

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019230.D
 Acq On : 03 Nov 2020 13:24
 Operator : JC/MD
 Sample : L4485-17
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-ME-SOIL-03

Quant Time: Nov 04 01:23:57 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	429062	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	394123	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	180788	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	161206	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.28%
7) Chloroethane-d5	1.70	69	130938	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.48%
11) 1,1-Dichloroethene-d2	2.34	63	217270	35.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.30%
21) 2-Butanone-d5	4.53	46	210309	111.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.60%
24) Chloroform-d	5.14	84	274322	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	6.03	65	193987	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
32) Benzene-d6	6.05	84	582618	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
36) 1,2-Dichloropropane-d6	7.37	67	177119	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.06%
41) Toluene-d8	8.70	98	536432	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%
43) trans-1,3-Dichloropropene-	8.99	79	89316	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
47) 2-Hexanone-d5	9.43	63	168229	112.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.74%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	221242	51.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.82%
66) 1,2-Dichlorobenzene-d4	12.36	152	181018	49.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5080	1.868 ug/L	100
3) Chloromethane	1.31	50	5885	2.130 ug/L	96
5) Vinyl chloride	1.39	62	6890	2.213 ug/L #	56
6) Bromomethane	1.64	94	4393	2.135 ug/L	91
8) Chloroethane	1.72	64	4061	2.093 ug/L	97
9) Trichlorofluoromethane	1.92	101	8515	1.843 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	6721	2.522 ug/L #	78
12) 1,1-Dichloroethene	2.36	96	6674	2.581 ug/L #	1
13) Acetone	2.43	43	5719	4.911 ug/L	94
14) Carbon disulfide	2.56	76	14334	1.837 ug/L	96
15) Methyl Acetate	2.75	43	5672	2.232 ug/L	99
16) Methylene chloride	2.84	84	6251	2.168 ug/L	89
17) trans-1,2-Dichloroethene	3.14	96	5506	1.981 ug/L	92
18) Methyl tert-butyl Ether	3.17	73	16802	1.912 ug/L	97
19) 1,1-Dichloroethane	3.67	63	9574	1.938 ug/L	97
20) cis-1,2-Dichloroethene	4.56	96	5851	1.916 ug/L	87
22) 2-Butanone	4.65	43	8318	4.523 ug/L	86

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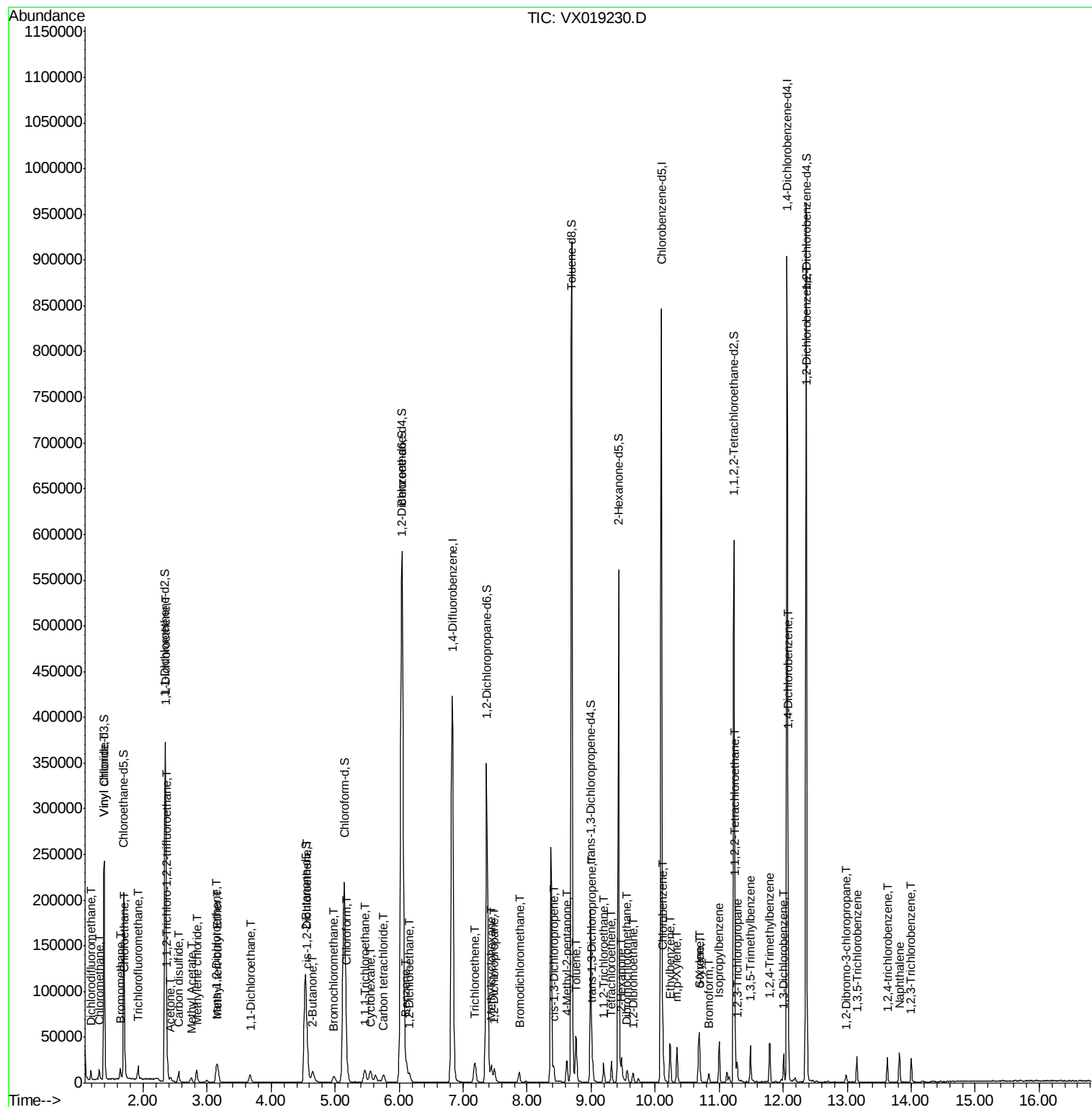
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	3125	2.032	ug/L	83
25) Chloroform	5.18	83	21587	4.164	ug/L	94
27) 1,2-Dichloroethane	6.16	62	8656	2.120	ug/L	97
29) Cyclohexane	5.55	56	8297	1.829	ug/L #	94
30) 1,1,1-Trichloroethane	5.46	97	8974	1.889	ug/L	99
31) Carbon tetrachloride	5.76	117	7013	1.718	ug/L	95
33) Benzene	6.11	78	21884	1.934	ug/L	100
34) Trichloroethene	7.19	95	5876	1.903	ug/L	97
35) Methylcyclohexane	7.44	83	8337	1.706	ug/L	97
37) 1,2-Dichloropropane	7.49	63	5778	2.056	ug/L	99
38) Bromodichloromethane	7.88	83	6821	1.745	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	8646	1.852	ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	13797	4.014	ug/L	99
42) Toluene	8.76	91	31146	2.530	ug/L	95
44) trans-1,3-Dichloropropene	9.02	75	8101	1.781	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	5310	1.923	ug/L	98
46) Tetrachloroethene	9.32	164	4211	1.807	ug/L	93
48) 2-Hexanone	9.48	43	14059	5.191	ug/L	97
49) Dibromochloromethane	9.56	129	5407	1.790	ug/L	93
50) 1,2-Dibromoethane	9.65	107	5635	1.951	ug/L	98
51) Chlorobenzene	10.12	112	15204	1.986	ug/L	97
52) Ethylbenzene	10.23	91	25388	1.908	ug/L	100
53) m,p-Xylene	10.34	106	9336	1.868	ug/L	97
54) o-Xylene	10.68	106	8926	1.844	ug/L	90
55) Styrene	10.70	104	14374	1.760	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	8638	2.282	ug/L #	96
59) Bromoform	10.84	173	3525	1.800	ug/L	96
60) Isopropylbenzene	11.00	105	23400	1.907	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	6636	2.155	ug/L	95
62) 1,3,5-Trimethylbenzene	11.49	105	17716	1.755	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	18447	1.932	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	10366	1.957	ug/L	89
65) 1,4-Dichlorobenzene	12.08	146	10723	1.995	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	10230	1.994	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	1610	1.920	ug/L	90
69) 1,3,5-Trichlorobenzene	13.15	180	6430	1.733	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	6147	1.798	ug/L	99
71) Naphthalene	13.82	128	18824	1.703	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	5623	1.681	ug/L	93

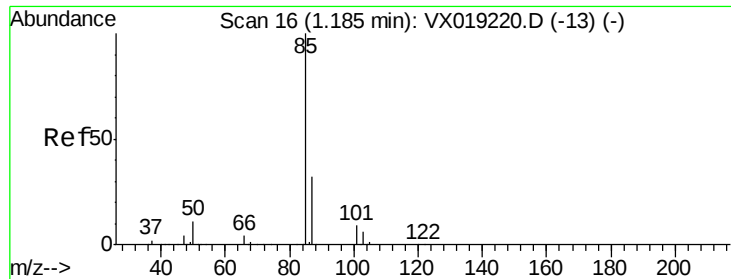
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.868 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

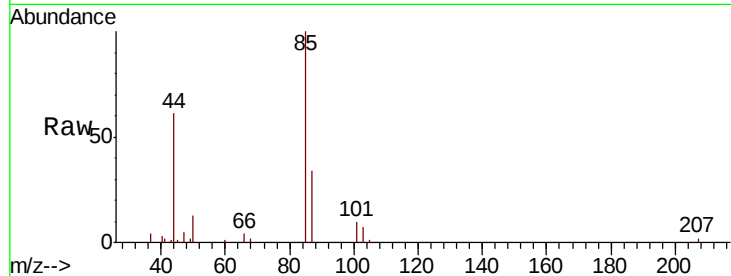
MDL-ME-SOIL-03

Tot Ion: 85 Resp: 5080

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

6000

5000

4000

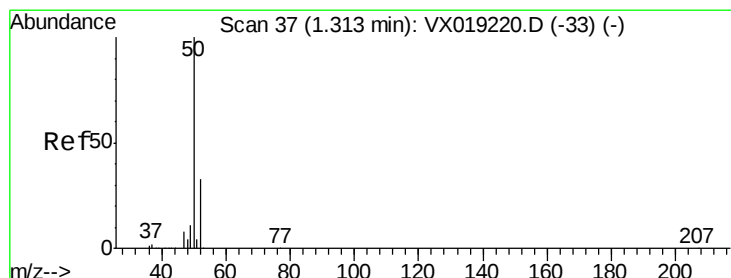
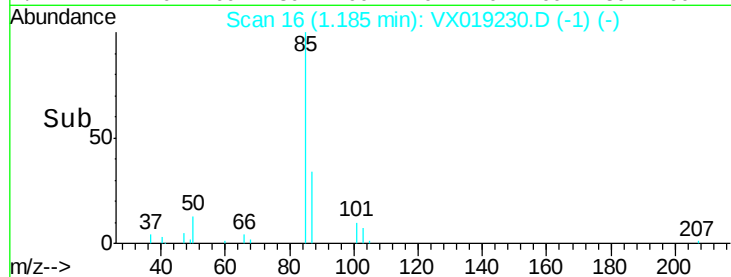
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 2.130 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019230.D

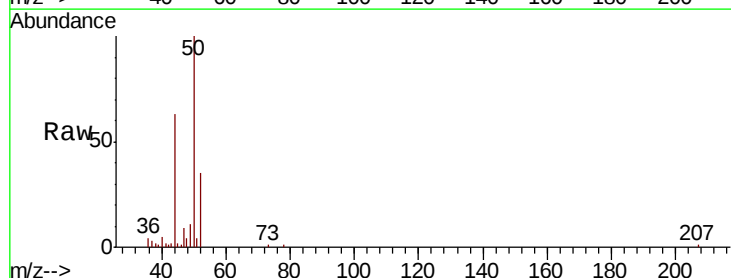
Acq: 03 Nov 2020 13:24

Tgt Ion: 50 Resp: 5885

Ion Ratio Lower Upper

50 100

52 34.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.31

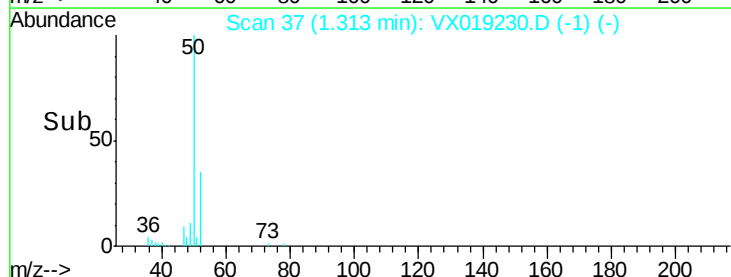
6000

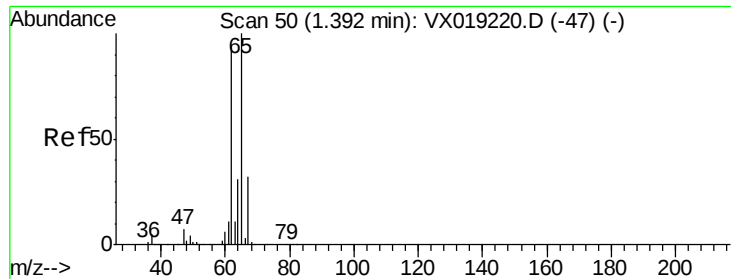
4000

2000

0

Time-->





#5

Vinyl chloride

Concen: 2.213 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

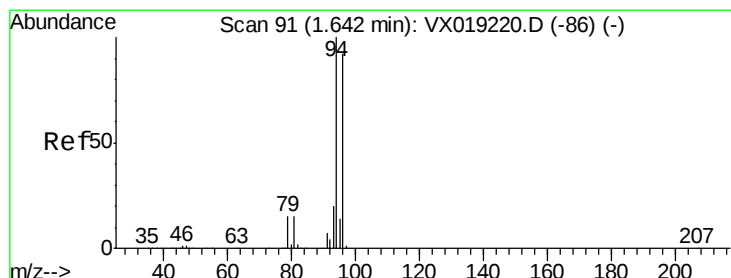
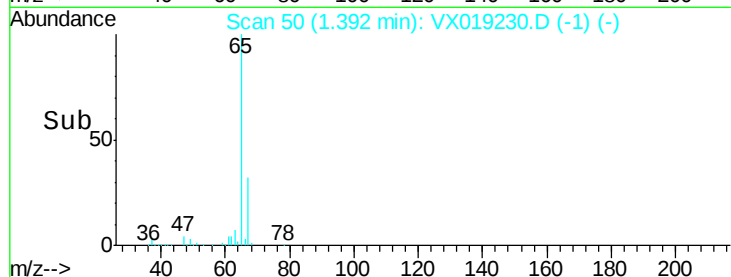
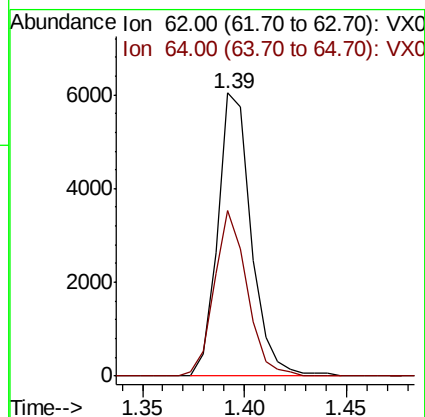
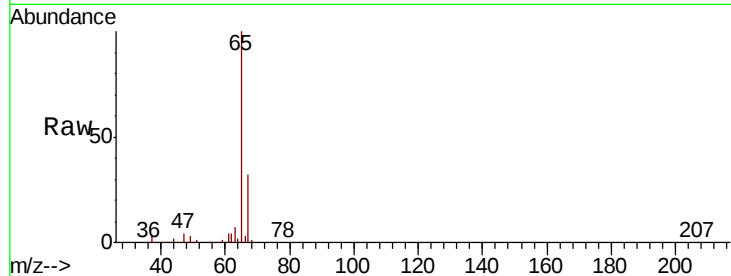
MDL-ME-SOIL-03

Tot Ion: 62 Resp: 6890

Ion Ratio Lower Upper

62 100

64 58.5 23.4 43.6#



#6

Bromomethane

Concen: 2.135 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX019230.D

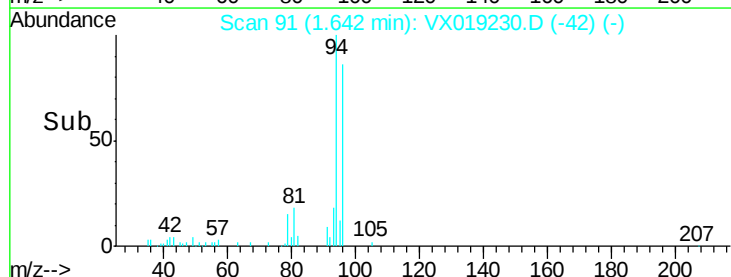
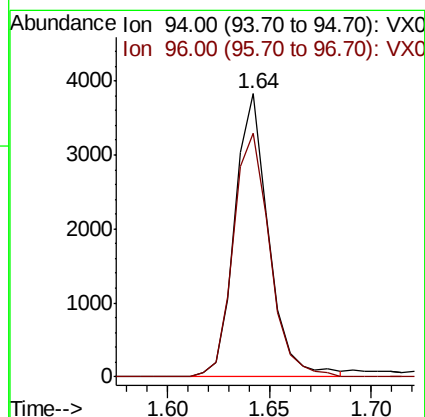
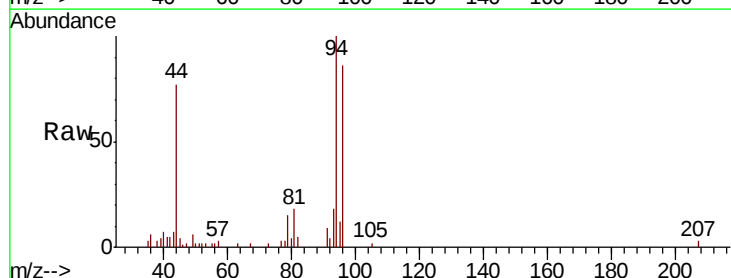
Acq: 03 Nov 2020 13:24

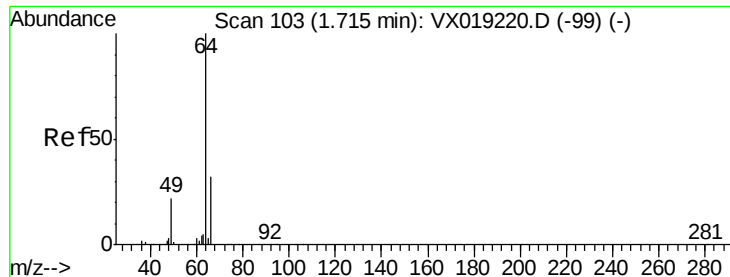
Tgt Ion: 94 Resp: 4393

Ion Ratio Lower Upper

94 100

96 86.0 66.0 122.6

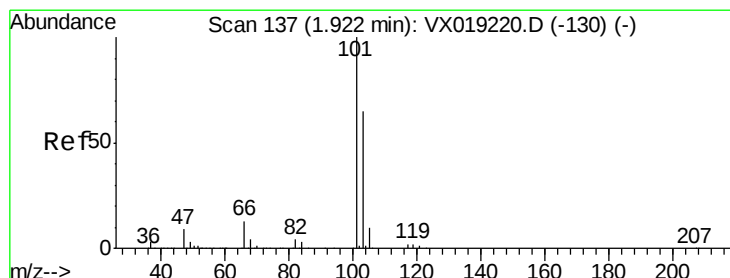
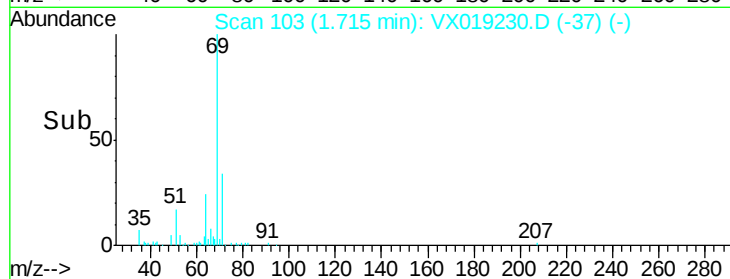
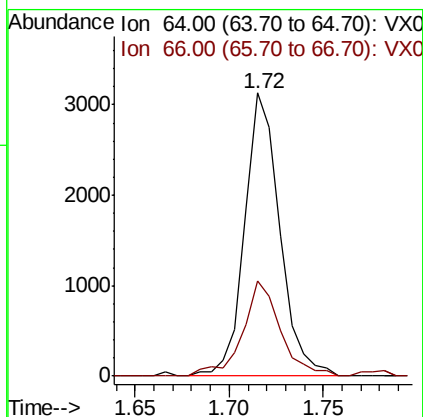
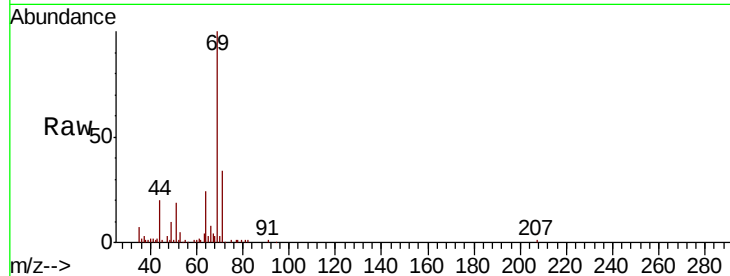




#8
Chloroethane
Concen: 2.093 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

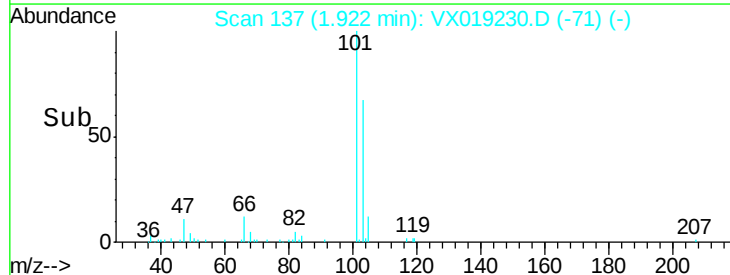
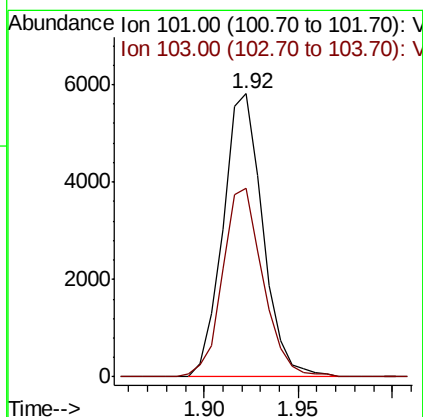
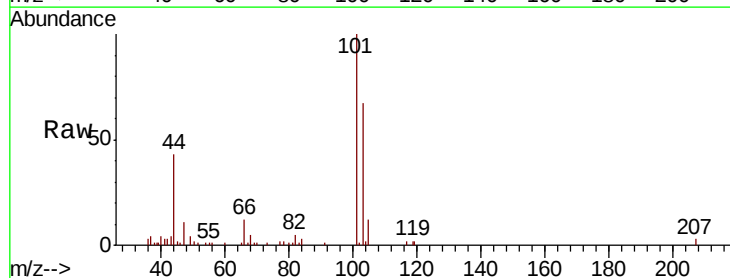
Instrument :
MSVOA_X
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MDL-ME-SOIL-03

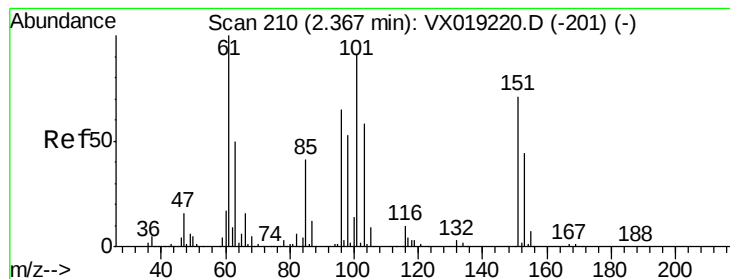
Tot Ion: 64 Resp: 4061
Ion Ratio Lower Upper
64 100
66 33.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 1.843 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 101 Resp: 8515
Ion Ratio Lower Upper
101 100
103 67.6 51.3 76.9





#10

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

Concen: 2.522 ug/L

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

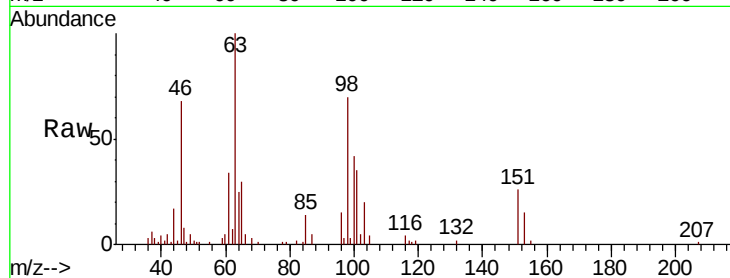
Tot Ion:101 Resp: 6721

Ion Ratio Lower Upper

101 100

85 33.3 35.0 52.4#

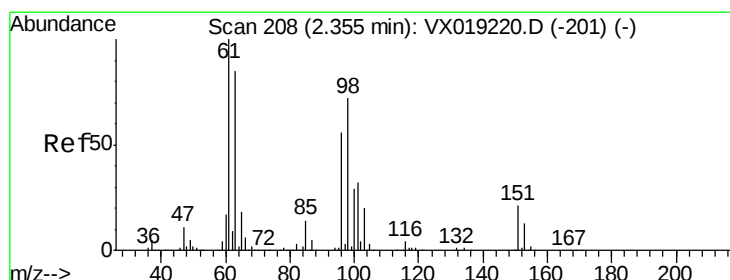
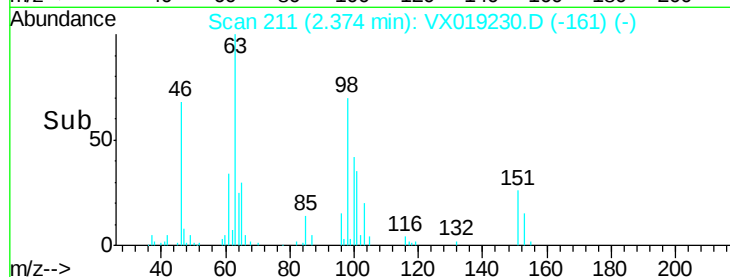
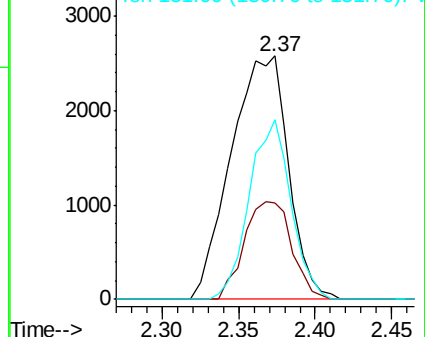
151 53.8 59.9 89.9#



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: 2.581 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

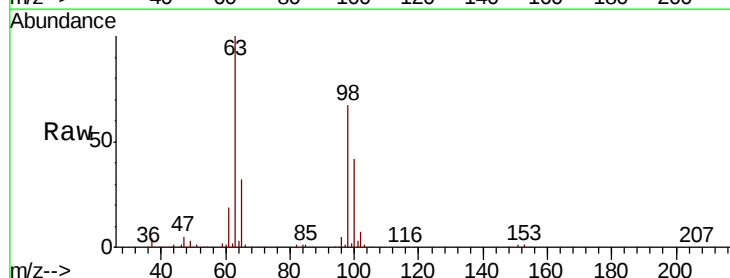
Tgt Ion: 96 Resp: 6674

Ion Ratio Lower Upper

96 100

61 394.1 115.1 213.8#

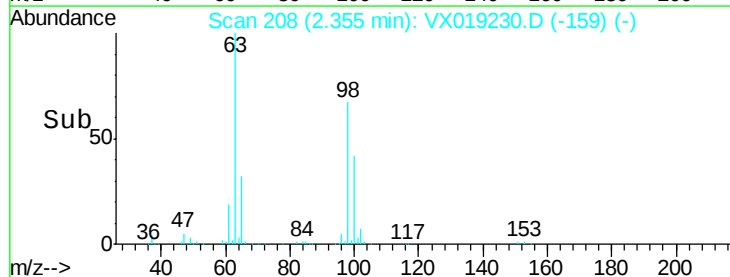
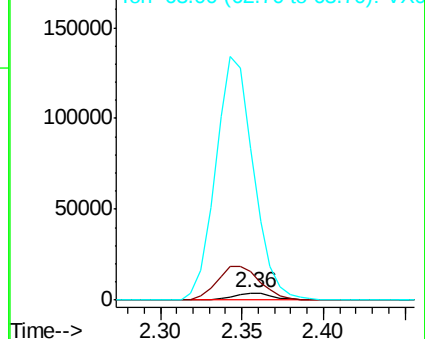
63 2114.9 78.3 145.5#

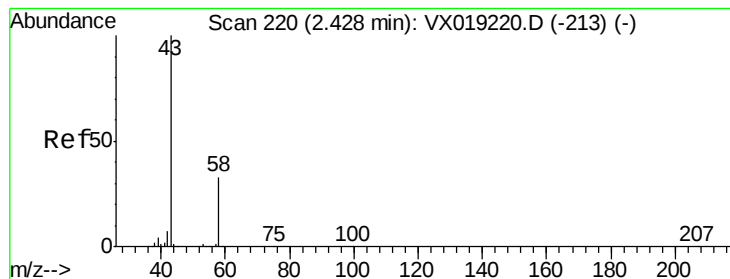


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 4.911 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

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ClientSampleId :

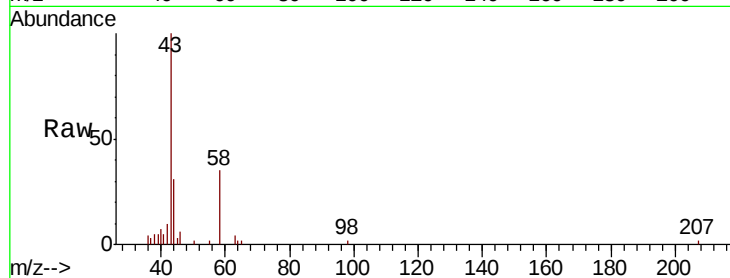
MDL-ME-SOIL-03

Tot Ion: 43 Resp: 5719

Ion Ratio Lower Upper

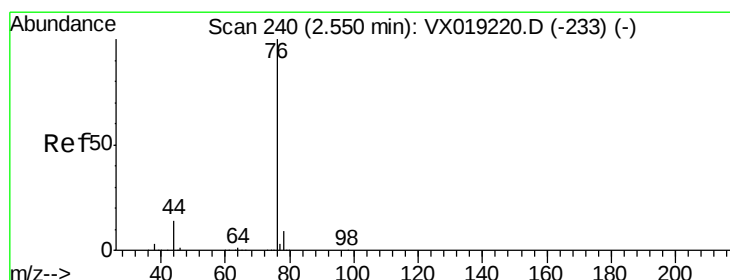
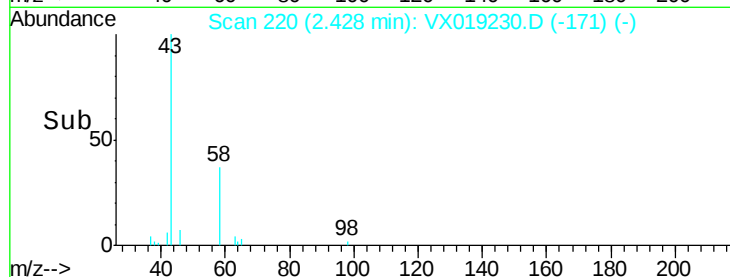
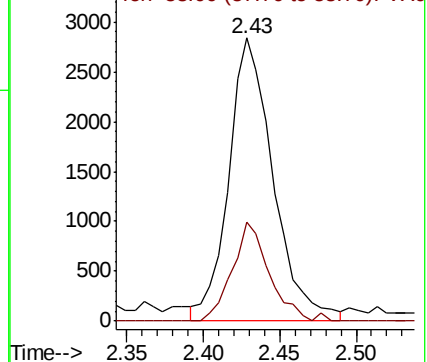
43 100

58 28.8 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: 1.837 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019230.D

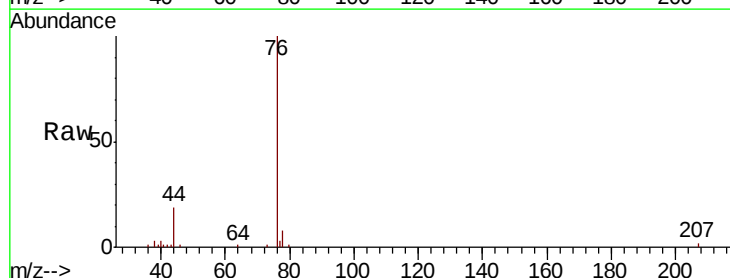
Acq: 03 Nov 2020 13:24

Tgt Ion: 76 Resp: 14334

Ion Ratio Lower Upper

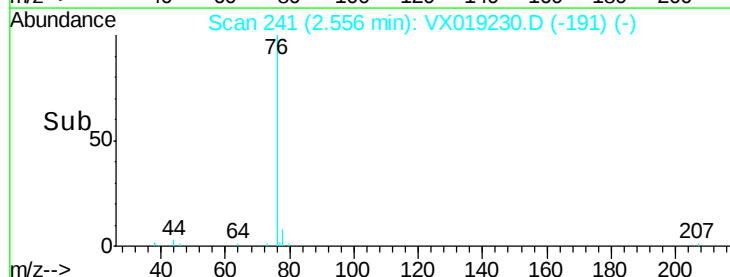
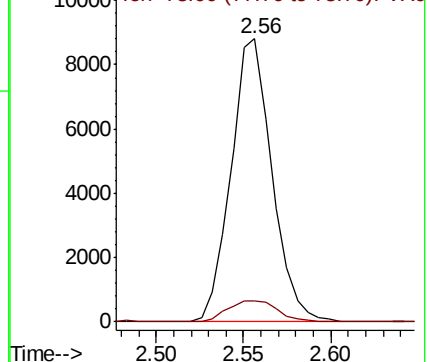
76 100

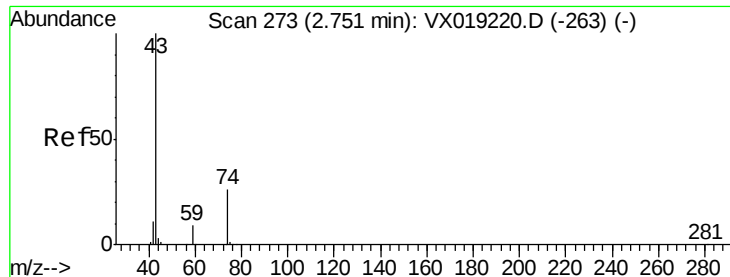
78 7.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

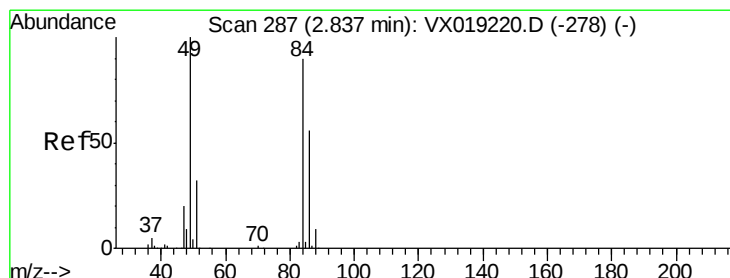
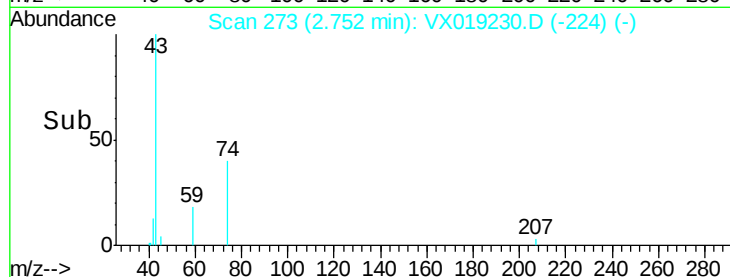
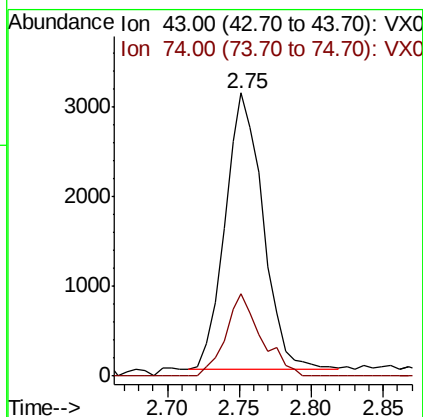
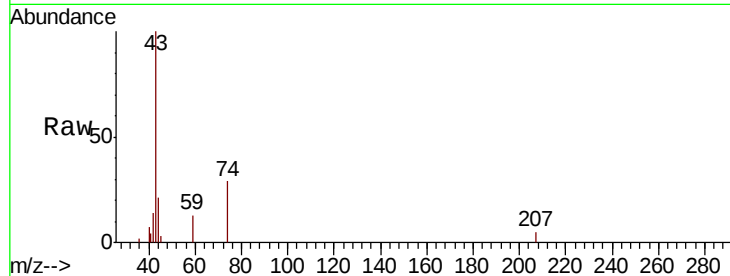




#15
Methvl Acetate
Concen: 2.232 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

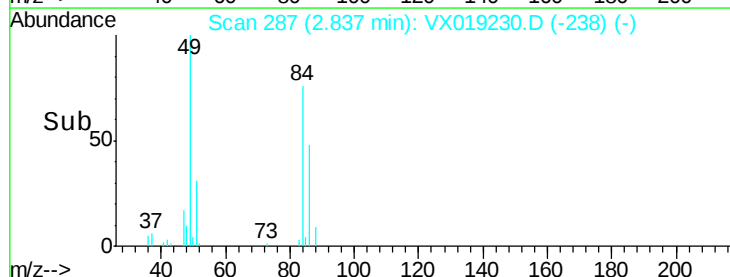
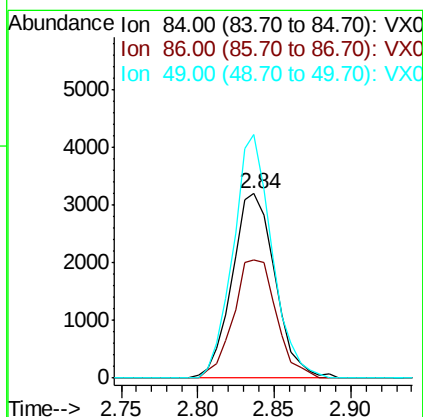
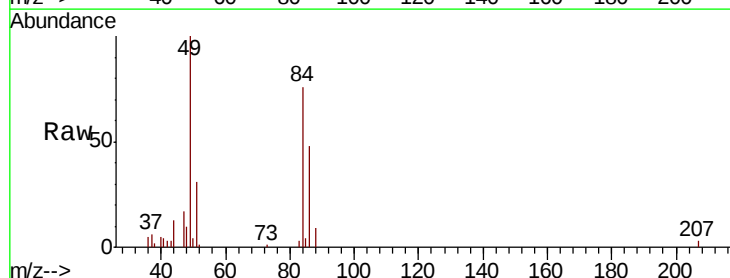
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-03

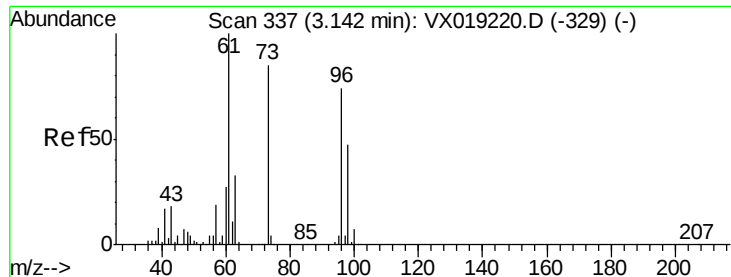
Tot Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
74 27.8 21.8 32.8



#16
Methylene chloride
Concen: 2.168 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 84 Resp: 6251
Ion Ratio Lower Upper
84 100
86 63.8 44.0 81.6
49 132.0 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 1.981 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

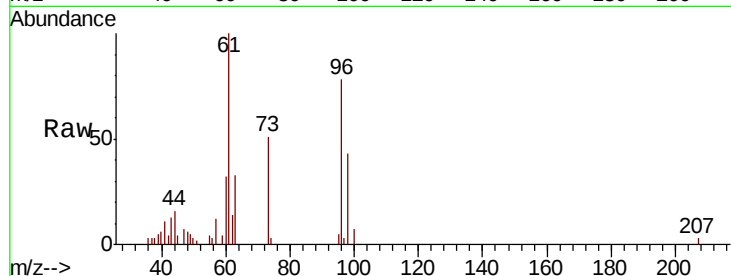
Tot Ion: 96 Resp: 5506

Ion Ratio Lower Upper

96 100

61 128.9 95.7 177.7

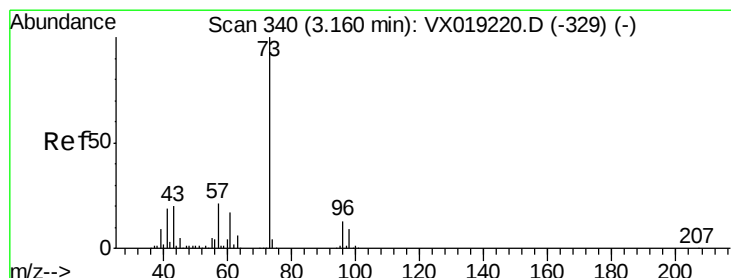
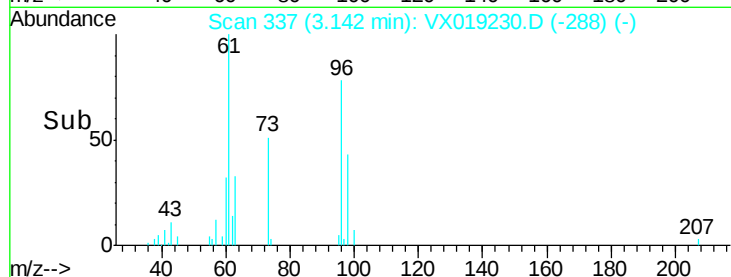
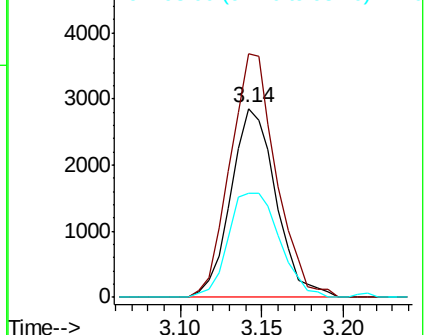
98 55.1 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 1.912 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

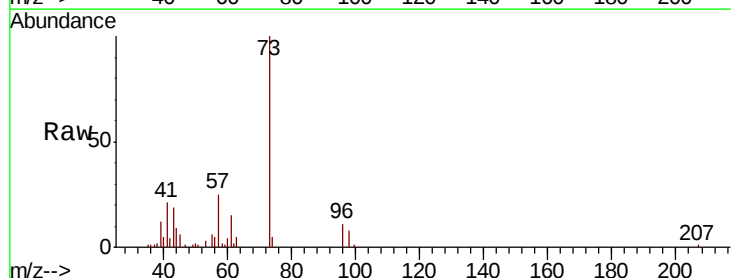
Tgt Ion: 73 Resp: 16802

Ion Ratio Lower Upper

73 100

43 21.2 15.8 23.6

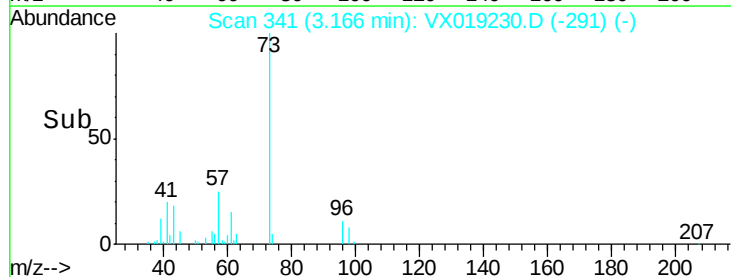
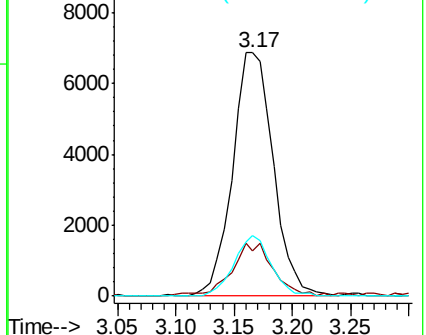
57 22.4 17.0 25.4

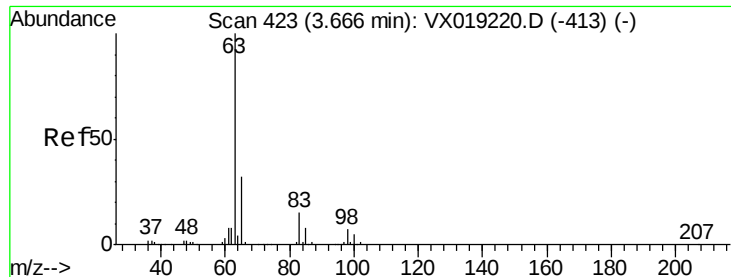


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

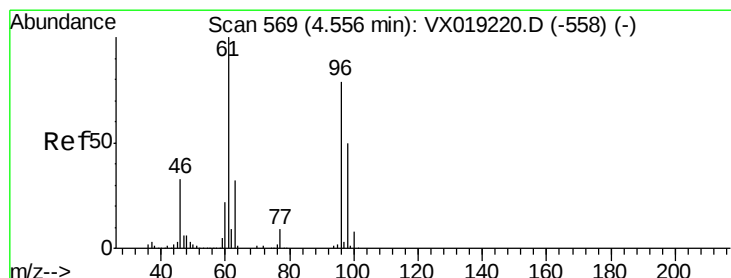
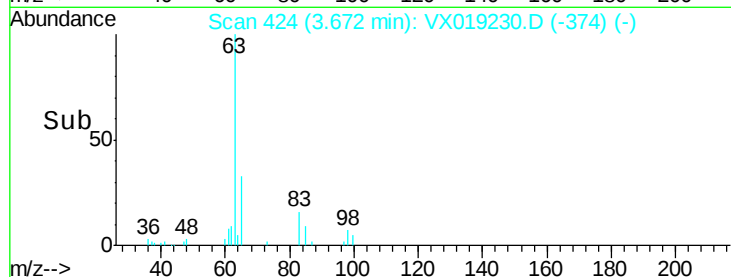
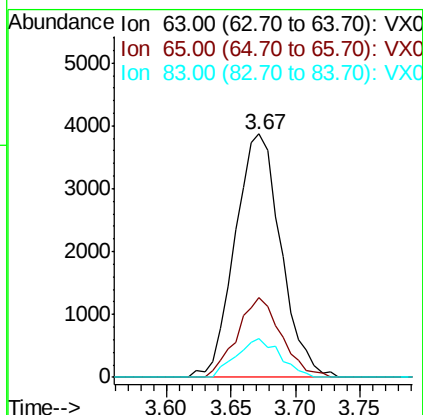
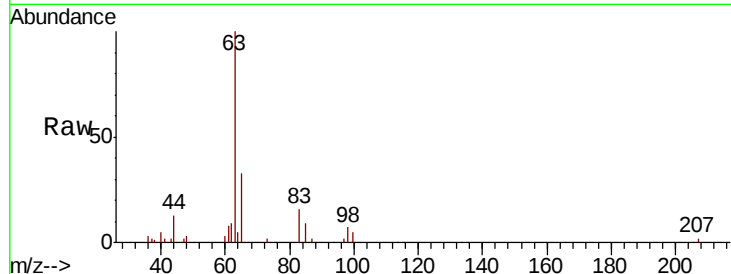




#19
 1,1-Dichloroethane
 Concen: 1.938 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX019230.D
 Acq: 03 Nov 2020 13:24

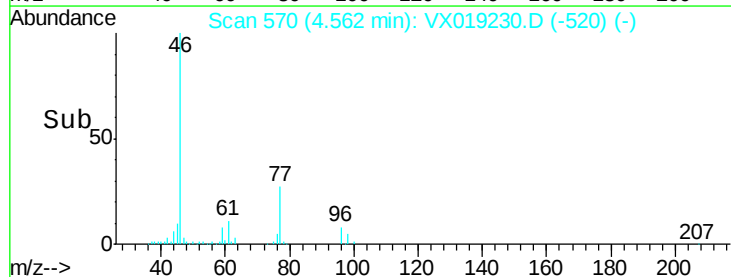
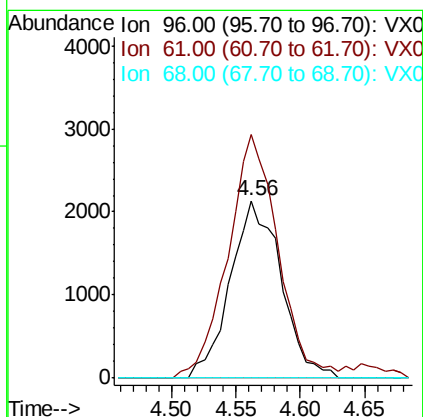
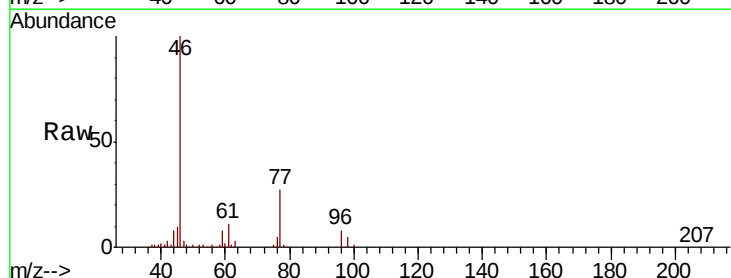
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-03

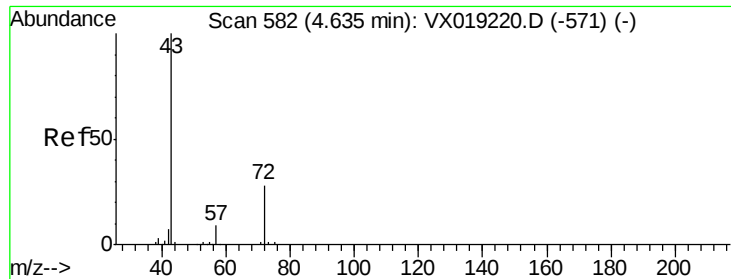
Tot Ion: 63 Resp: 9574
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.3 41.3
 83 16.1 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 1.916 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019230.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 96 Resp: 5851
 Ion Ratio Lower Upper
 96 100
 61 137.5 86.1 159.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.523 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

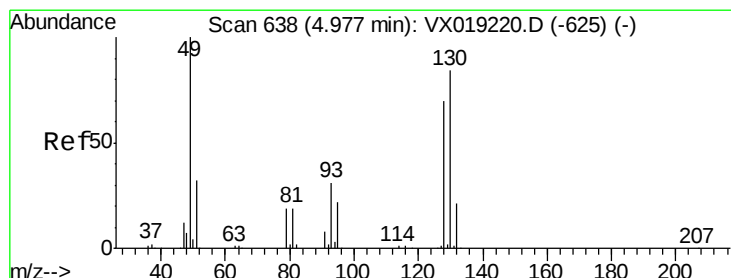
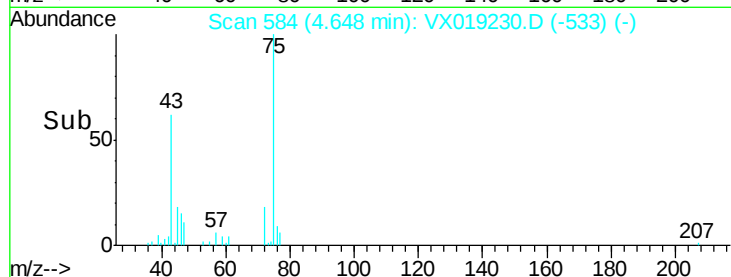
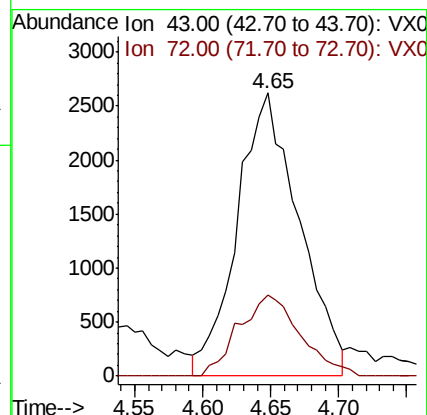
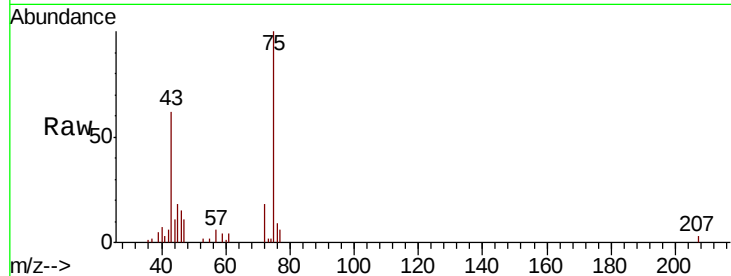
MDL-ME-SOIL-03

Tot Ion: 43 Resp: 8318

Ion Ratio Lower Upper

43 100

72 22.4 15.0 45.0



#23

Bromochloromethane

Concen: 2.032 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Tgt Ion:128 Resp: 3125

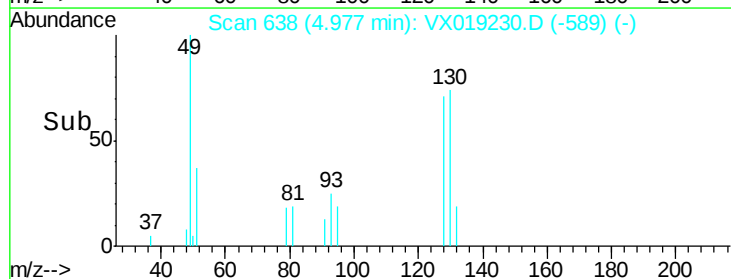
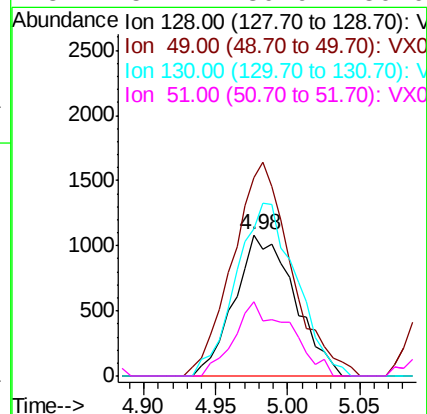
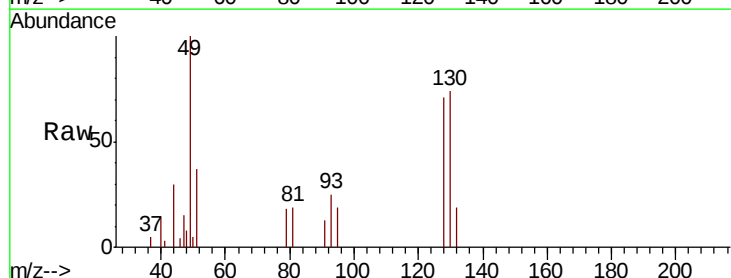
Ion Ratio Lower Upper

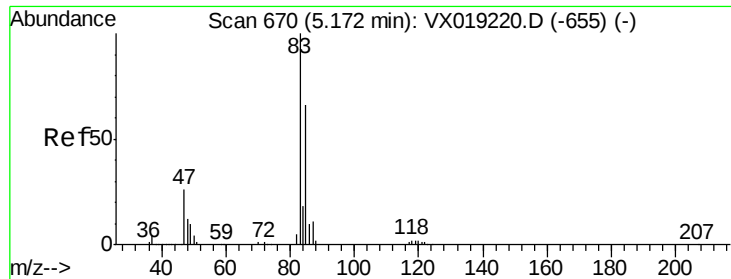
128 100

49 140.2 108.4 201.4

130 103.9 96.7 179.7

51 52.4 39.9 59.9

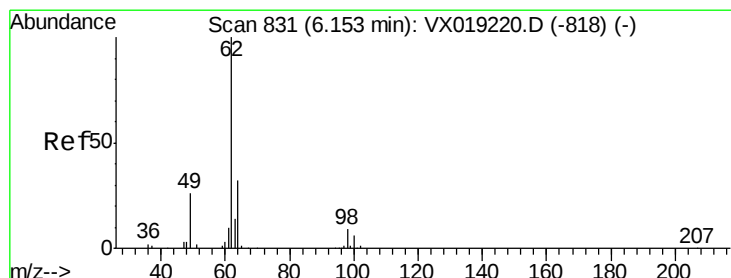
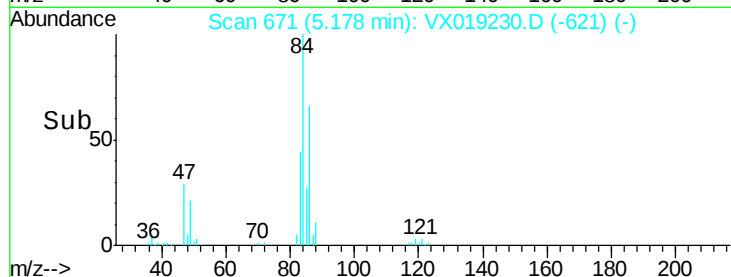
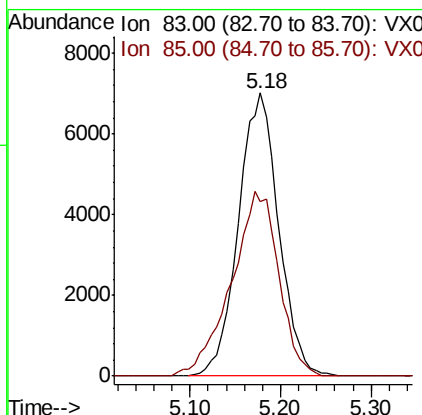
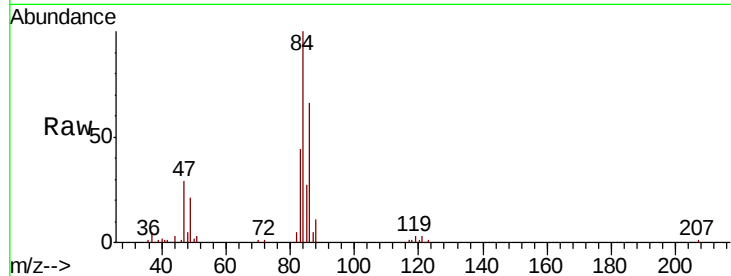




#25
Chloroform
Concen: 4.164 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

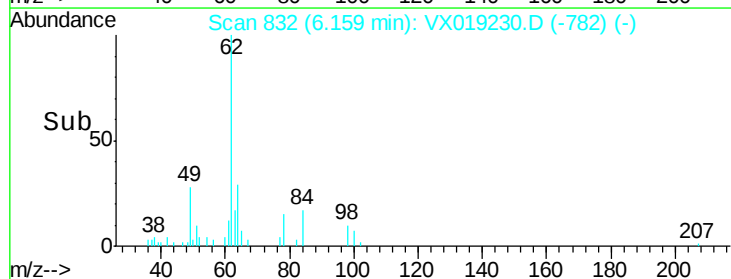
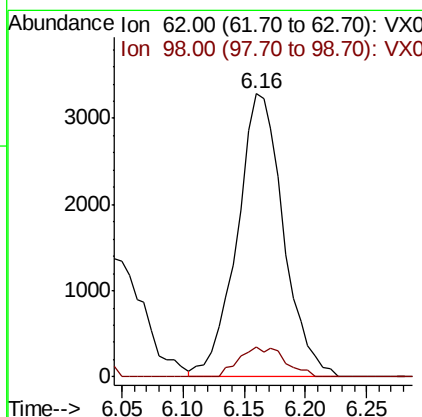
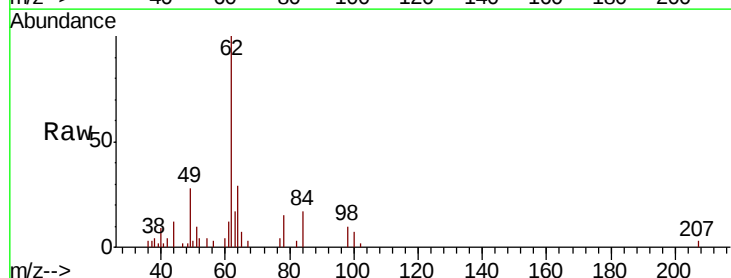
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-03

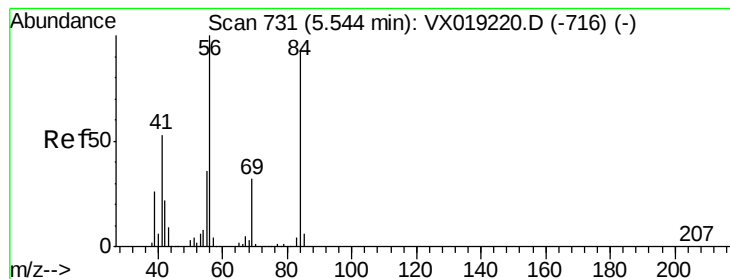
Tot Ion: 83 Resp: 21587
Ion Ratio Lower Upper
83 100
85 61.6 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.120 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 62 Resp: 8656
Ion Ratio Lower Upper
62 100
98 10.5 7.6 11.4





#29

Cyclohexane

Concen: 1.829 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

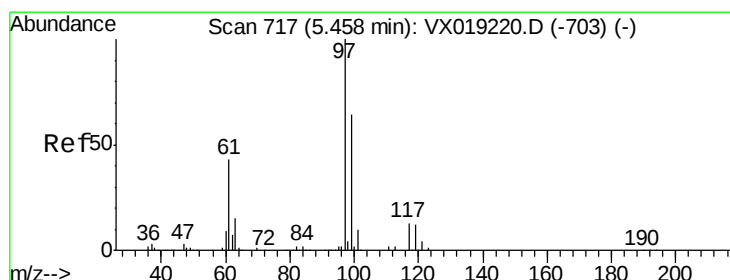
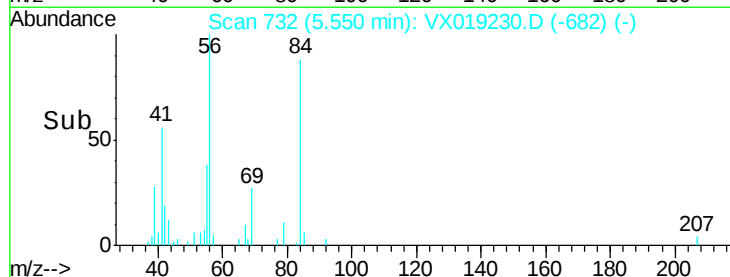
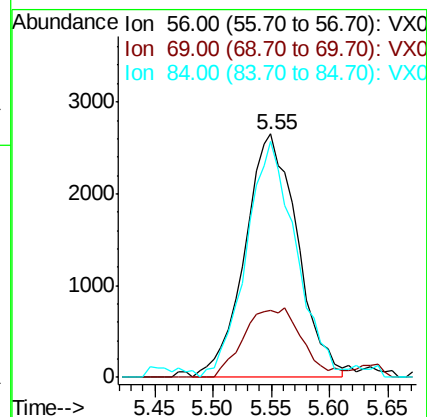
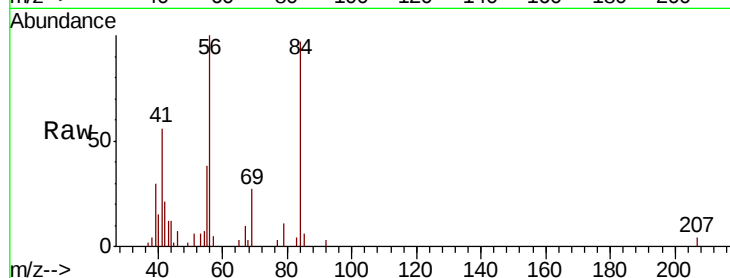
Tot Ion: 56 Resp: 8297

Ion Ratio Lower Upper

56 100

69 19.4 25.2 37.8#

84 91.6 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 1.889 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

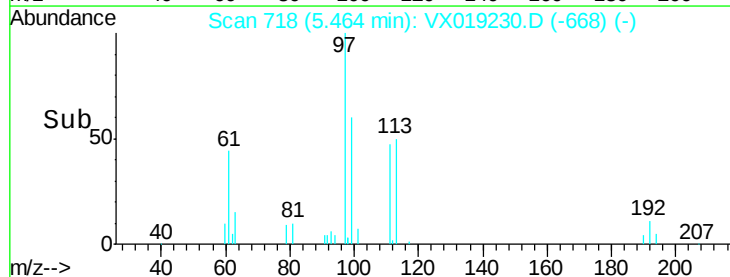
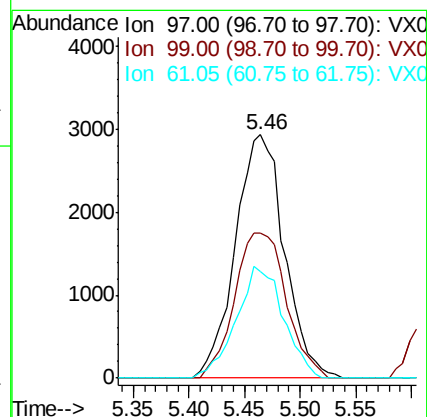
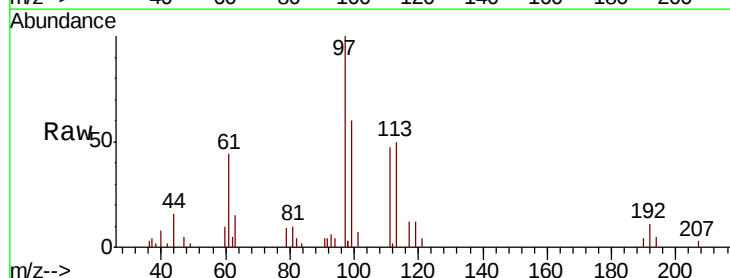
Tgt Ion: 97 Resp: 8974

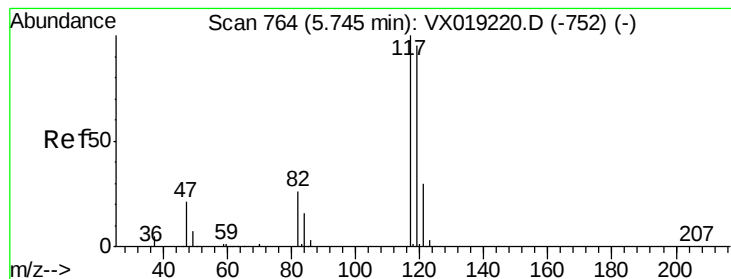
Ion Ratio Lower Upper

97 100

99 63.0 51.0 76.6

61 44.0 34.8 52.2





#31

Carbon tetrachloride

Concen: 1.718 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

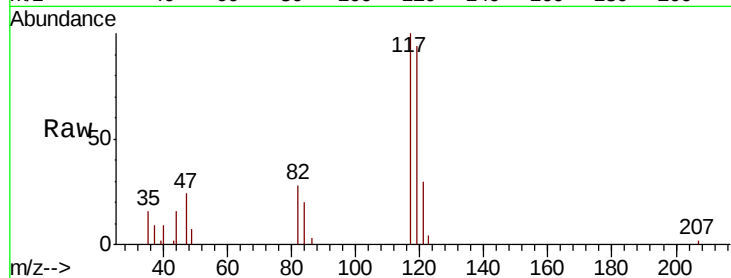
MDL-ME-SOIL-03

Tot Ion:117 Resp: 7013

Ion Ratio Lower Upper

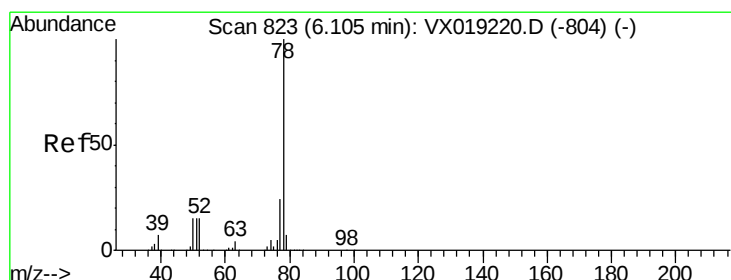
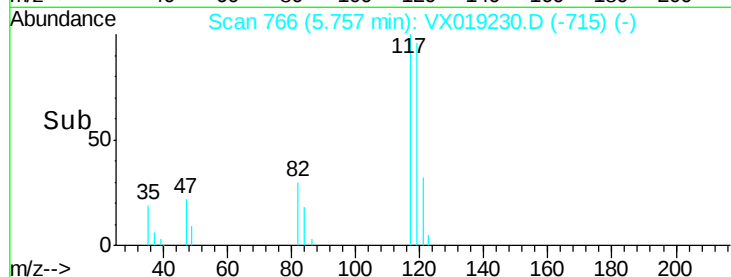
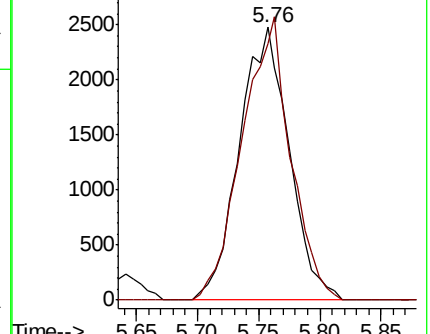
117 100

119 100.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.934 ug/L

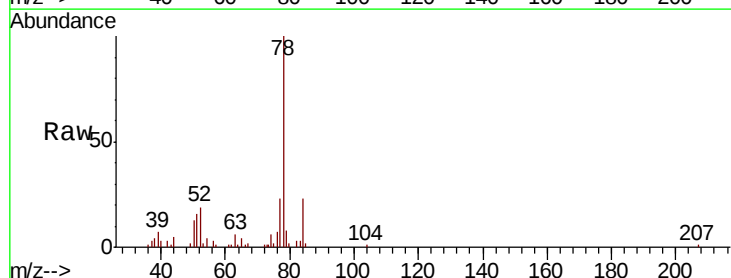
RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

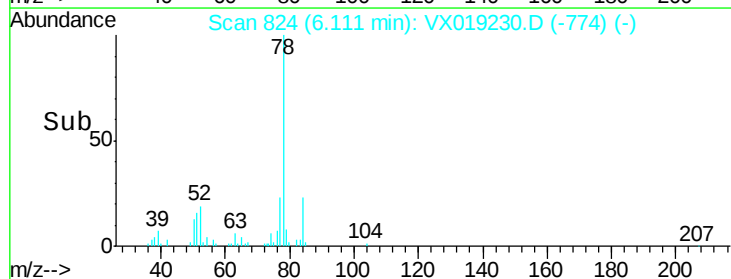
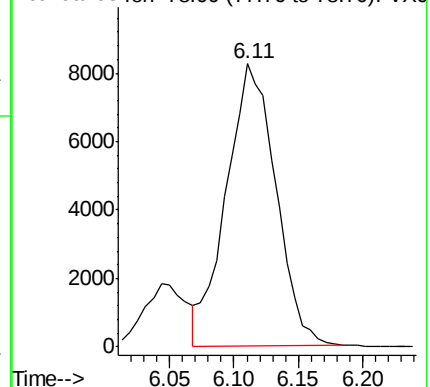
Lab File: VX019230.D

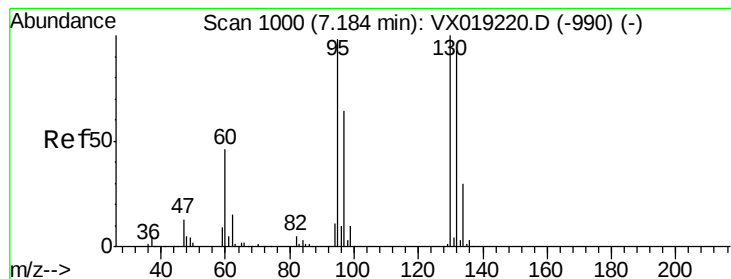
Acq: 03 Nov 2020 13:24

Tgt Ion: 78 Resp: 21884



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 1.903 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

Tot Ion: 95 Resp: 5876

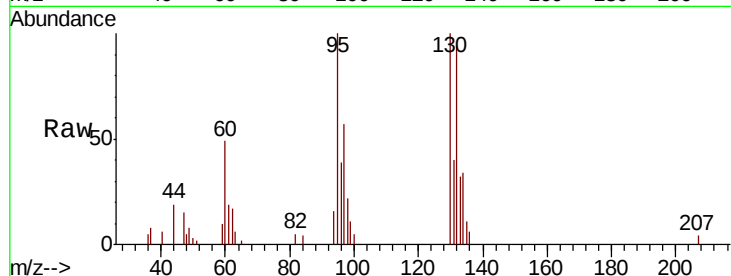
Ion Ratio Lower Upper

95 100

97 57.3 45.1 83.9

132 93.8 67.3 124.9

130 100.1 69.9 129.9



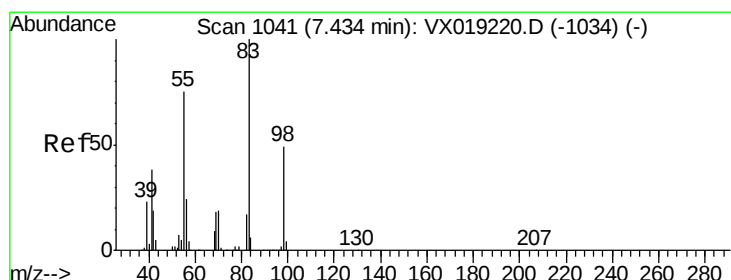
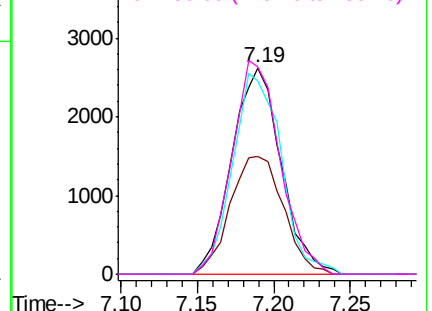
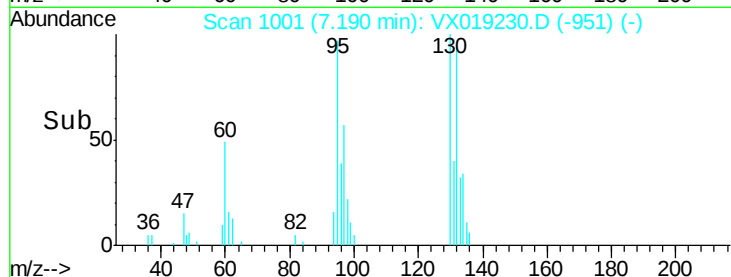
Abundance

Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 1.706 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

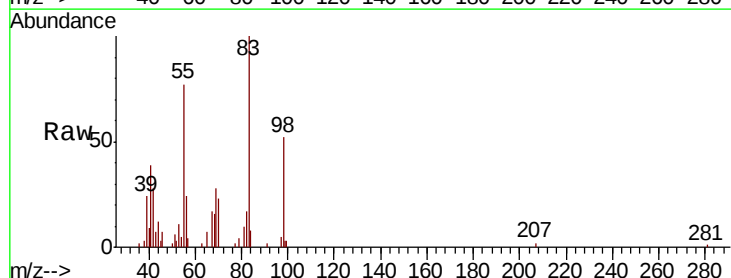
Tgt Ion: 83 Resp: 8337

Ion Ratio Lower Upper

83 100

55 76.4 58.6 87.8

98 49.3 39.0 58.6

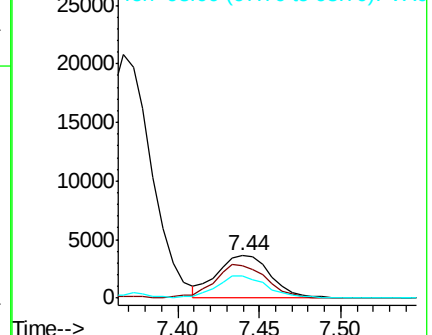
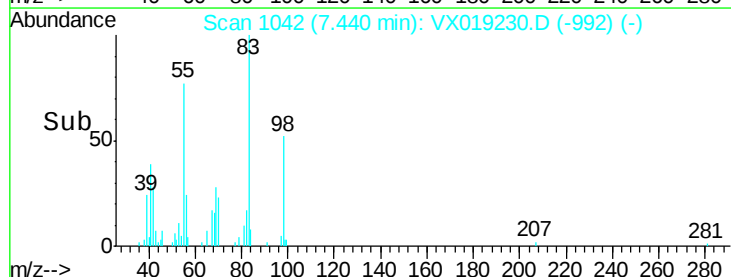


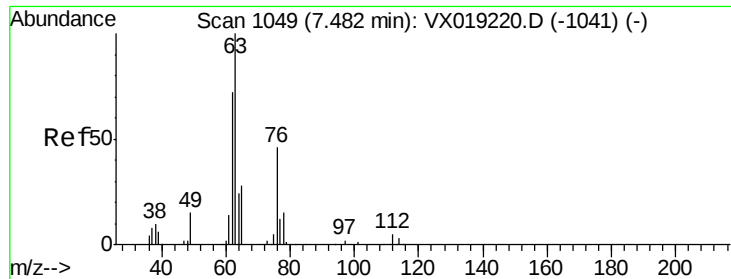
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 2.056 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

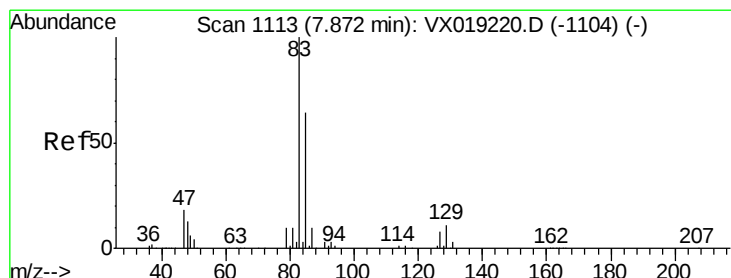
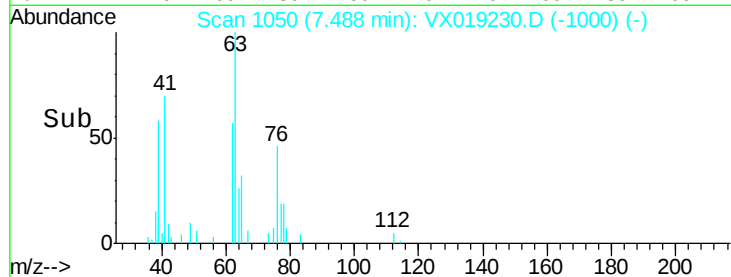
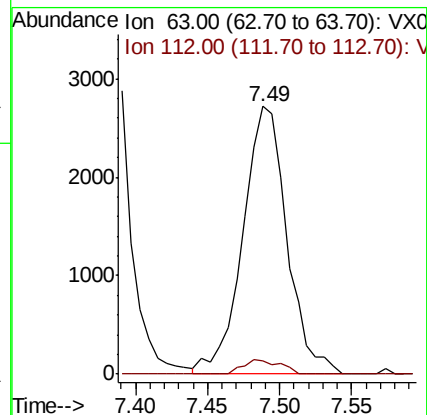
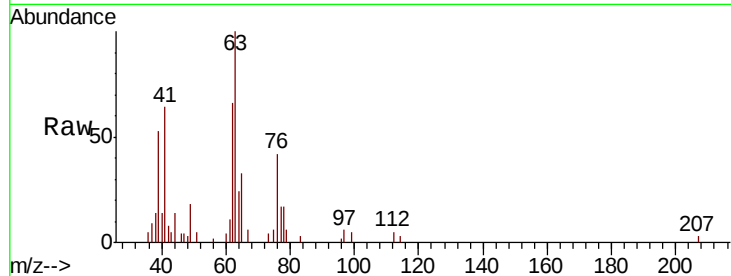
MDL-ME-SOIL-03

Tot Ion: 63 Resp: 5778

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 1.745 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

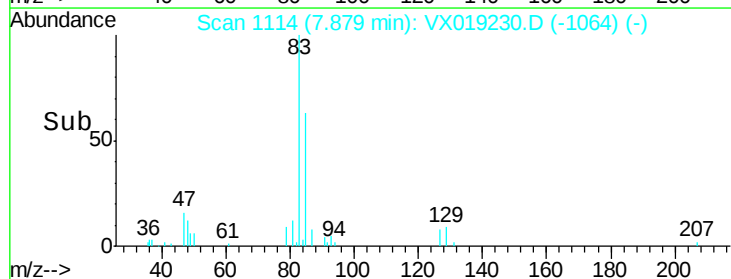
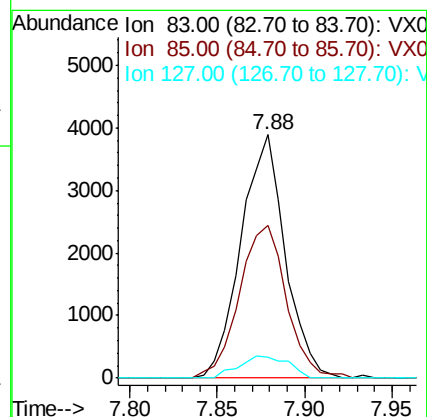
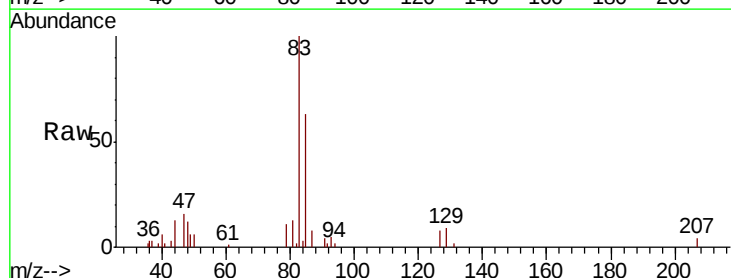
Tgt Ion: 83 Resp: 6821

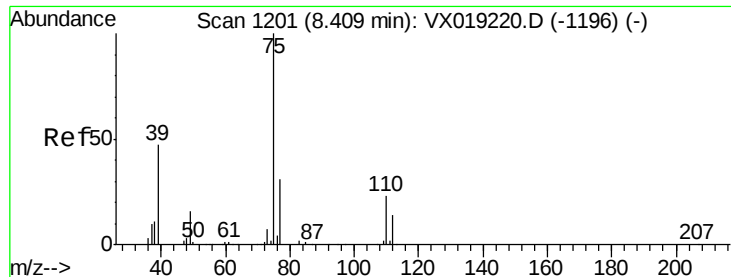
Ion Ratio Lower Upper

83 100

85 62.5 44.6 82.8

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 1.852 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

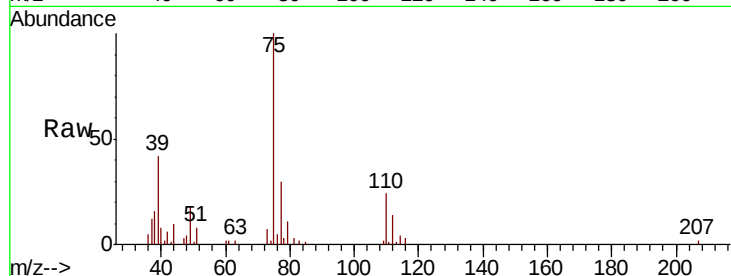
MDL-ME-SOIL-03

Tot Ion: 75 Resp: 8646

Ion Ratio Lower Upper

75 100

77 29.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.42

6000

5000

4000

3000

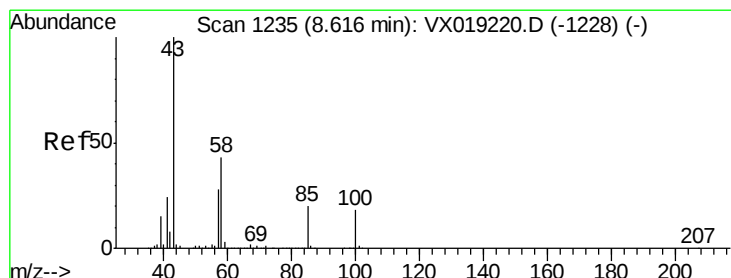
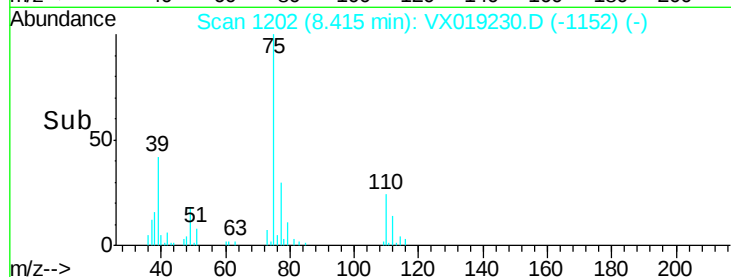
2000

1000

0

8.40 8.45

Time-->



#40

4-Methyl-2-pentanone

Concen: 4.014 ug/L

RT: 8.62 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

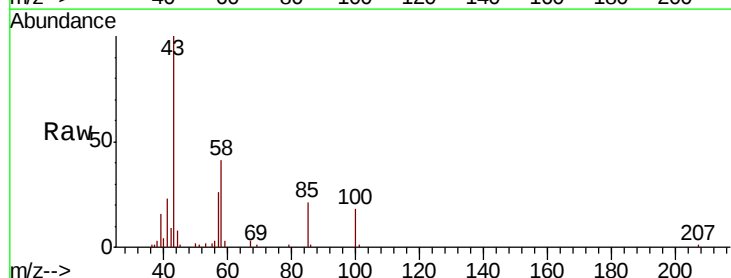
Tgt Ion: 43 Resp: 13797

Ion Ratio Lower Upper

43 100

58 43.1 34.1 51.1

100 18.2 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

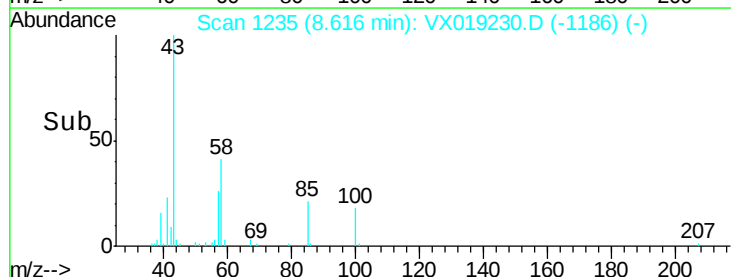
100000

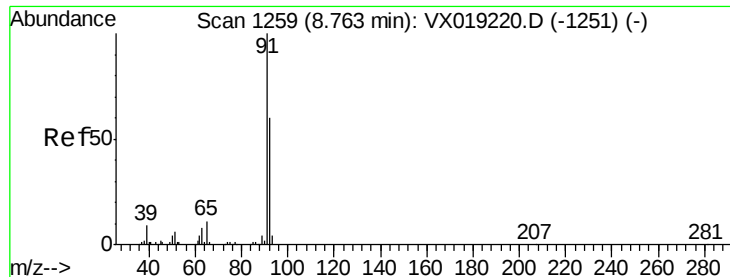
50000

0

8.55 8.60 8.65

Time-->





#42

Toluene

Concen: 2.530 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

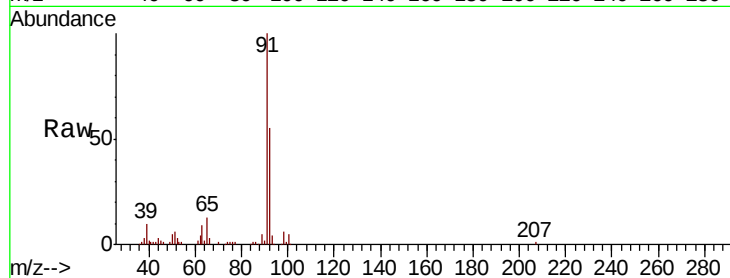
MDL-ME-SOIL-03

Tot Ion: 91 Resp: 31146

Ion Ratio Lower Upper

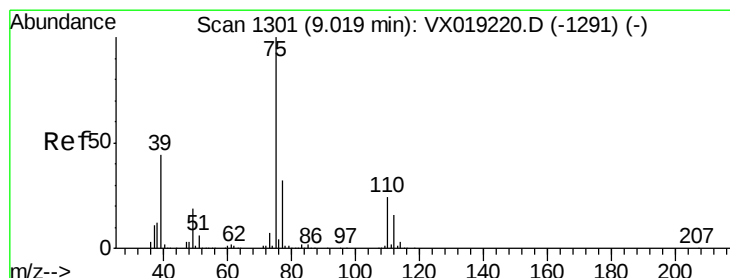
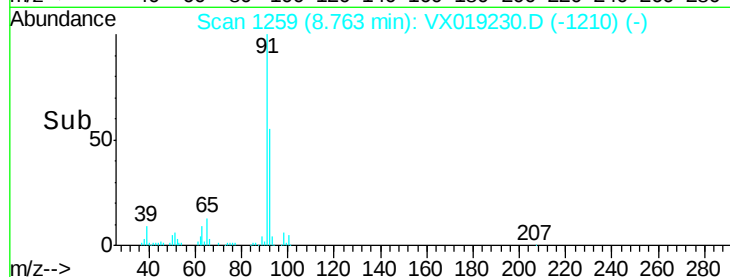
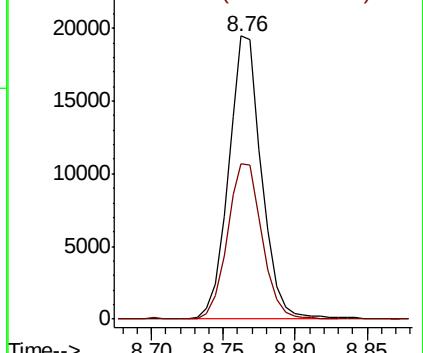
91 100

92 54.8 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: 1.781 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019230.D

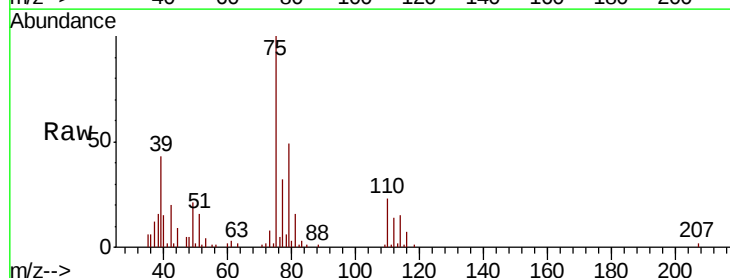
Acq: 03 Nov 2020 13:24

Tgt Ion: 75 Resp: 8101

Ion Ratio Lower Upper

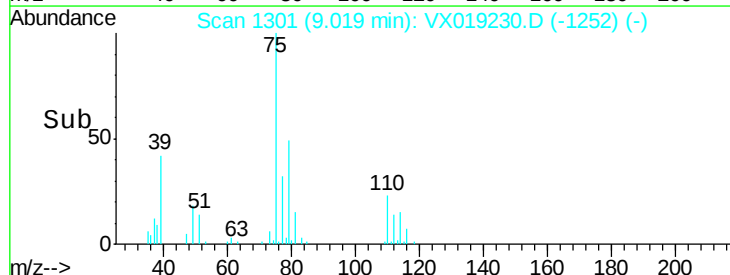
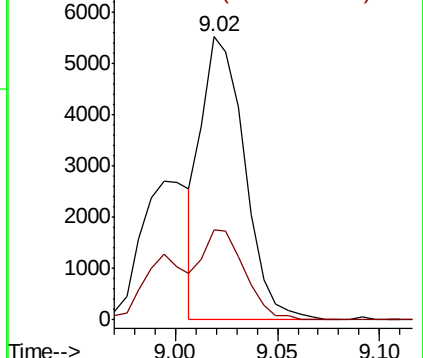
75 100

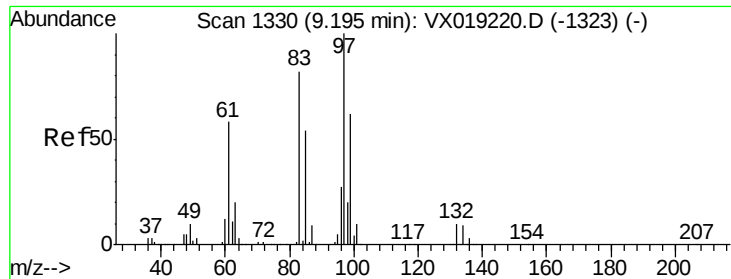
77 31.8 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

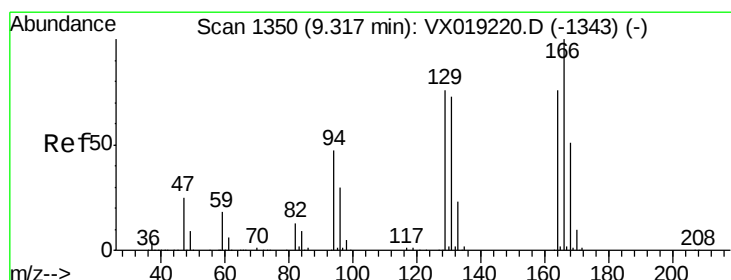
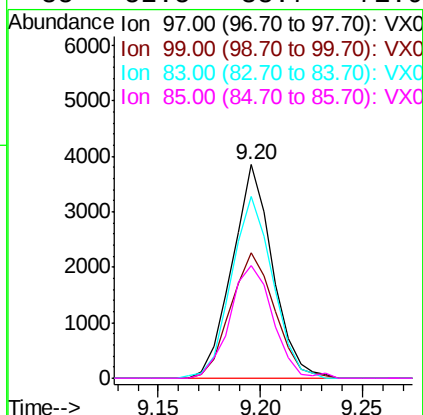
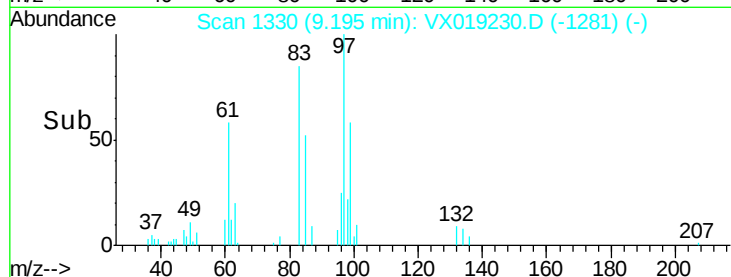
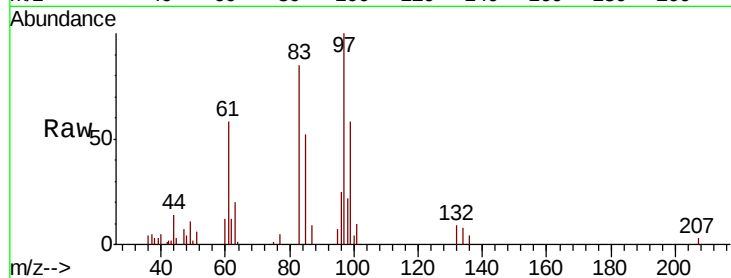




#45
1,1,2-Trichloroethane
Concen: 1.923 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

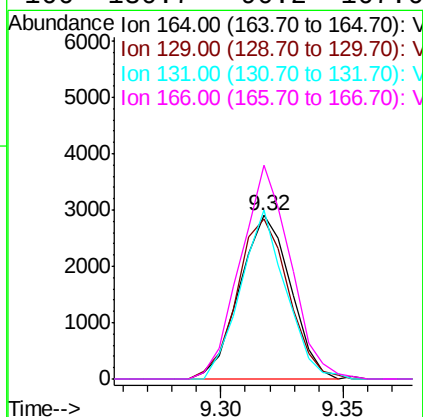
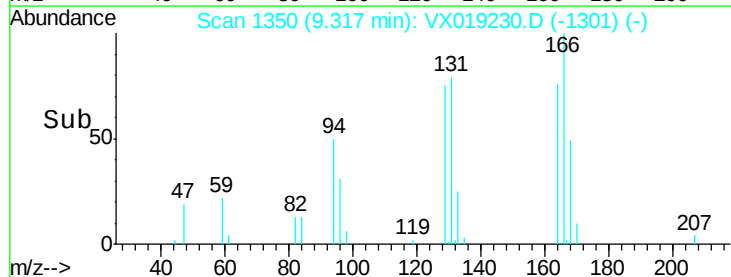
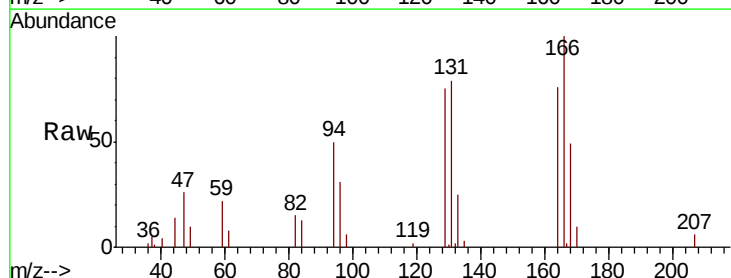
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-03

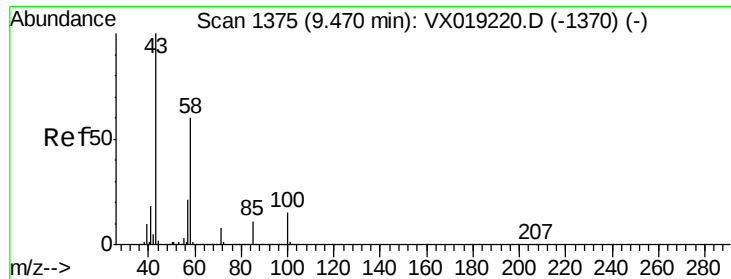
Tot Ion: 97 Resp: 5310
Ion Ratio Lower Upper
97 100
99 58.5 43.3 80.3
83 84.8 59.4 110.4
85 52.5 38.7 71.9



#46
Tetrachloroethene
Concen: 1.807 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 164 Resp: 4211
Ion Ratio Lower Upper
164 100
129 98.2 65.2 121.2
131 103.8 62.5 116.1
166 130.7 90.2 167.6

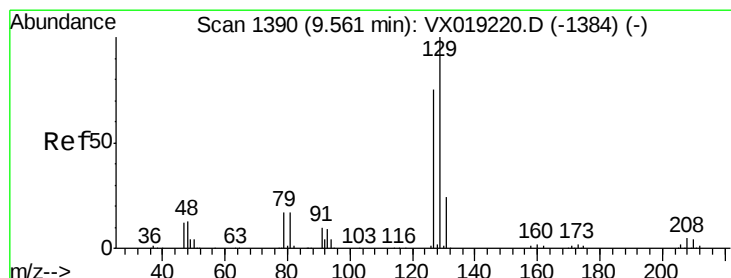
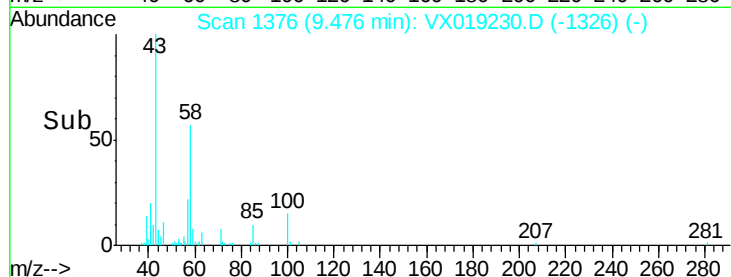
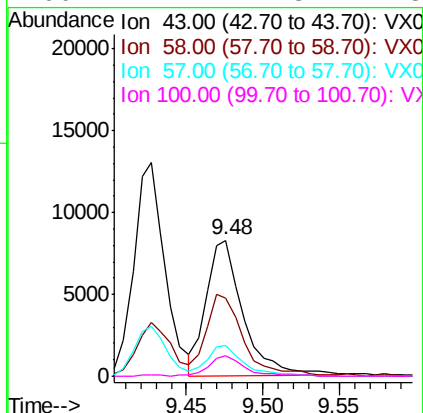
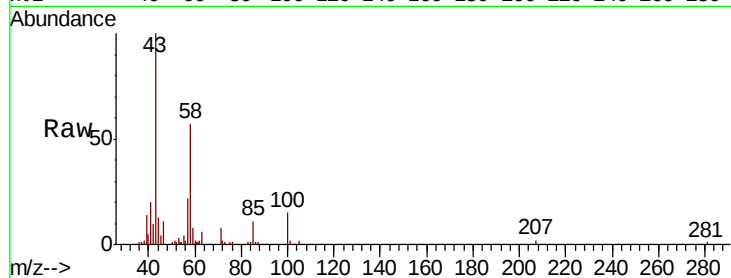




#48
2-Hexanone
Concen: 5.191 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

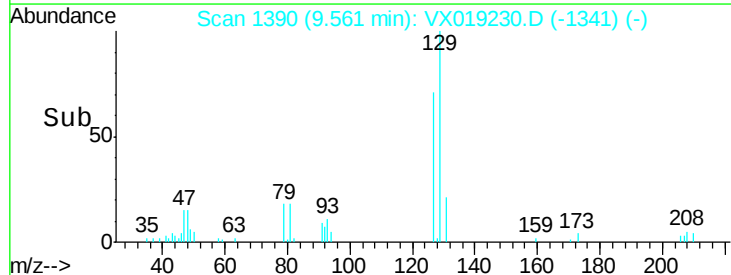
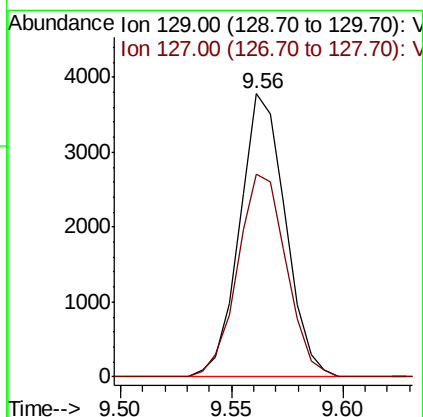
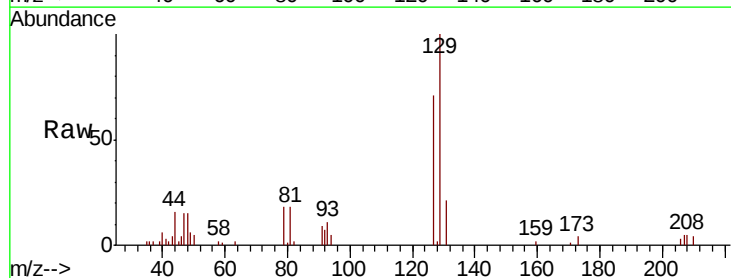
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-03

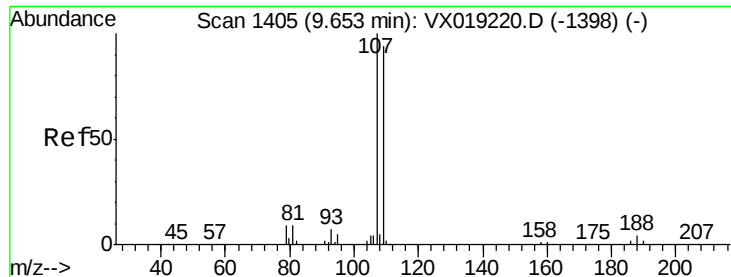
Tot Ion: 43 Resp: 14059
Ion Ratio Lower Upper
43 100
58 57.8 48.2 72.2
57 22.1 17.1 25.7
100 14.1 11.8 17.8



#49
Dibromochloromethane
Concen: 1.790 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 129 Resp: 5407
Ion Ratio Lower Upper
129 100
127 71.5 54.0 100.2

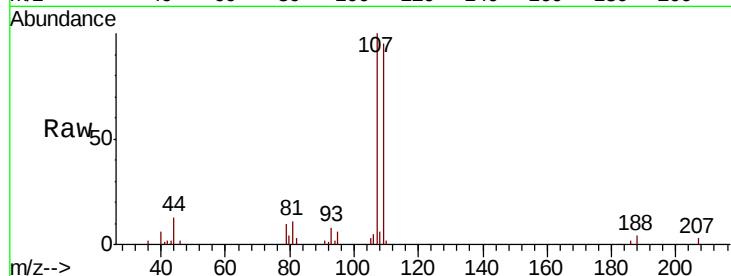




#50
1,2-Dibromoethane
Concen: 1.951 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-03

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	68.1	126.5
188	3.8	3.0	4.4

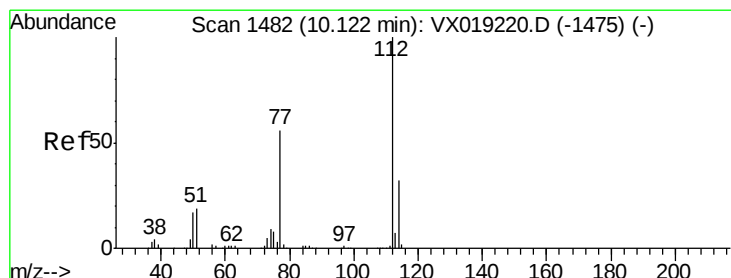
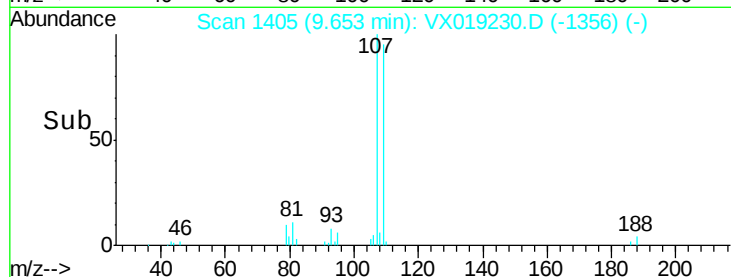
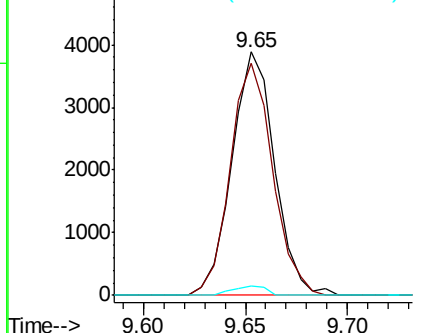


Abundance

Ion 107.00 (106.70 to 107.70): V

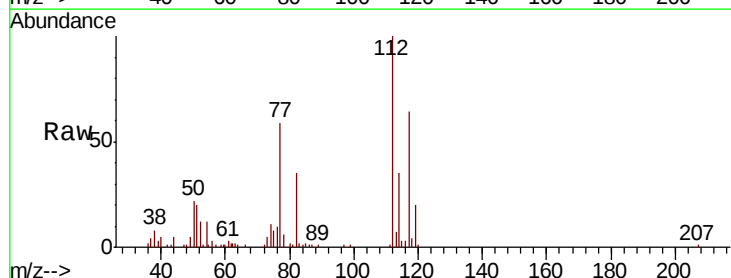
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 1.986 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019230.D
Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.7	22.2	41.2
77	59.3	46.2	69.4

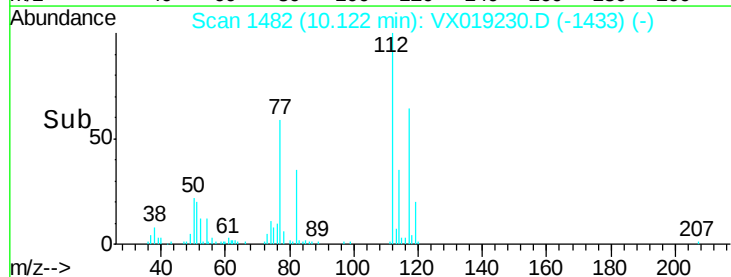
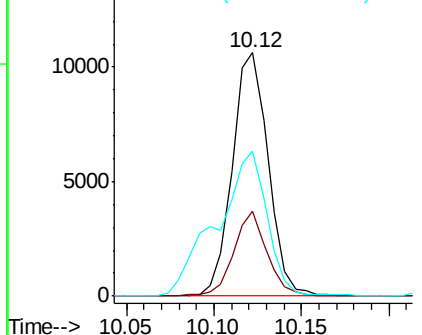


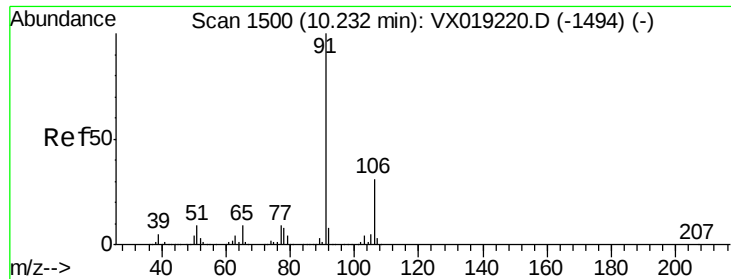
Abundance

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: 1.908 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

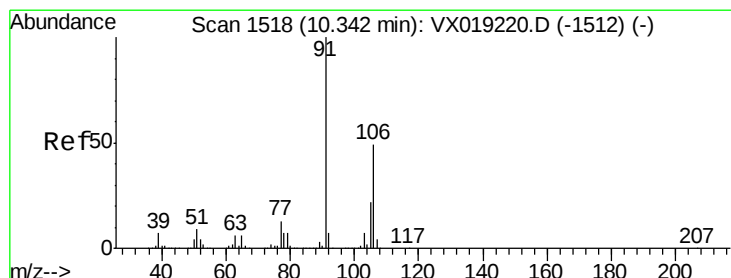
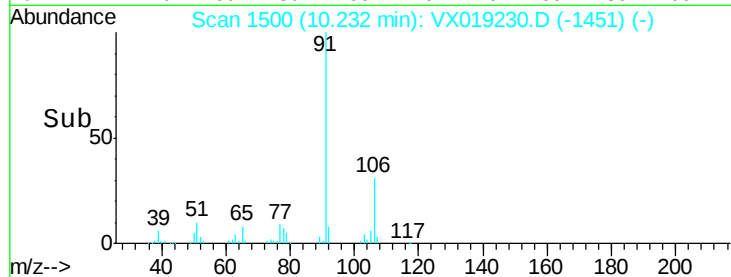
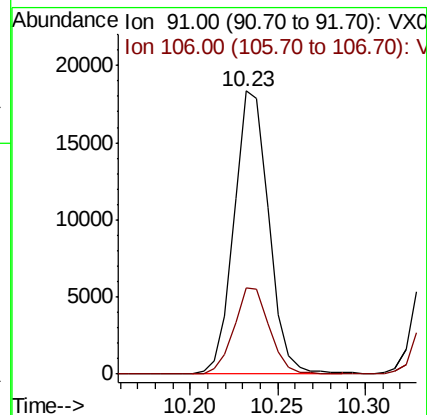
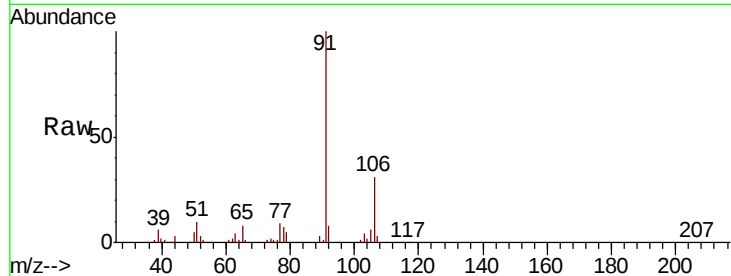
MDL-ME-SOIL-03

Tot Ion: 91 Resp: 25388

Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



#53

m,p-Xylene

Concen: 1.868 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019230.D

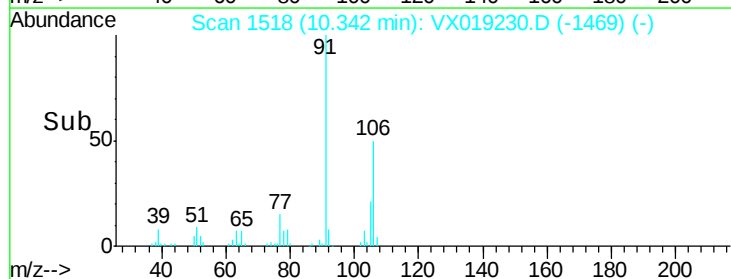
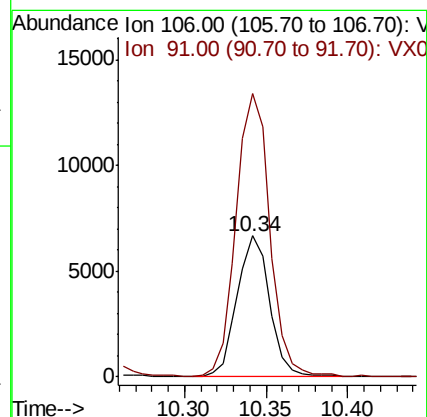
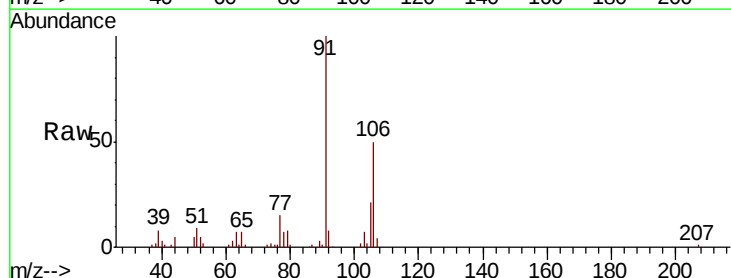
Acq: 03 Nov 2020 13:24

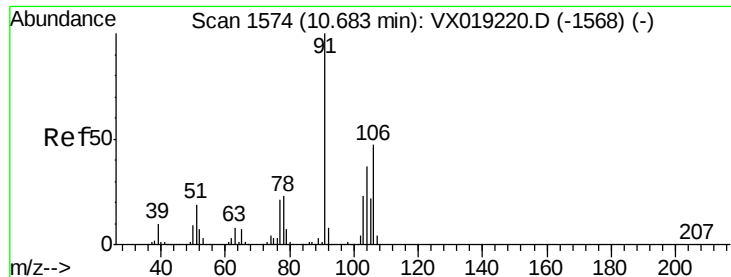
Tgt Ion: 106 Resp: 9336

Ion Ratio Lower Upper

106 100

91 200.9 144.2 267.8





#54

o-Xylene

Concen: 1.844 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

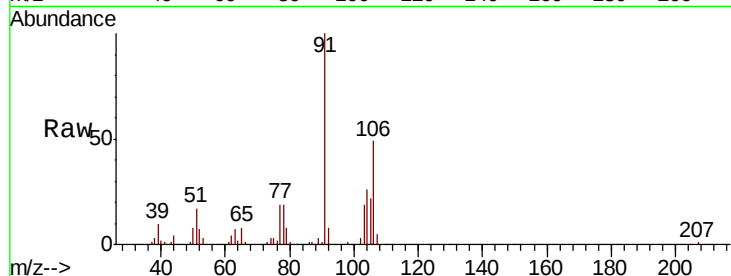
MDL-ME-SOIL-03

Tot Ion:106 Resp: 8926

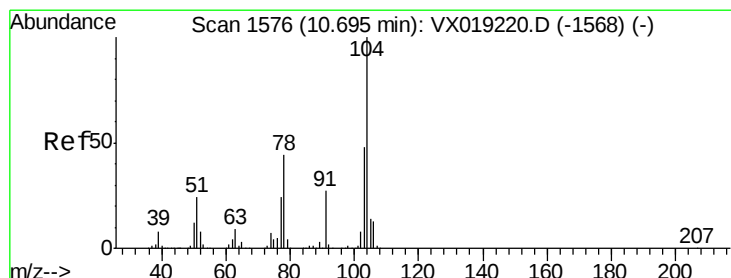
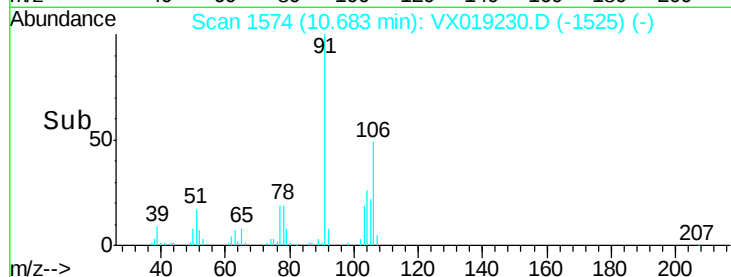
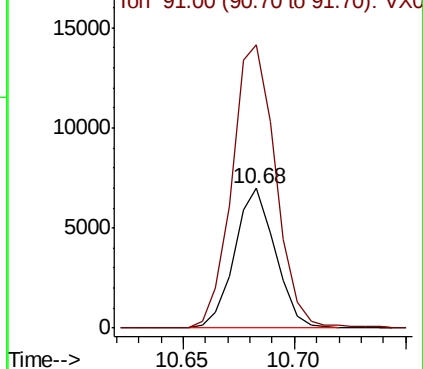
Ion Ratio Lower Upper

106 100

91 202.4 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 1.760 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019230.D

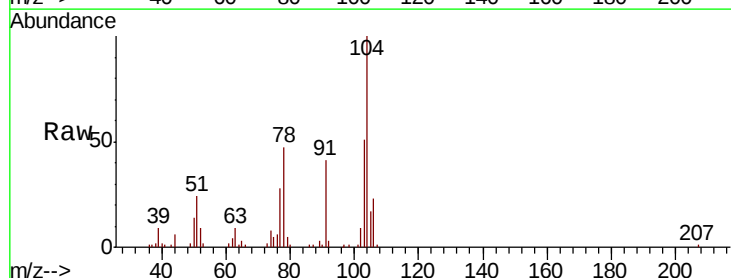
Acq: 03 Nov 2020 13:24

Tgt Ion:104 Resp: 14374

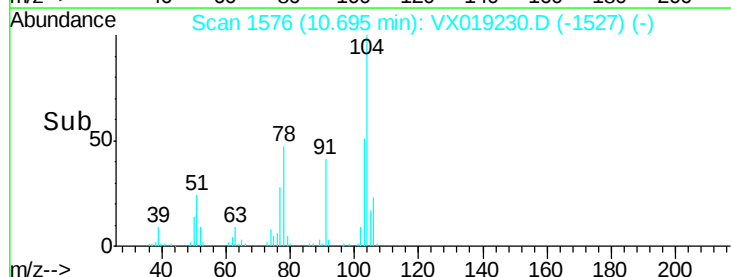
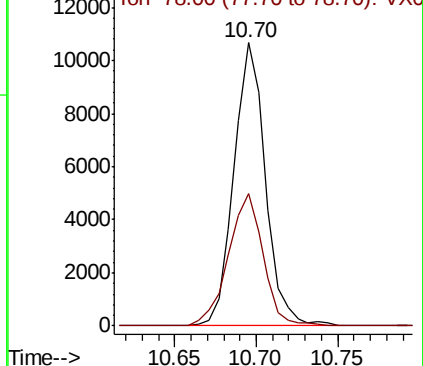
Ion Ratio Lower Upper

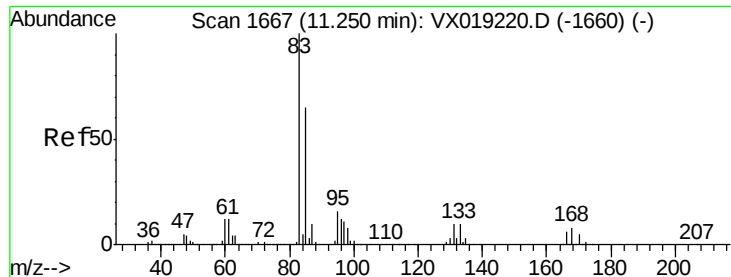
104 100

78 46.8 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

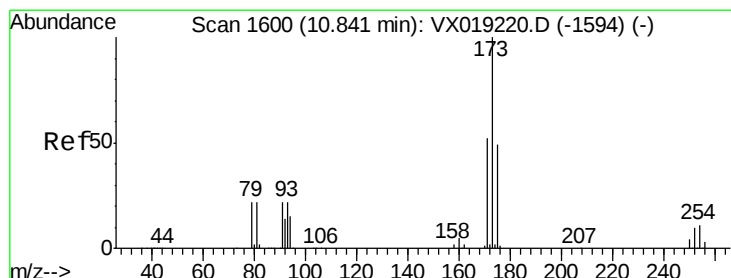
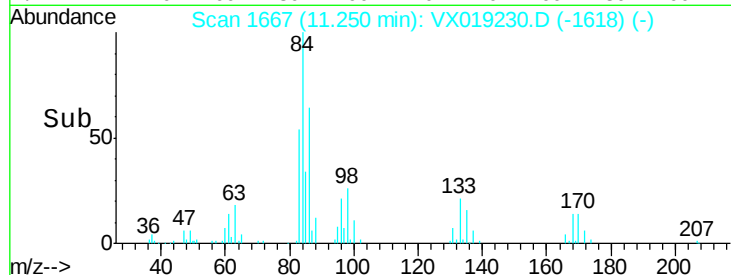
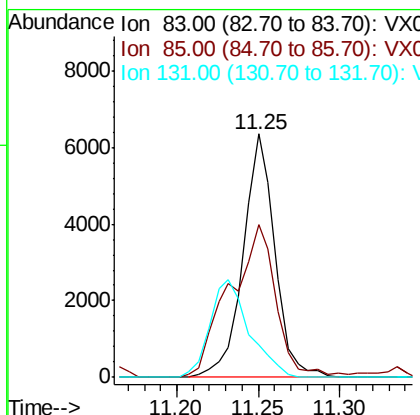
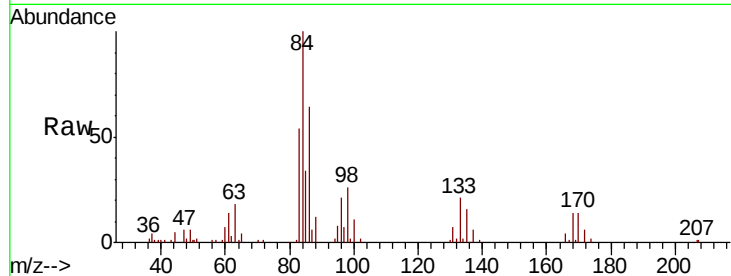




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.282 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019230.D
 Acq: 03 Nov 2020 13:24

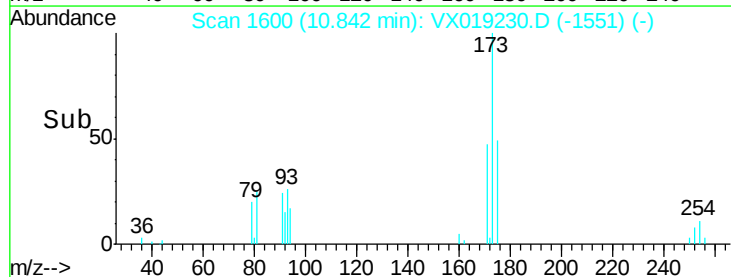
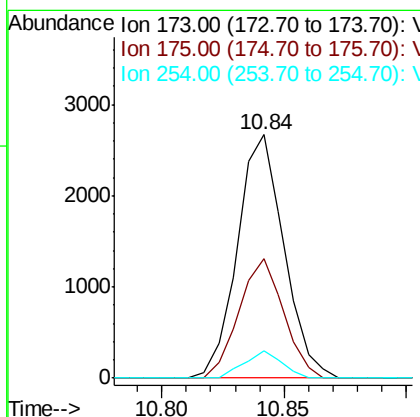
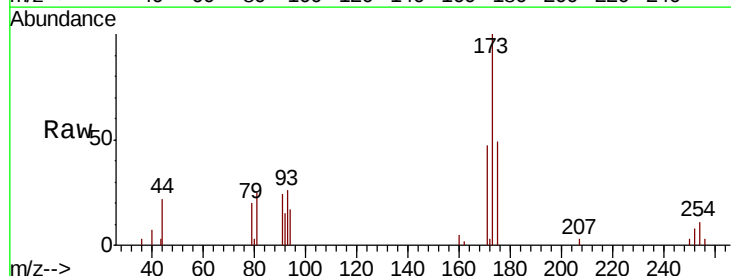
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-03

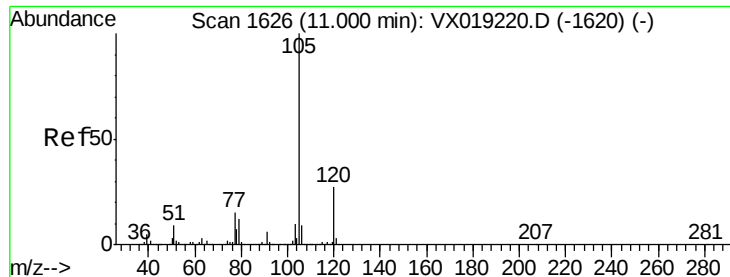
Tot Ion: 83 Resp: 8638
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.9 85.3
 131 13.1 7.7 11.5#



#59
 Bromoform
 Concen: 1.800 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019230.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 173 Resp: 3525
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.7 59.5
 254 9.2 8.2 12.4





#60

Isopropylbenzene

Concen: 1.907 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

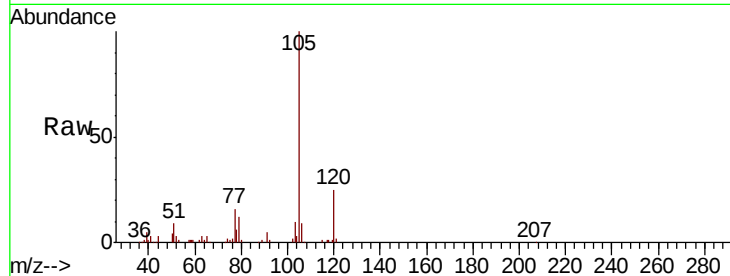
Tot Ion:105 Resp: 23400

Ion Ratio Lower Upper

105 100

120 25.4 21.1 31.7

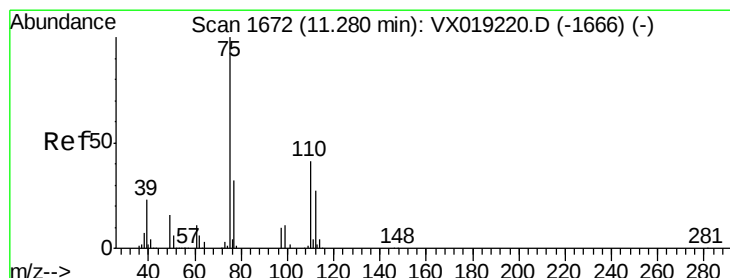
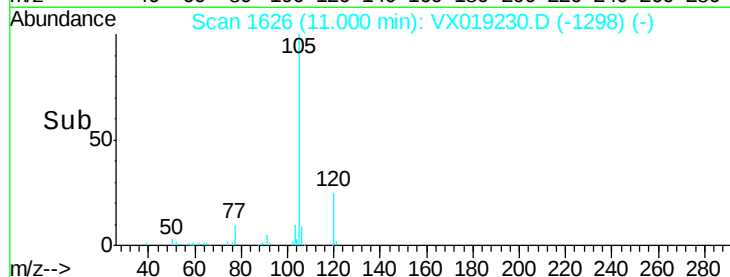
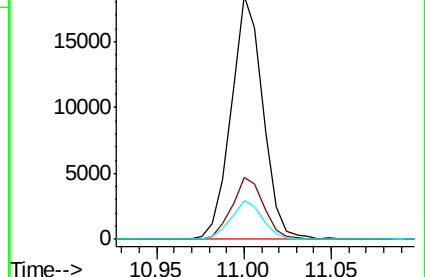
77 16.0 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 2.155 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

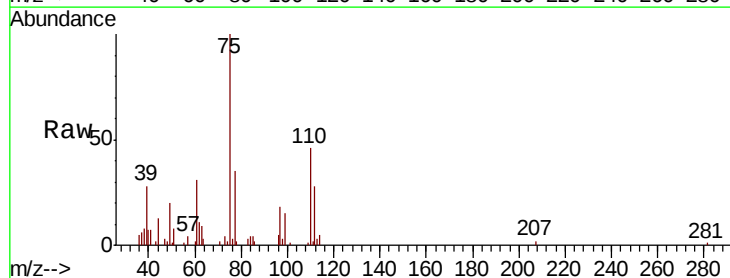
Tgt Ion: 75 Resp: 6636

Ion Ratio Lower Upper

75 100

77 35.0 25.4 38.0

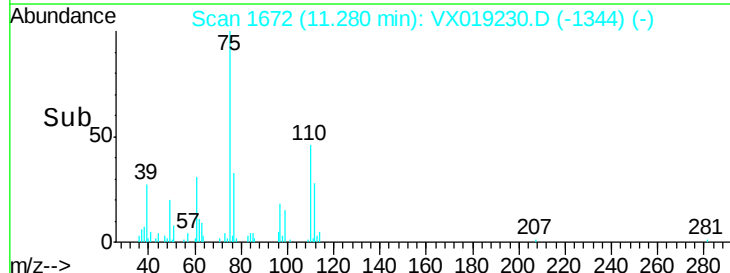
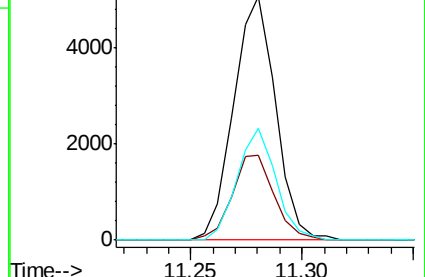
110 42.4 32.2 48.2

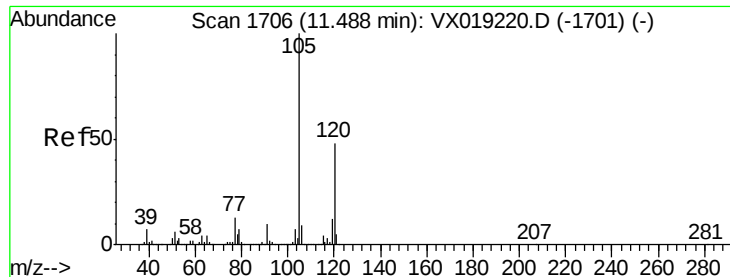


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.755 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

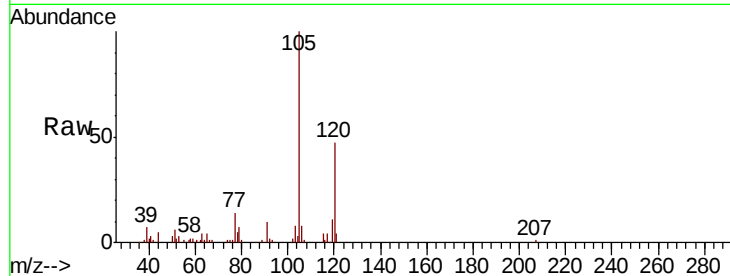
MDL-ME-SOIL-03

Tot Ion:105 Resp: 17716

Ion Ratio Lower Upper

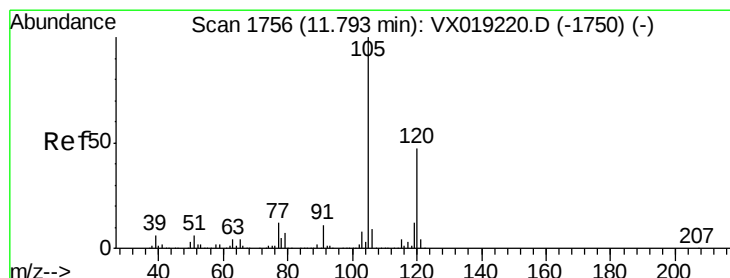
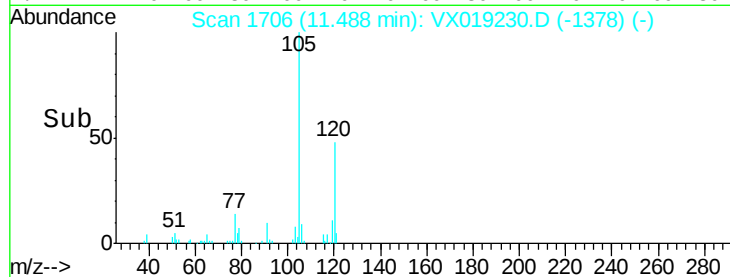
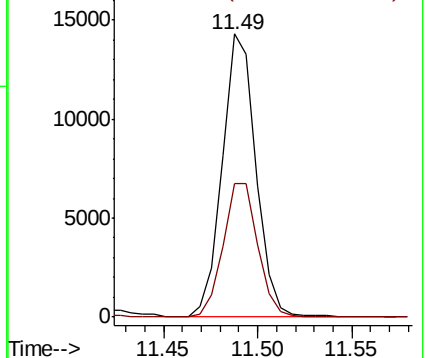
105 100

120 48.9 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.932 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019230.D

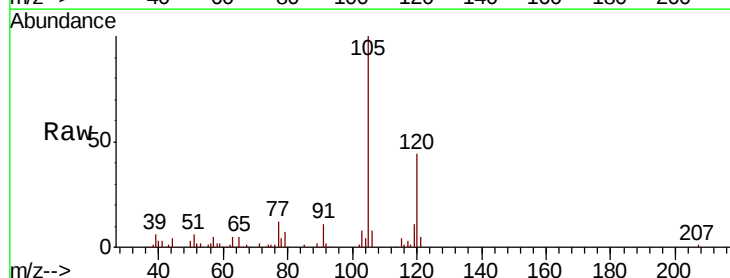
Acq: 03 Nov 2020 13:24

Tgt Ion:105 Resp: 18447

Ion Ratio Lower Upper

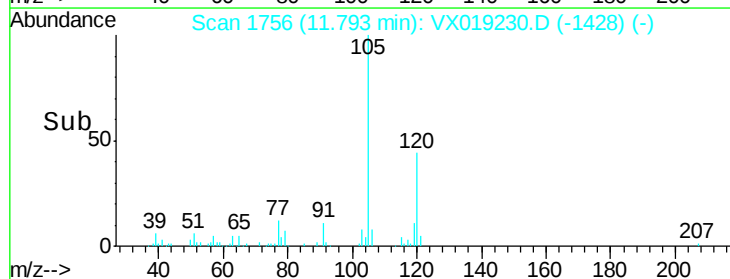
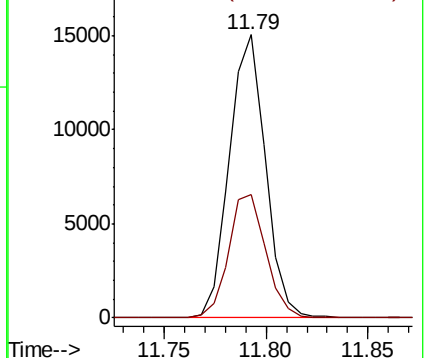
105 100

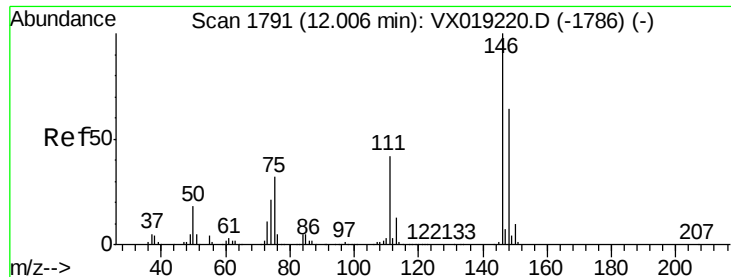
120 44.8 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.957 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

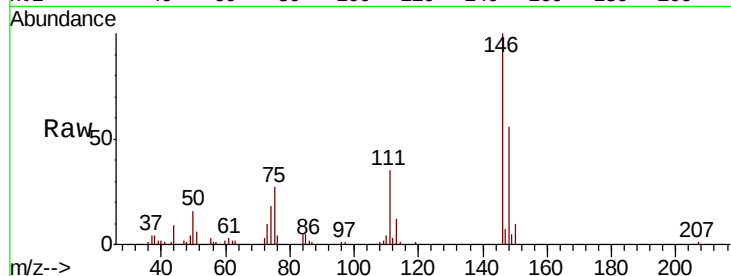
Tot Ion:146 Resp: 10366

Ion Ratio Lower Upper

146 100

111 34.6 29.7 55.1

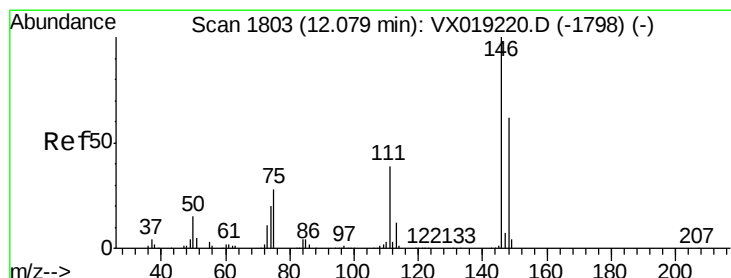
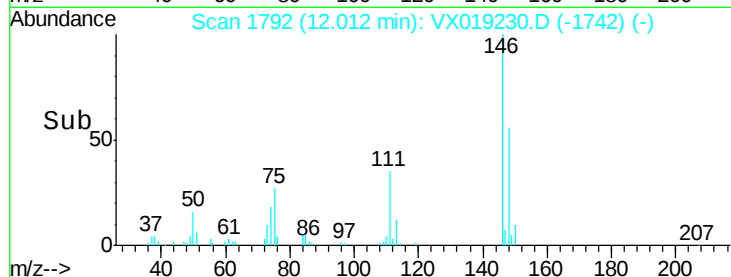
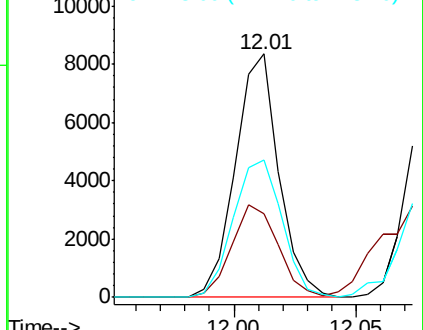
148 56.3 44.5 82.7



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: 1.995 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

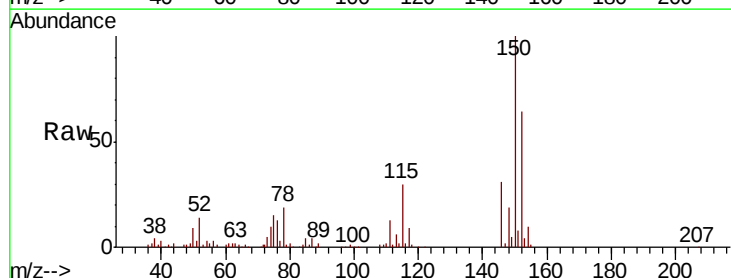
Tgt Ion:146 Resp: 10723

Ion Ratio Lower Upper

146 100

111 42.3 28.1 52.3

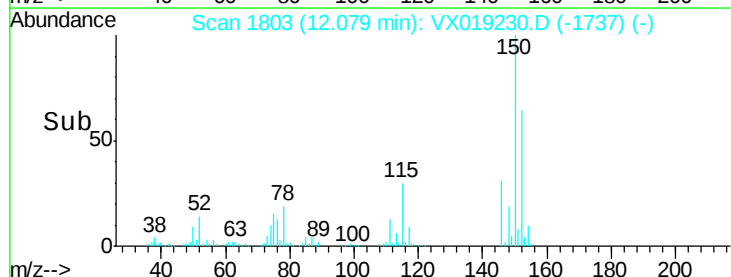
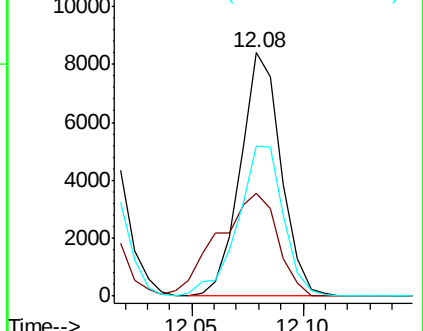
148 61.7 43.8 81.4

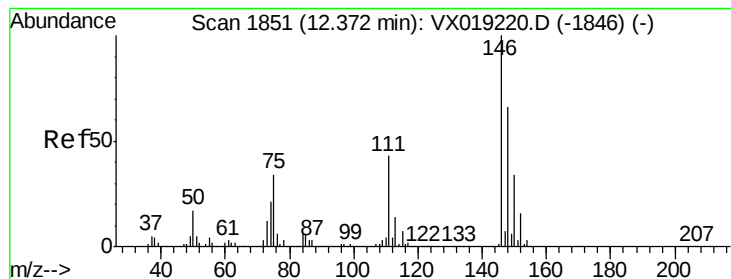


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 1.994 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

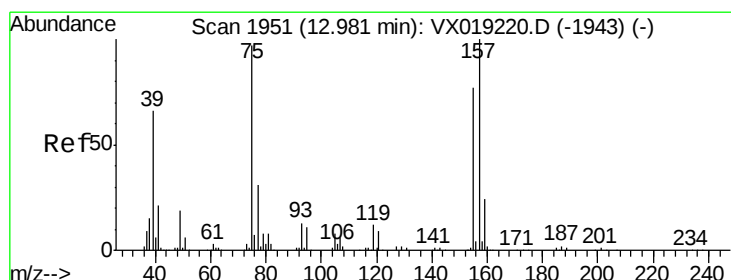
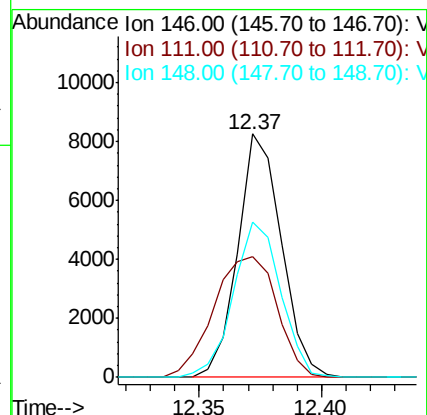
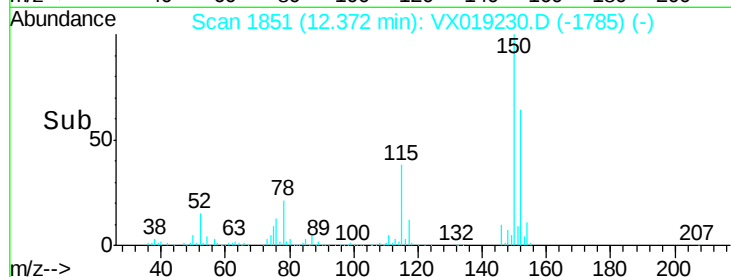
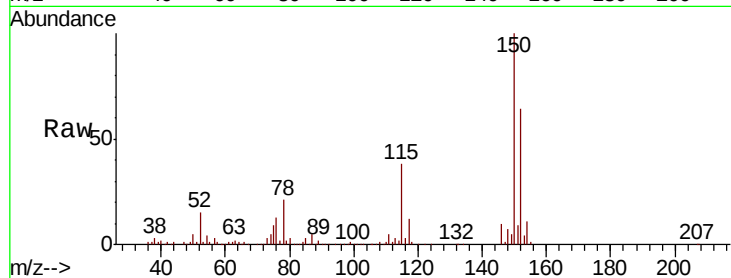
Tot Ion:146 Resp: 10230

Ion Ratio Lower Upper

146 100

111 49.8 35.9 53.9

148 64.0 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.920 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

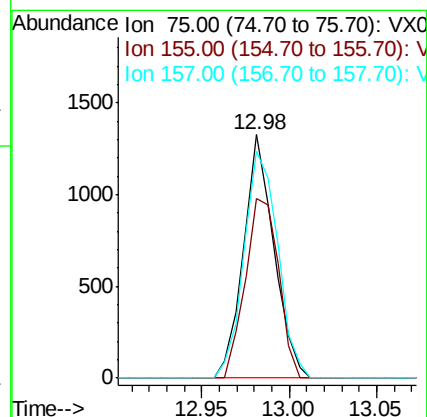
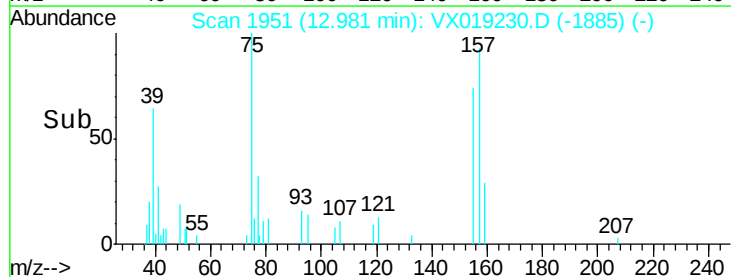
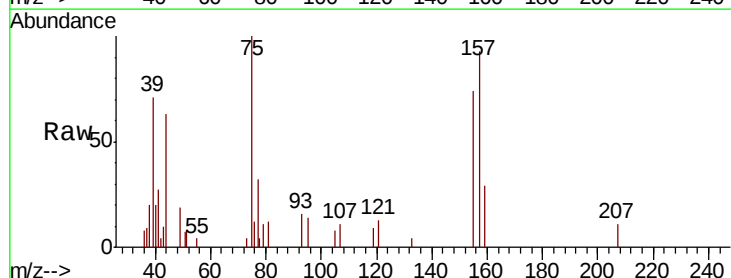
Tgt Ion: 75 Resp: 1610

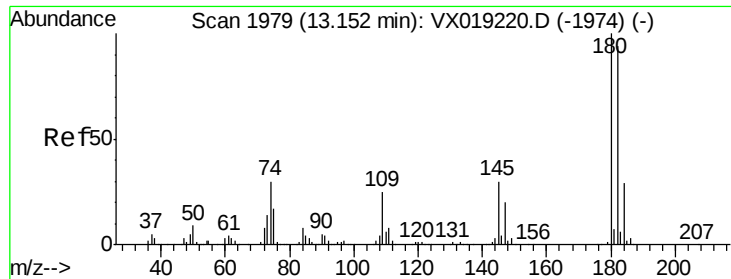
Ion Ratio Lower Upper

75 100

155 73.8 65.8 98.8

157 93.4 82.6 123.8

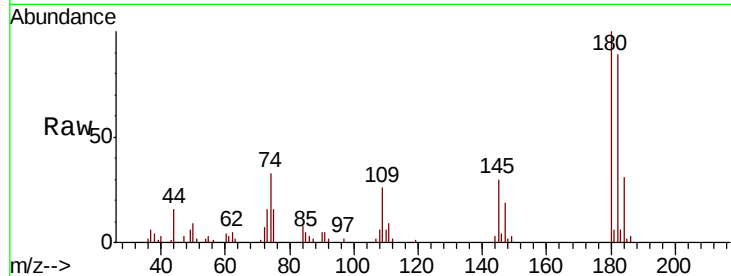




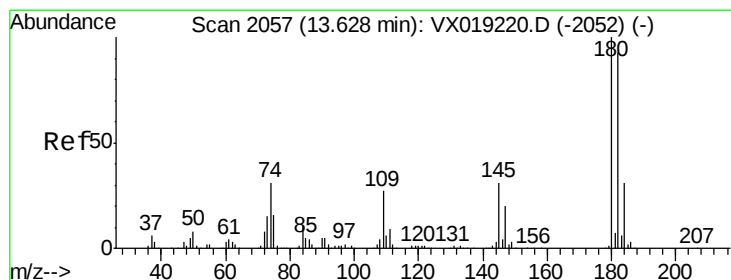
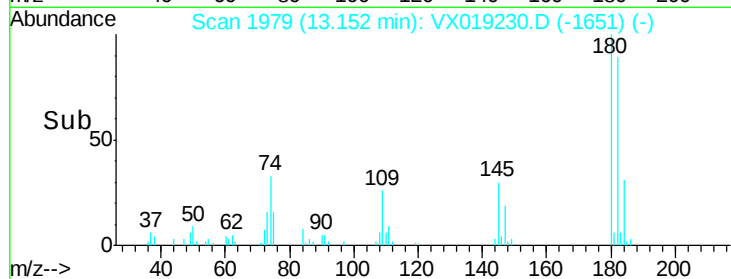
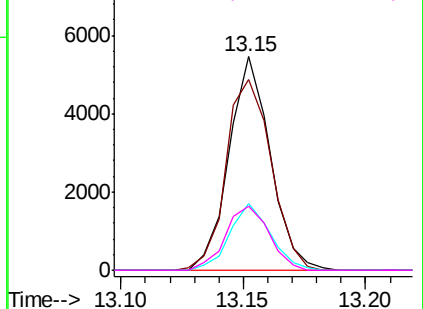
#69
 1,3,5-Trichlorobenzene
 Concen: 1.733 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019230.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-03

Tot Ion:180 Resp: 6430
 Ion Ratio Lower Upper
 180 100
 182 97.2 78.8 118.2
 184 30.6 25.2 37.8
 145 31.7 25.8 38.6

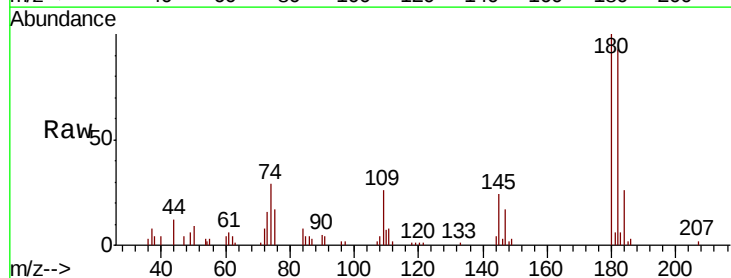


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

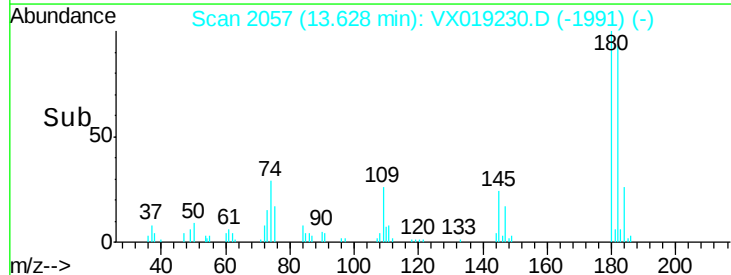
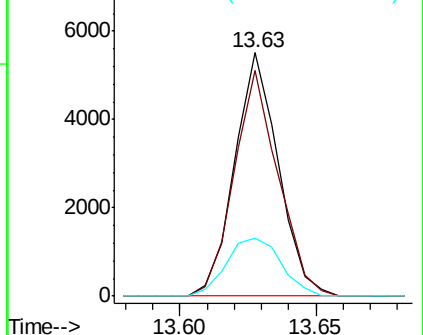


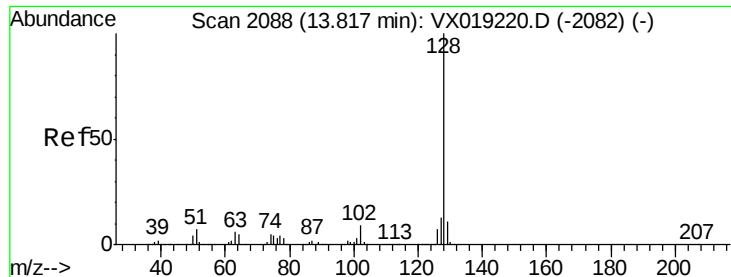
#70
 1,2,4-trichlorobenzene
 Concen: 1.798 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019230.D
 Acq: 03 Nov 2020 13:24

Tgt Ion:180 Resp: 6147
 Ion Ratio Lower Upper
 180 100
 182 93.5 74.6 111.8
 145 29.7 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: 1.703 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-03

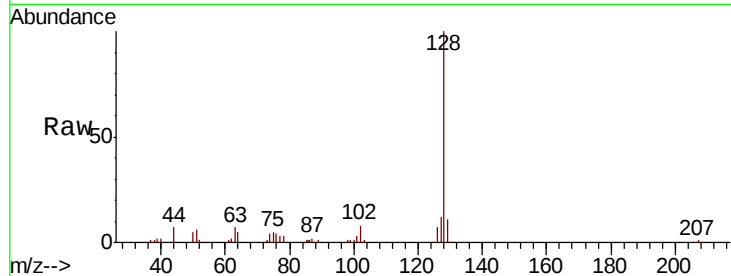
Tot Ion:128 Resp: 18824

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

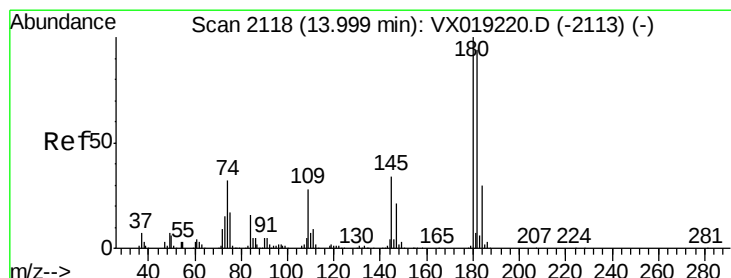
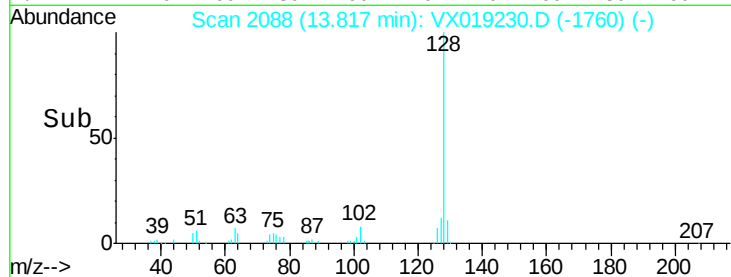
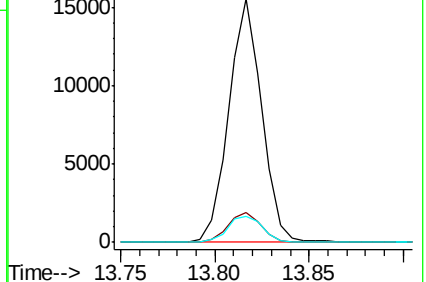
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 1.681 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019230.D

Acq: 03 Nov 2020 13:24

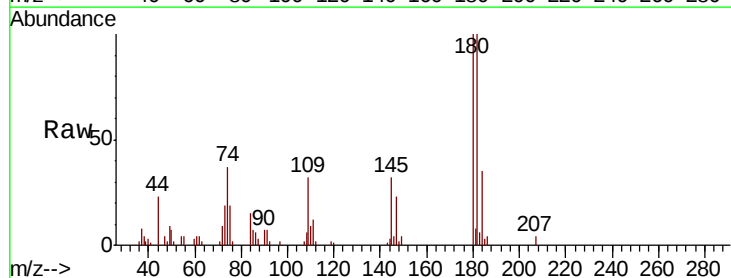
Tgt Ion:180 Resp: 5623

Ion Ratio Lower Upper

180 100

182 102.7 75.3 112.9

145 35.2 27.1 40.7



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

