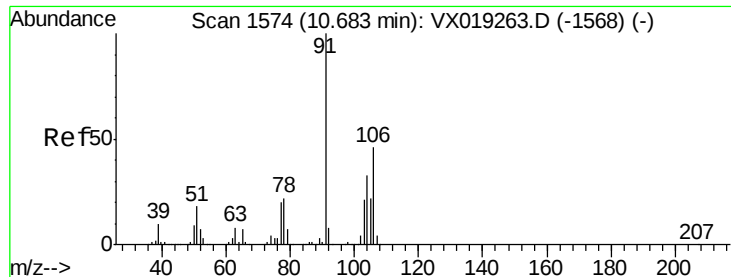
5000

0

Time-->

10.30 10.35 10.40

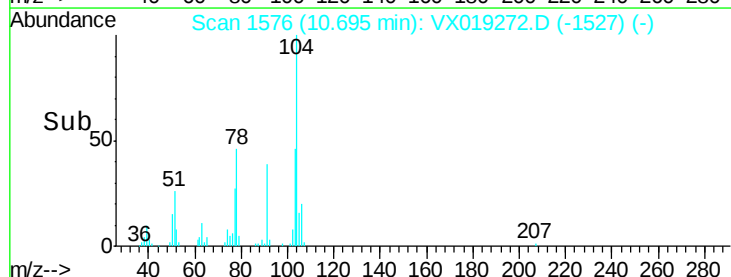
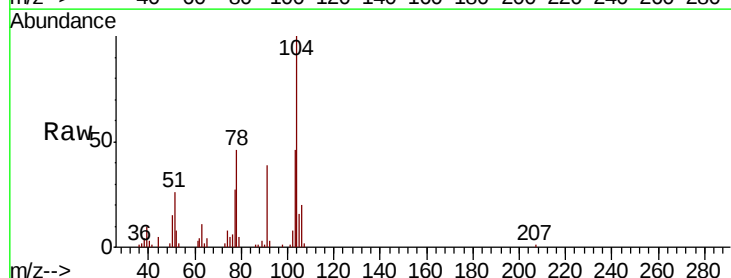
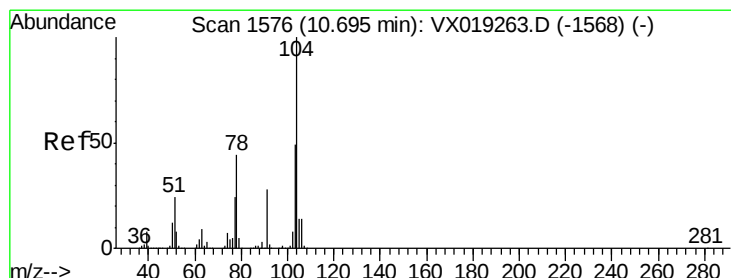
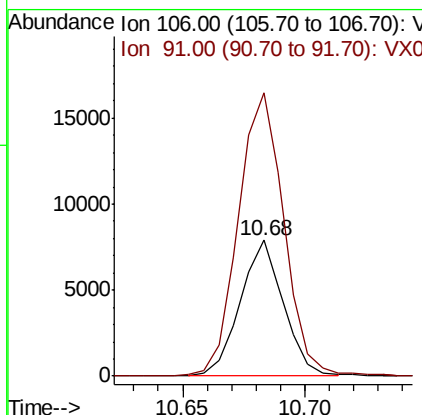




#54
o-Xylene
Concen: 2.191 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

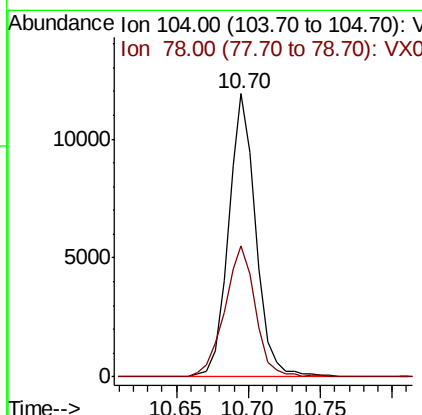
Instrument :
MSVOA_X
ClientSampled :
MDL-ME-SOIL-07

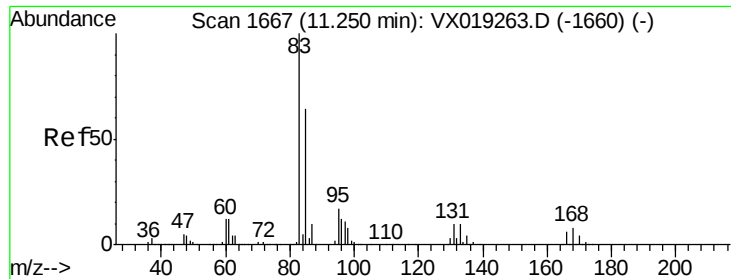
Tot Ion:106 Resp: 9693
Ion Ratio Lower Upper
106 100
91 208.2 153.3 284.7



#55
Styrene
Concen: 2.119 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion:104 Resp: 15810
Ion Ratio Lower Upper
104 100
78 46.1 30.9 57.5

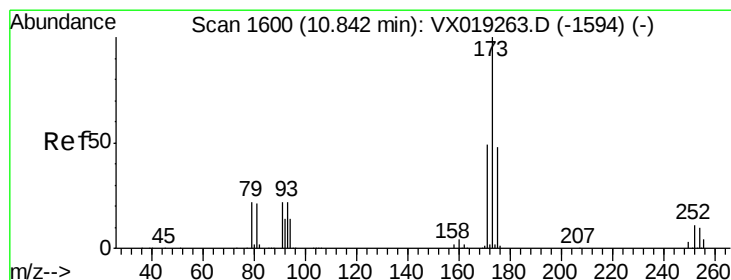
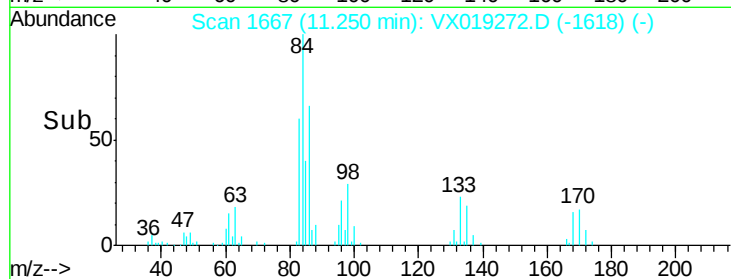
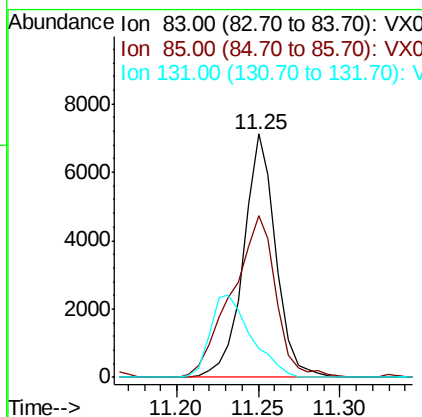
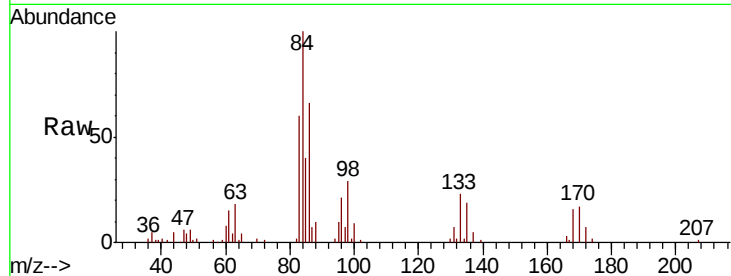




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.845 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

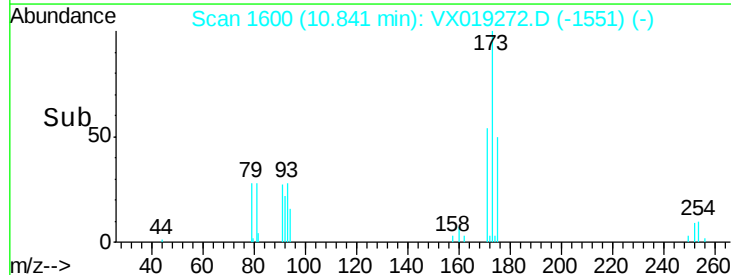
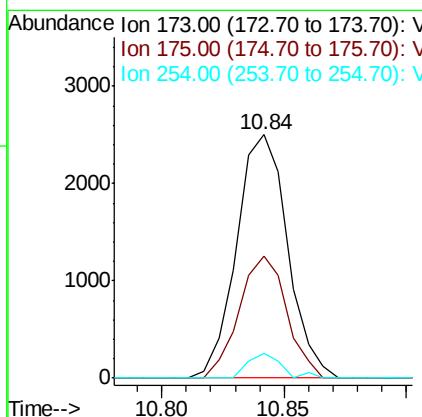
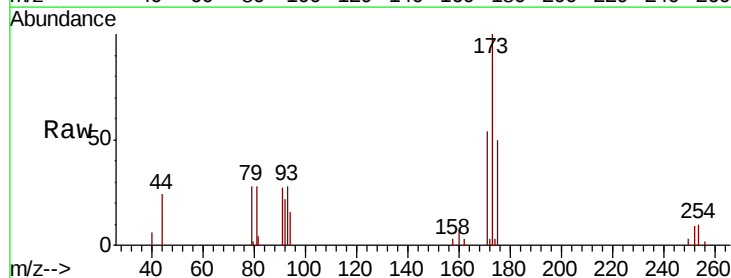
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-07

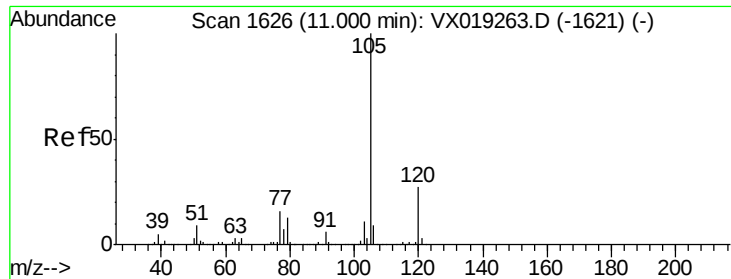
Tot Ion: 83 Resp: 9841
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.9 85.3
 131 11.5 7.7 11.5



#59
 Bromoform
 Concen: 1.921 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

Tgt Ion: 173 Resp: 3618
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.7 59.5
 254 6.2 8.2 12.4#

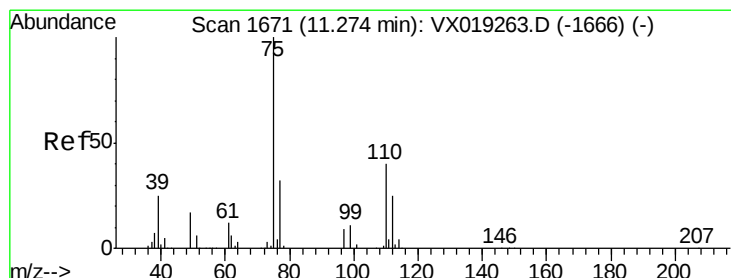
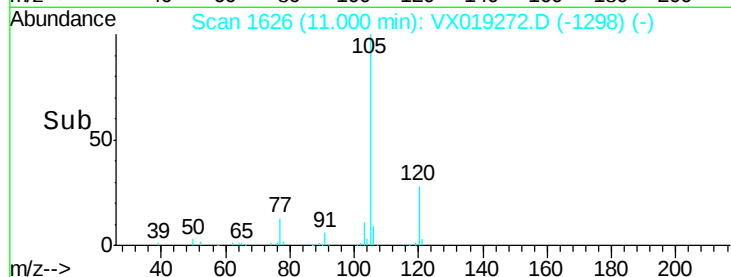
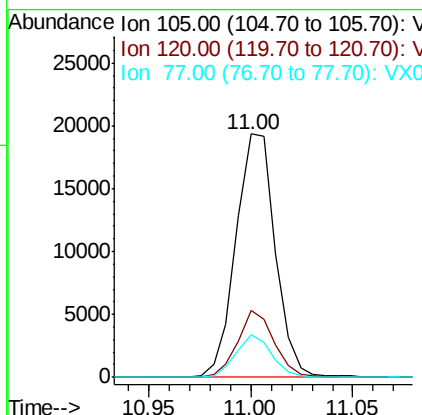
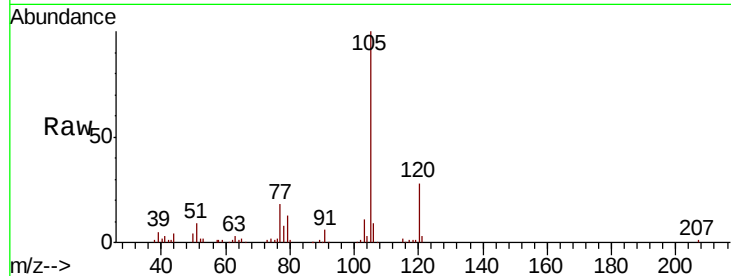




#60
Isopropylbenzene
Concen: 2.197 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

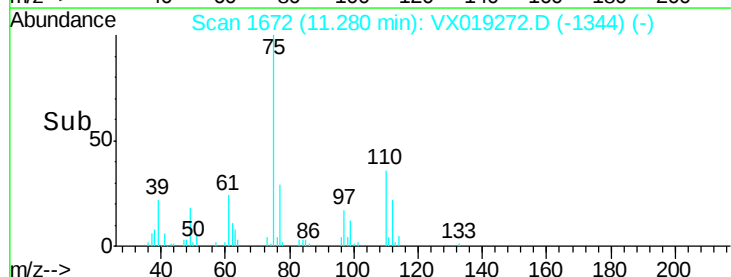
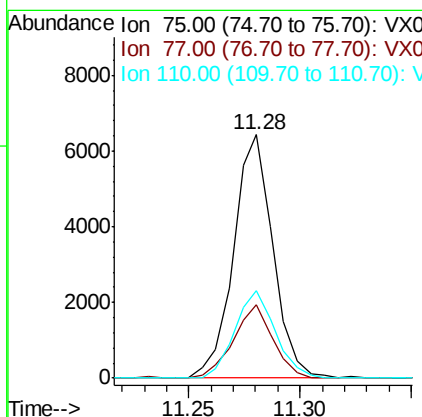
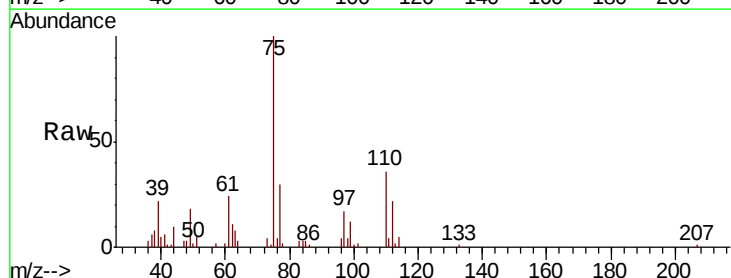
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

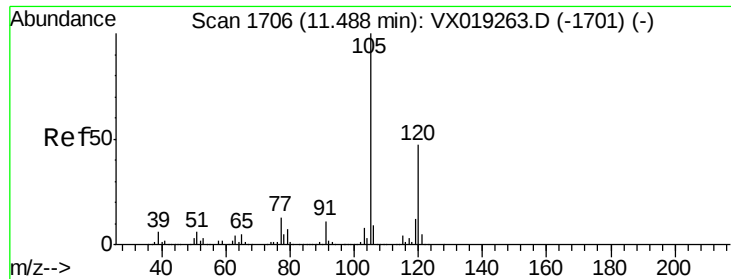
Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.1	31.7
77	15.8	12.6	19.0



#61
1,2,3-Trichloropropane
Concen: 2.665 ug/L
RT: 11.28 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0
110	37.1	32.2	48.2





#62

1,3,5-Trimethylbenzene

Concen: 2.023 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

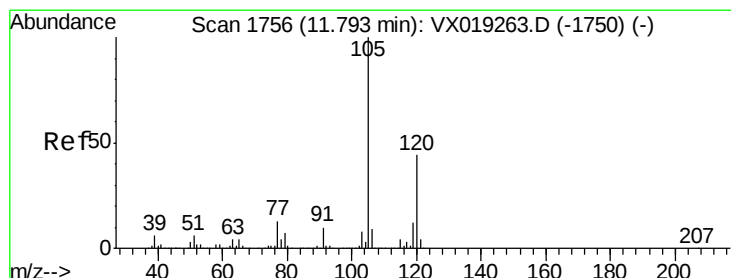
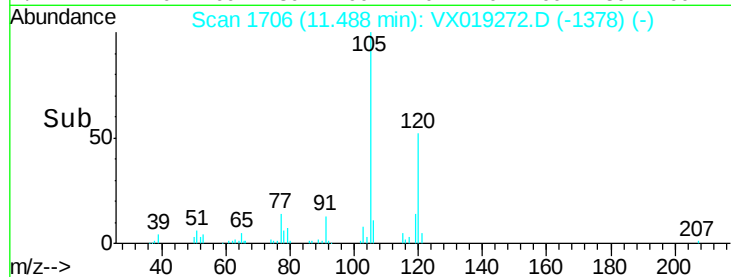
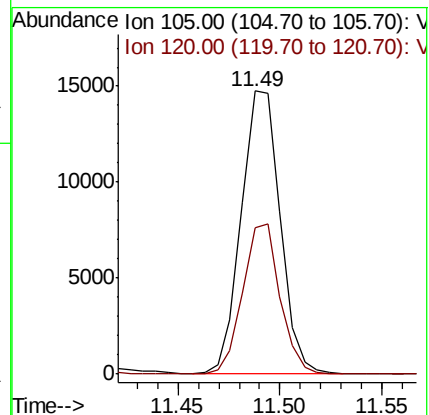
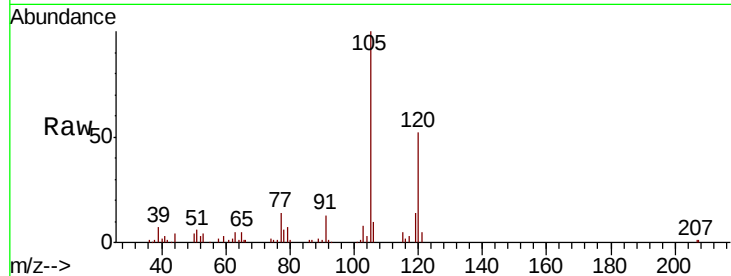
MDL-ME-SOIL-07

Tot Ion:105 Resp: 19636

Ion Ratio Lower Upper

105 100

120 50.2 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 2.160 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019272.D

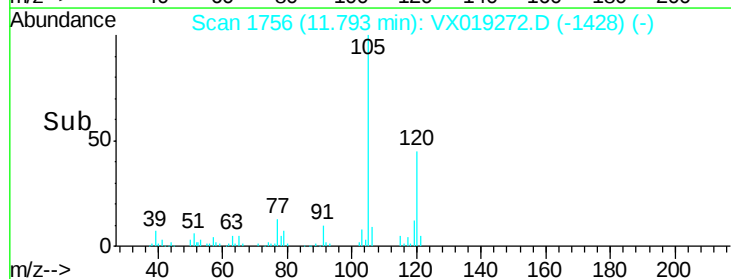
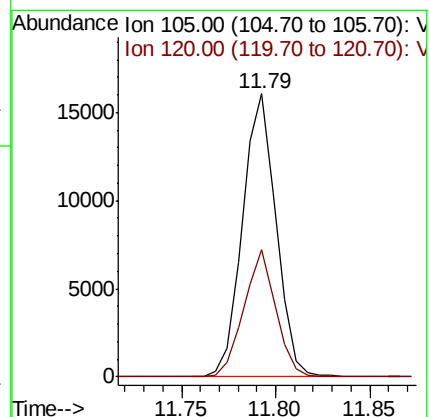
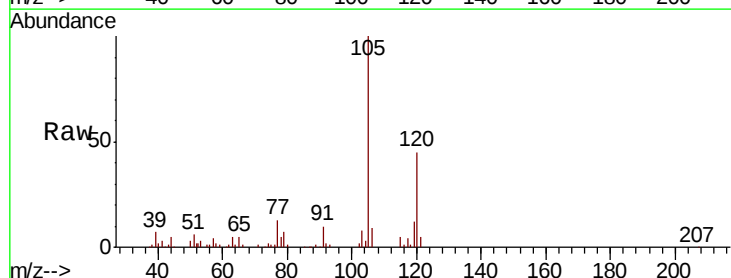
Acq: 04 Nov 2020 15:01

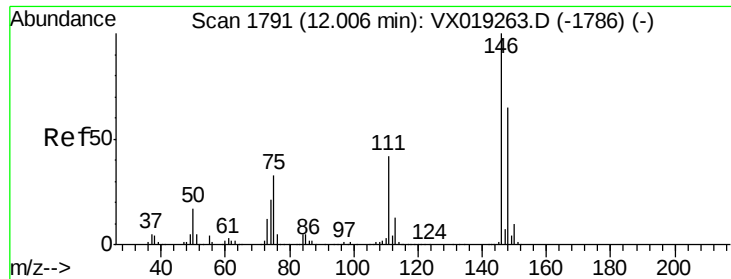
Tgt Ion:105 Resp: 19834

Ion Ratio Lower Upper

105 100

120 42.7 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 2.303 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-07

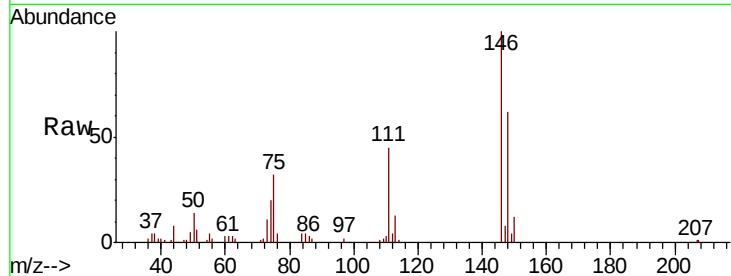
Tot Ion:146 Resp: 11731

Ion Ratio Lower Upper

146 100

111 45.4 29.7 55.1

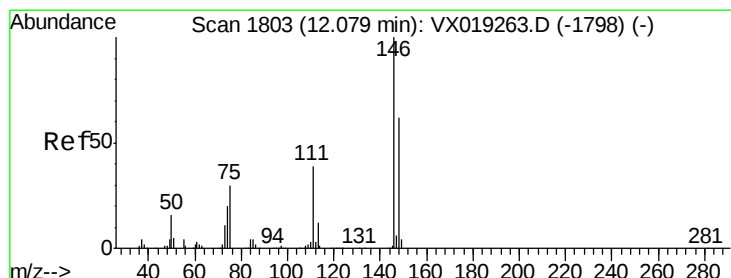
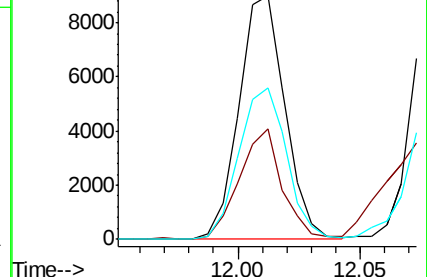
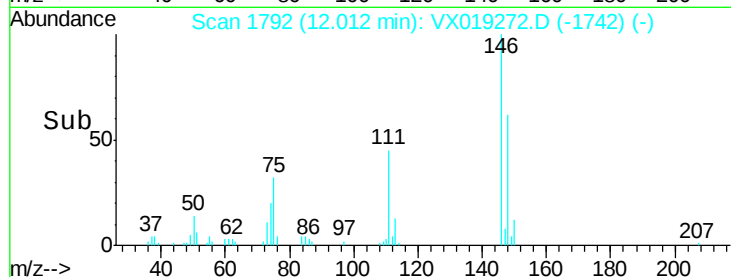
148 62.0 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 2.494 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019272.D

Acq: 04 Nov 2020 15:01

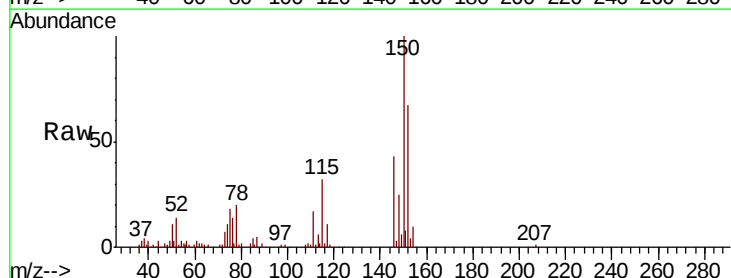
Tgt Ion:146 Resp: 12890

Ion Ratio Lower Upper

146 100

111 38.8 28.1 52.3

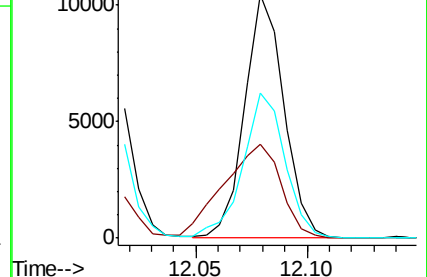
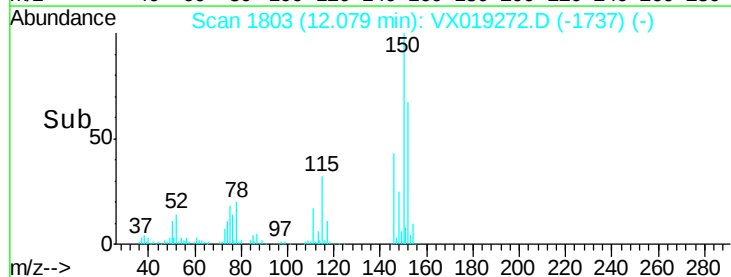
148 59.4 43.8 81.4

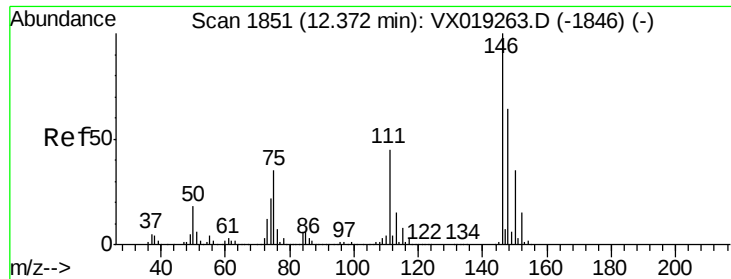


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

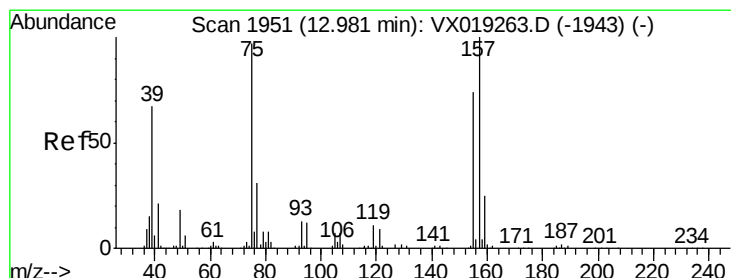
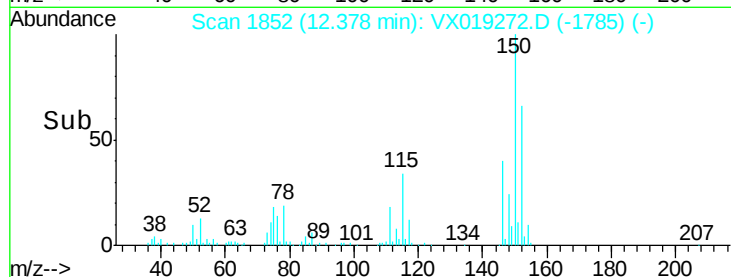
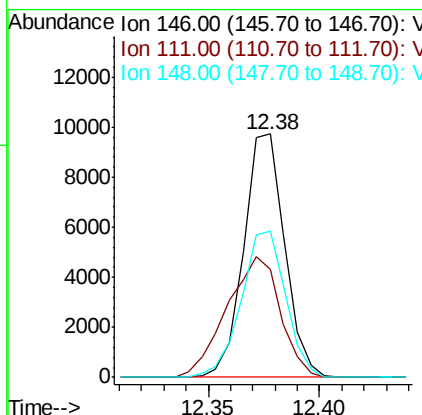
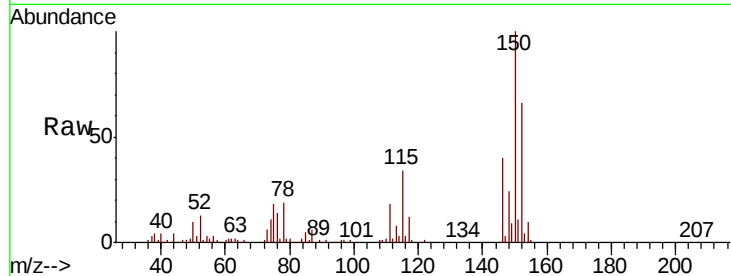




#67
 1,2-Dichlorobenzene
 Concen: 2.542 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

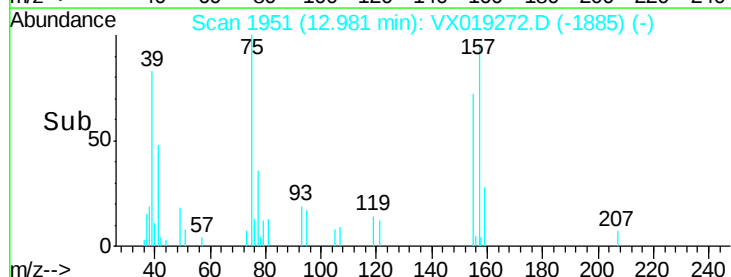
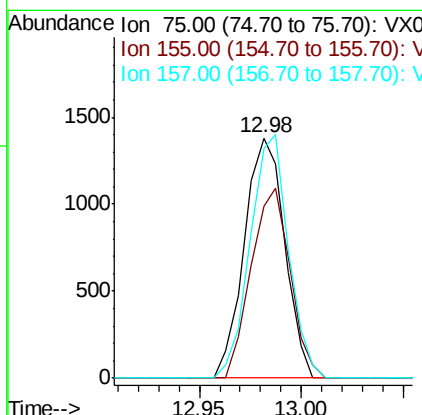
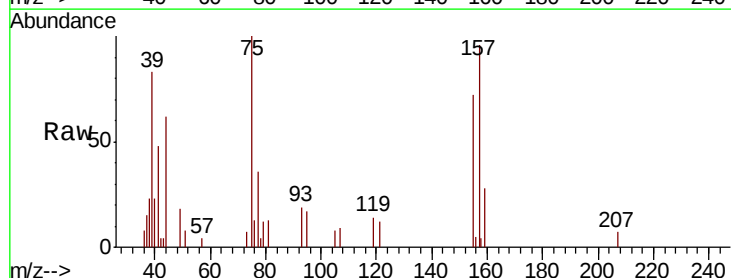
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-07

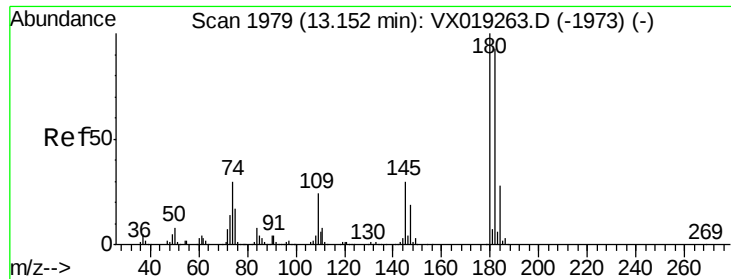
Tot Ion:146 Resp: 12536
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.9 53.9
 148 60.3 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.350 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

Tgt Ion: 75 Resp: 1895
 Ion Ratio Lower Upper
 75 100
 155 71.8 65.8 98.8
 157 95.5 82.6 123.8

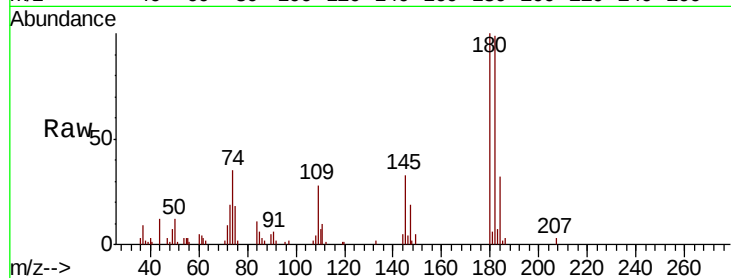




#69
 1,3,5-Trichlorobenzene
 Concen: 2.248 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-07

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.8	118.2
184	30.6	25.2	37.8
145	32.2	25.8	38.6

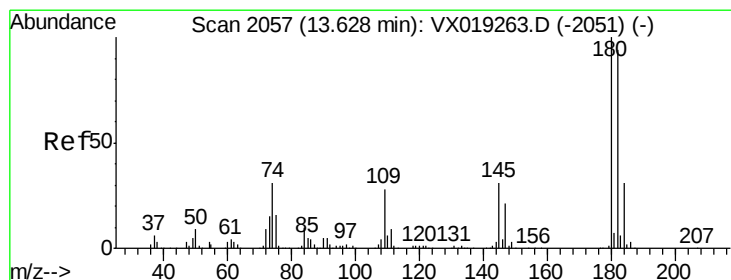
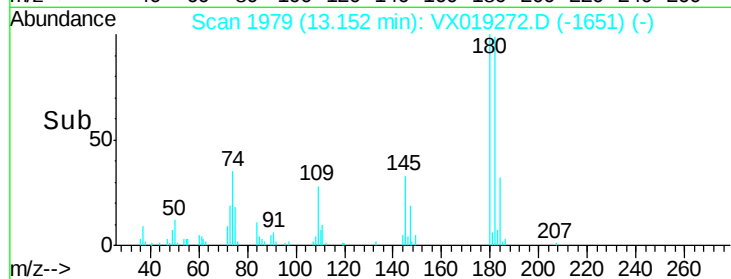
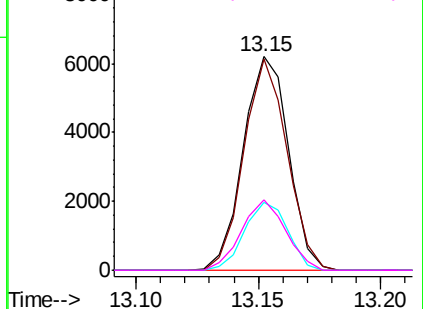


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

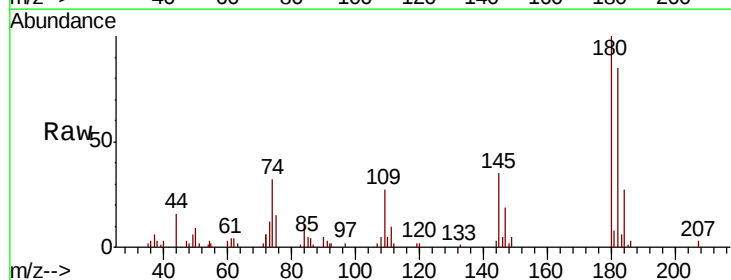
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.175 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019272.D
 Acq: 04 Nov 2020 15:01

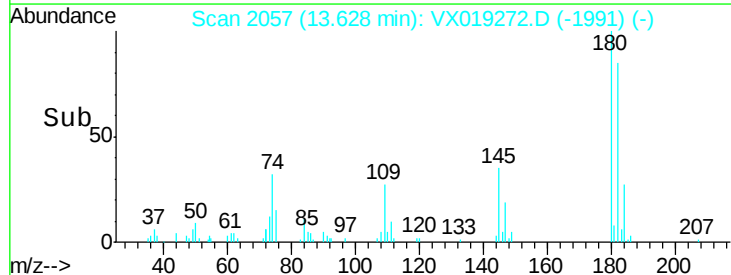
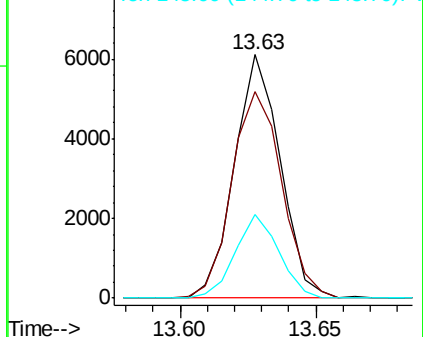
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.6	111.8
145	32.7	25.4	38.0

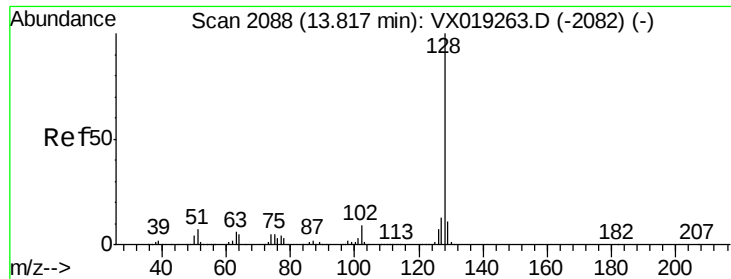


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

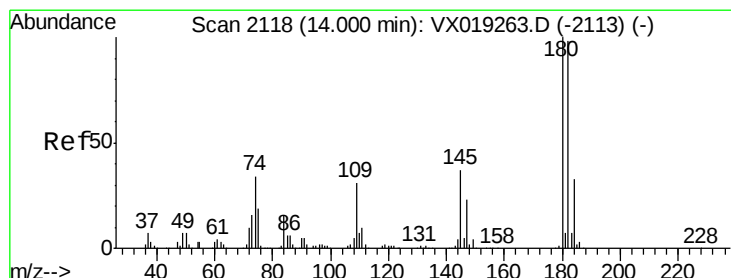
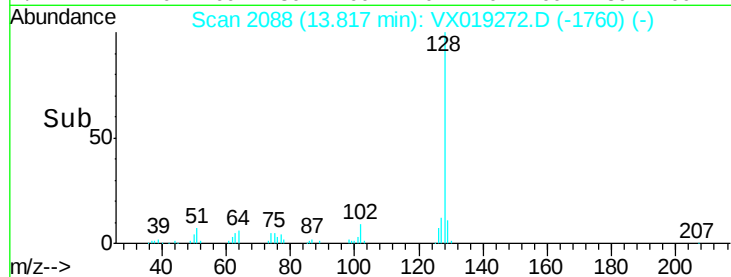
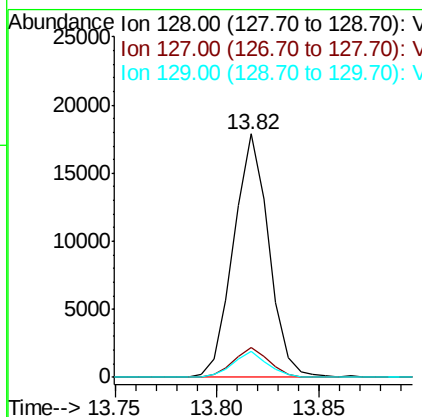
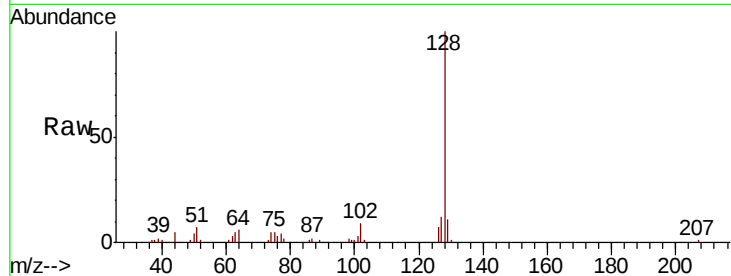




#71
Naphthalene
Concen: 2.014 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-07

Tot Ion:128 Resp: 21416
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 10.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 2.227 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019272.D
Acq: 04 Nov 2020 15:01

Tgt Ion:180 Resp: 7165
Ion Ratio Lower Upper
180 100
182 94.8 75.3 112.9
145 33.8 27.1 40.7

