

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019232.D
 Acq On : 03 Nov 2020 14:09
 Operator : JC/MD
 Sample : L4485-19
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-ME-SOIL-05

Quant Time: Nov 04 01:24:47 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	418319	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	386831	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	184951	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	158034	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.70	69	129571	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.90%
11) 1,1-Dichloroethene-d2	2.34	63	216148	36.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.76%
21) 2-Butanone-d5	4.53	46	208982	113.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.74%
24) Chloroform-d	5.14	84	268628	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	6.03	65	190251	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
32) Benzene-d6	6.05	84	571445	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	7.37	67	175712	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.12%
41) Toluene-d8	8.70	98	533146	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	8.99	79	87049	46.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.58%
47) 2-Hexanone-d5	9.43	63	166414	113.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.62%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	220234	52.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.30%
66) 1,2-Dichlorobenzene-d4	12.36	152	184170	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5923	2.234 ug/L	100
3) Chloromethane	1.31	50	6530	2.424 ug/L	100
5) Vinyl chloride	1.39	62	7693	2.534 ug/L #	60
6) Bromomethane	1.64	94	5070	2.527 ug/L	97
8) Chloroethane	1.72	64	4722	2.496 ug/L	98
9) Trichlorofluoromethane	1.92	101	10380	2.304 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7552	2.907 ug/L #	85
12) 1,1-Dichloroethene	2.36	96	7335	2.910 ug/L #	1
13) Acetone	2.43	43	5710	5.029 ug/L	95
14) Carbon disulfide	2.55	76	16207	2.130 ug/L	100
15) Methyl Acetate	2.75	43	6437	2.598 ug/L	99
16) Methylene chloride	2.84	84	6986	2.485 ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	6128	2.261 ug/L	95
18) Methyl tert-butyl Ether	3.17	73	19193	2.240 ug/L	98
19) 1,1-Dichloroethane	3.67	63	10795	2.242 ug/L	91
20) cis-1,2-Dichloroethene	4.56	96	6872	2.309 ug/L	98
22) 2-Butanone	4.64	43	10161	5.667 ug/L	95

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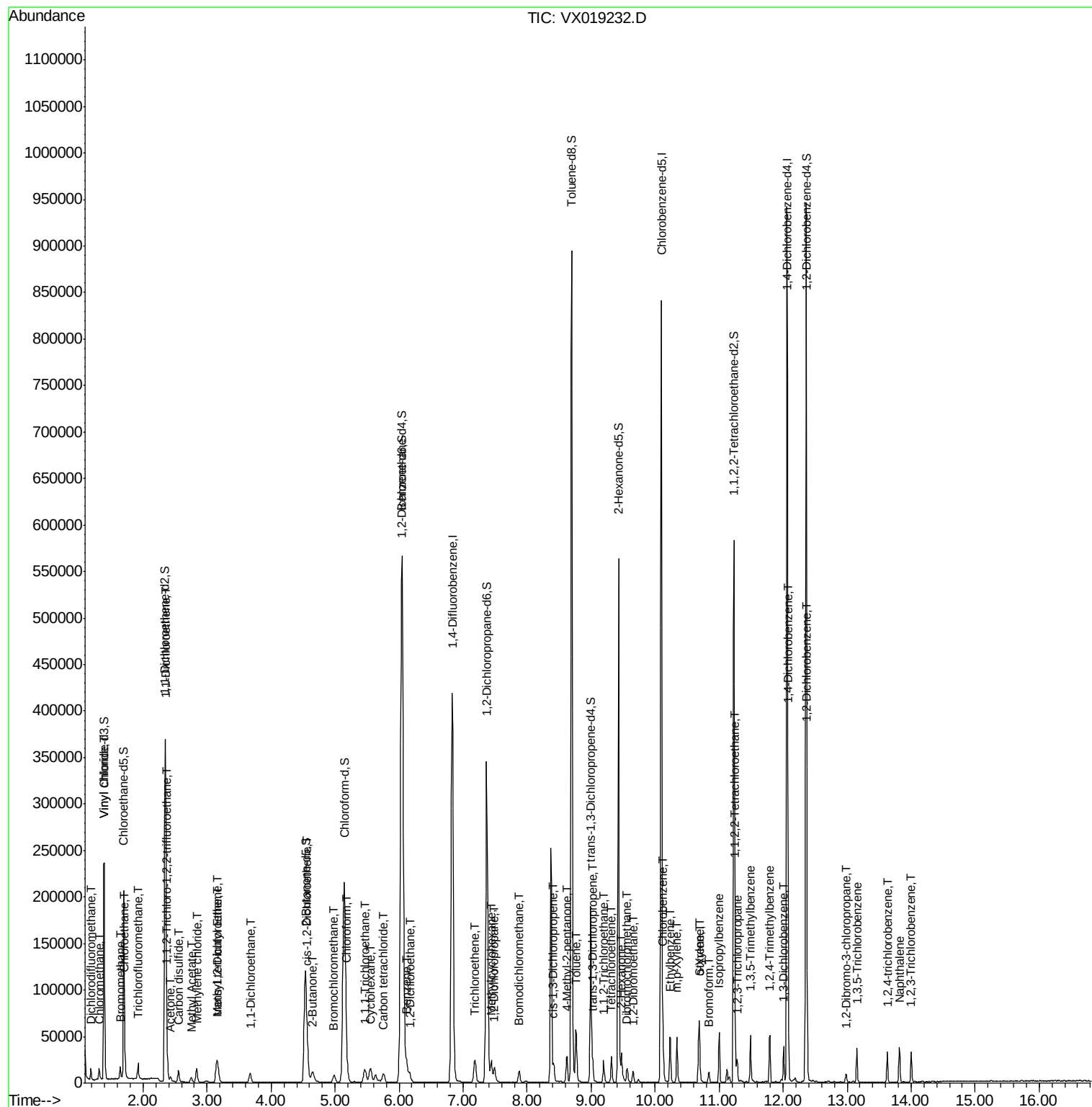
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	3257	2.173	ug/L	94
25) Chloroform	5.18	83	23979	4.744	ug/L	97
27) 1,2-Dichloroethane	6.17	62	10027	2.519	ug/L	98
29) Cyclohexane	5.56	56	10191	2.289	ug/L	97
30) 1,1,1-Trichloroethane	5.46	97	9946	2.133	ug/L #	83
31) Carbon tetrachloride	5.75	117	8410	2.099	ug/L	97
33) Benzene	6.12	78	25601	2.305	ug/L	100
34) Trichloroethene	7.18	95	6772	2.234	ug/L	98
35) Methylcyclohexane	7.44	83	10584	2.206	ug/L	98
37) 1,2-Dichloropropane	7.49	63	6406	2.322	ug/L	100
38) Bromodichloromethane	7.88	83	7976	2.079	ug/L #	99
39) cis-1,3-Dichloropropene	8.42	75	9712	2.119	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	16436	4.872	ug/L	98
42) Toluene	8.76	91	34813	2.882	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10182	2.280	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	6308	2.328	ug/L	97
46) Tetrachloroethene	9.32	164	5180	2.265	ug/L	96
48) 2-Hexanone	9.48	43	16572	6.234	ug/L	97
49) Dibromochloromethane	9.56	129	6201	2.092	ug/L	96
50) 1,2-Dibromoethane	9.65	107	6527	2.303	ug/L #	90
51) Chlorobenzene	10.12	112	17731	2.360	ug/L	96
52) Ethylbenzene	10.24	91	29056	2.225	ug/L	98
53) m,p-Xylene	10.34	106	10999	2.242	ug/L	96
54) o-Xylene	10.68	106	10334	2.175	ug/L	98
55) Styrene	10.70	104	16877	2.106	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.25	83	9869	2.657	ug/L #	95
59) Bromoform	10.84	173	3962	1.978	ug/L	97
60) Isopropylbenzene	11.00	105	28040	2.234	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	7989	2.536	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	21820	2.113	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	22081	2.261	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	12153	2.243	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	12766	2.322	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	12462	2.375	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	1762	2.054	ug/L	87
69) 1,3,5-Trichlorobenzene	13.15	180	8376	2.207	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	7389	2.112	ug/L	99
71) Naphthalene	13.82	128	22292	1.971	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	7146	2.088	ug/L	97

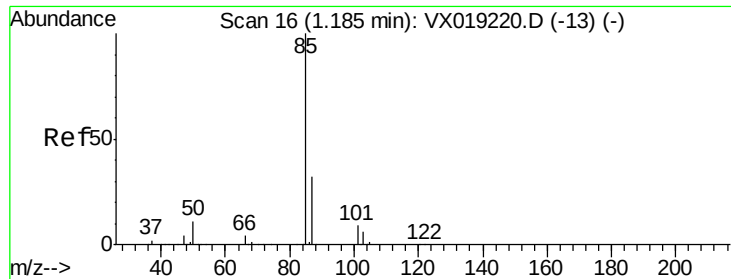
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.234 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

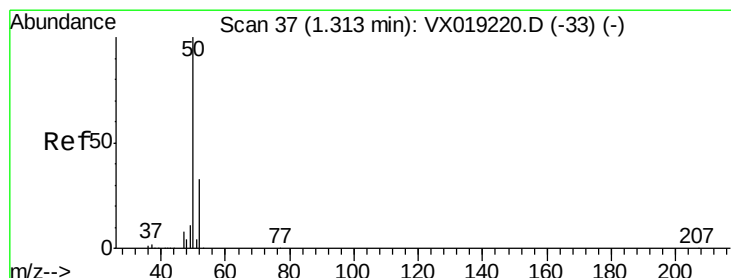
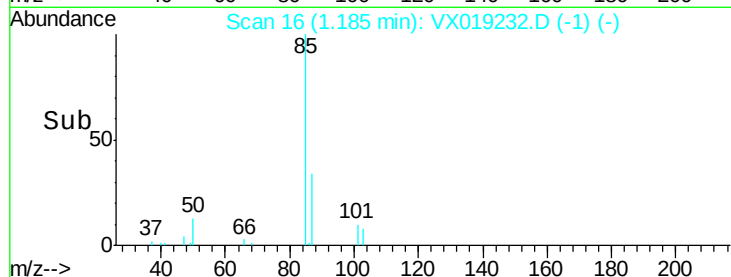
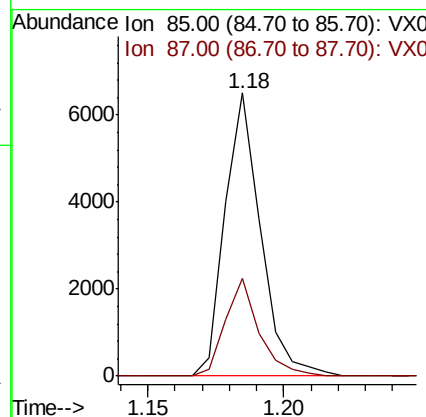
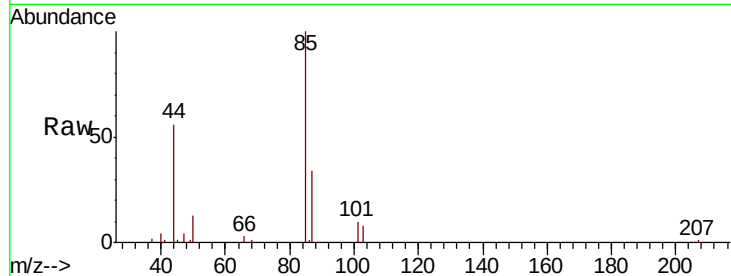
MDL-ME-SOIL-05

Tot Ion: 85 Resp: 5923

Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



#3

Chloromethane

Concen: 2.424 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019232.D

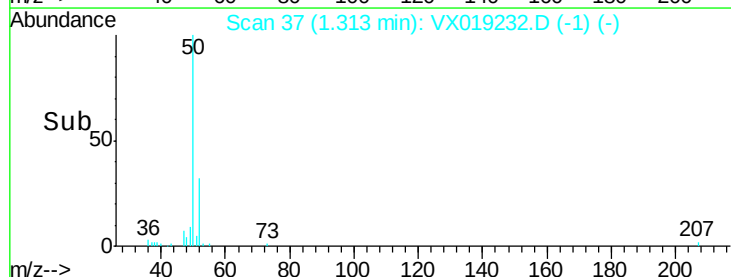
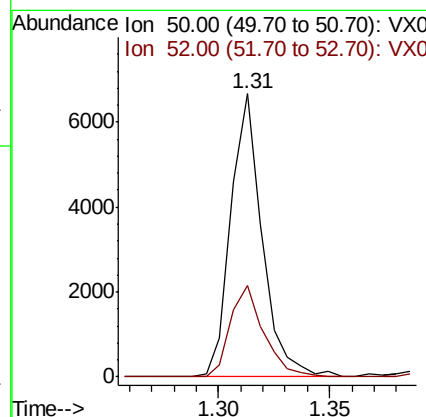
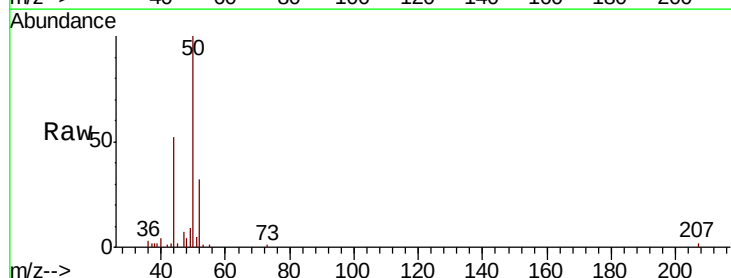
Acq: 03 Nov 2020 14:09

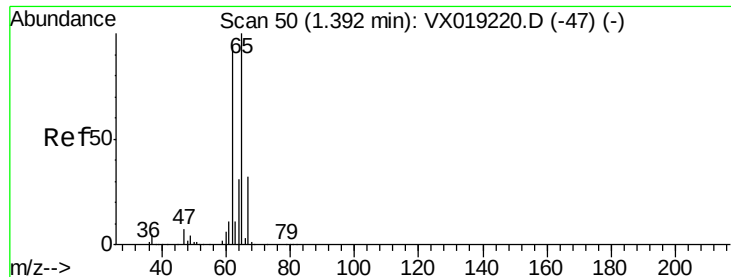
Tgt Ion: 50 Resp: 6530

Ion Ratio Lower Upper

50 100

52 32.3 22.8 42.4





#5

Vinyl chloride

Concen: 2.534 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

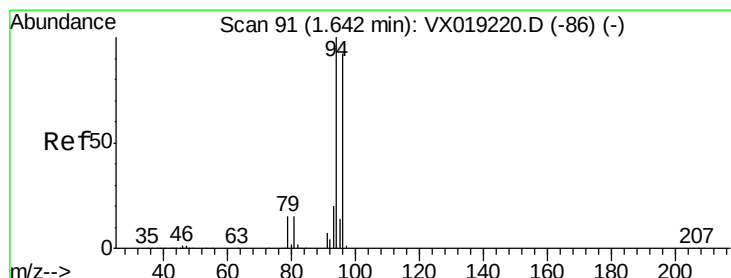
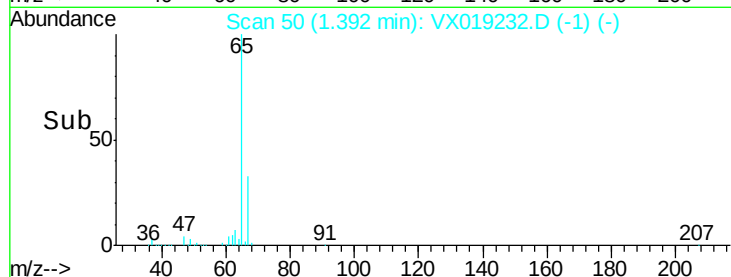
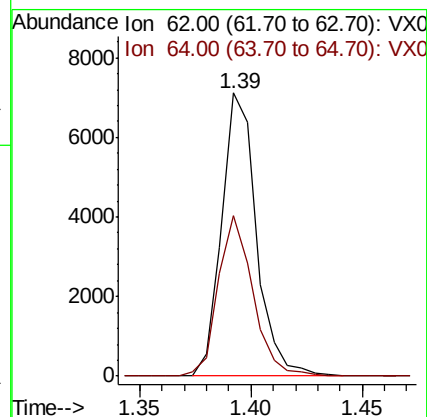
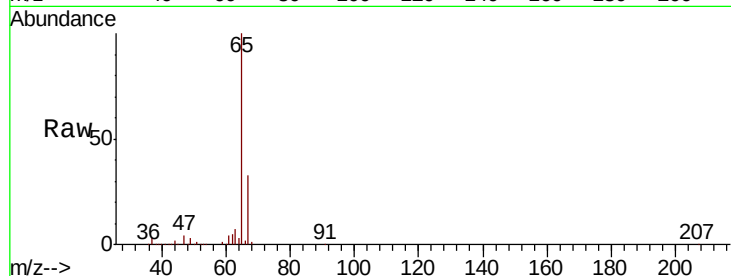
MDL-ME-SOIL-05

Tot Ion: 62 Resp: 7693

Ion Ratio Lower Upper

62 100

64 56.5 23.4 43.6#



#6

Bromomethane

Concen: 2.527 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX019232.D

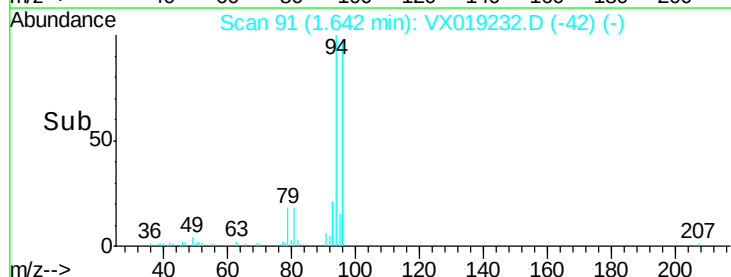
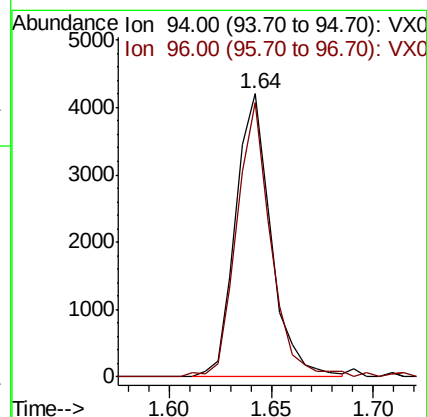
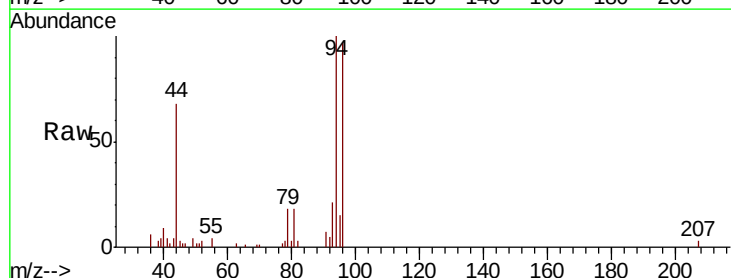
Acq: 03 Nov 2020 14:09

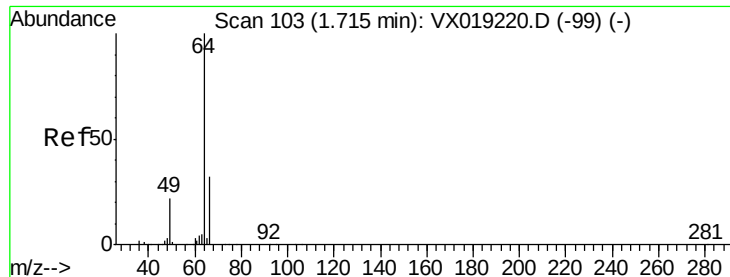
Tgt Ion: 94 Resp: 5070

Ion Ratio Lower Upper

94 100

96 97.0 66.0 122.6

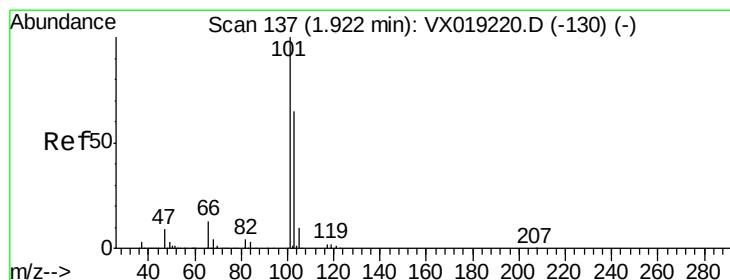
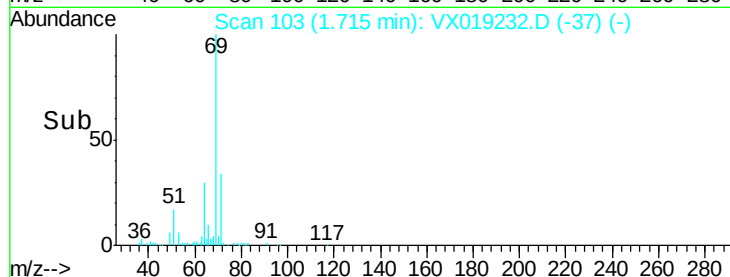
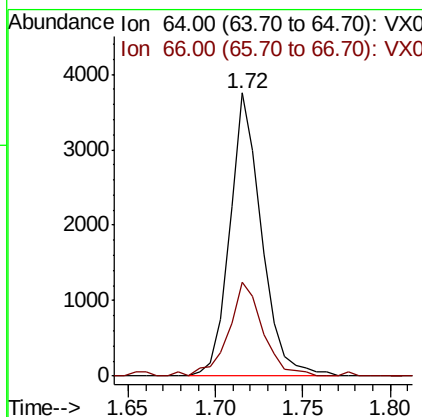
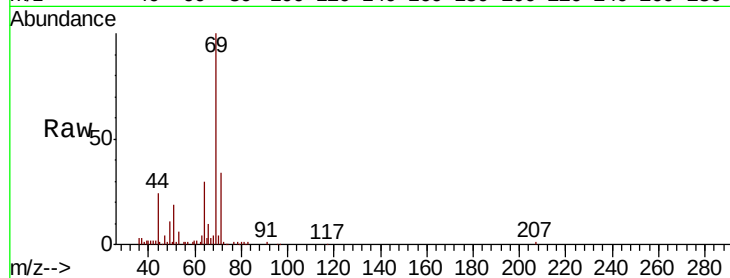




#8
Chloroethane
Concen: 2.496 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

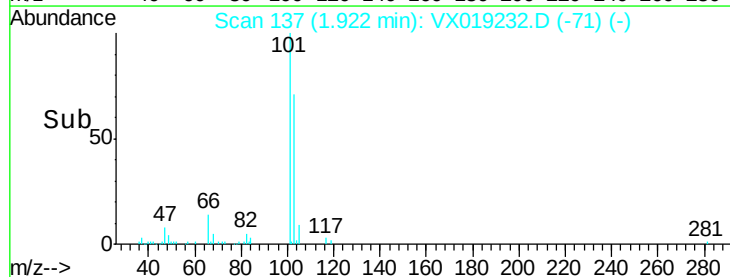
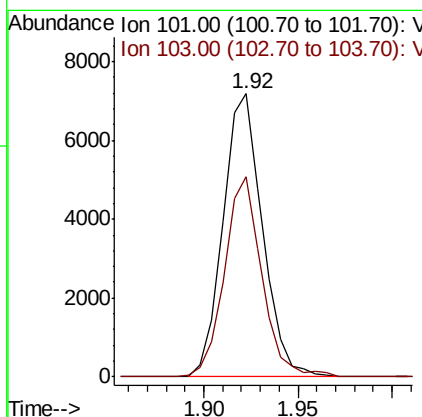
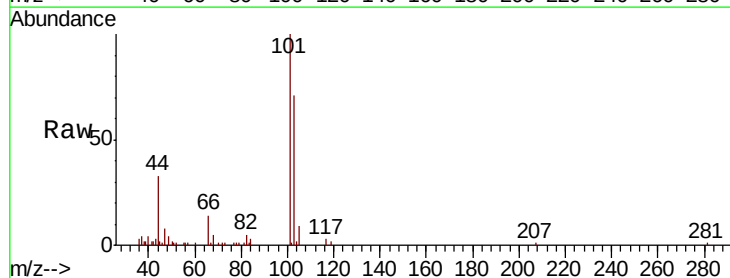
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

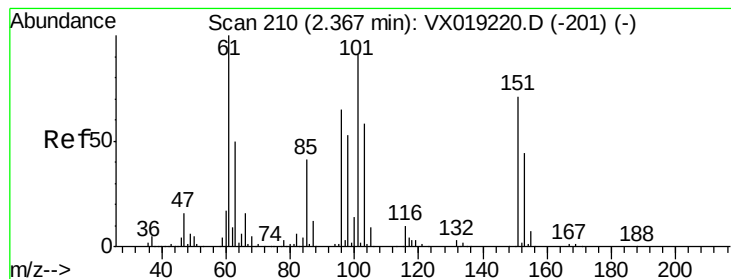
Tot Ion: 64 Resp: 4722
Ion Ratio Lower Upper
64 100
66 33.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.304 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion: 101 Resp: 10380
Ion Ratio Lower Upper
101 100
103 66.4 51.3 76.9





#10

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

Concen: 2.907 ug/L

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

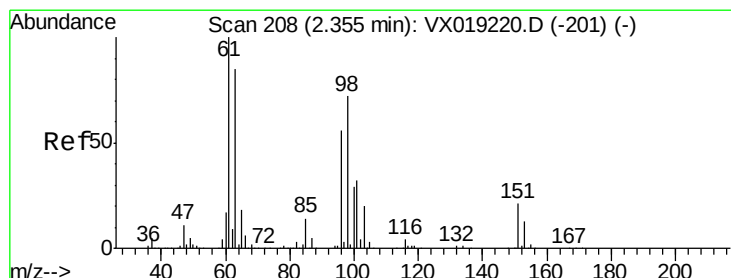
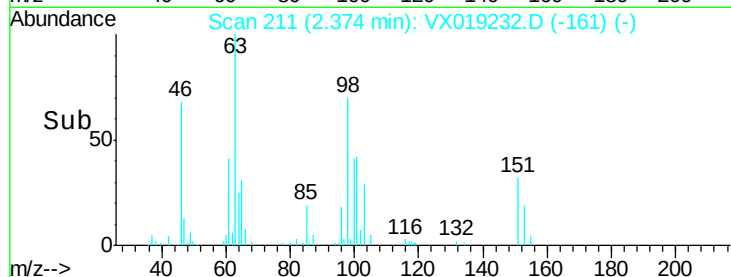
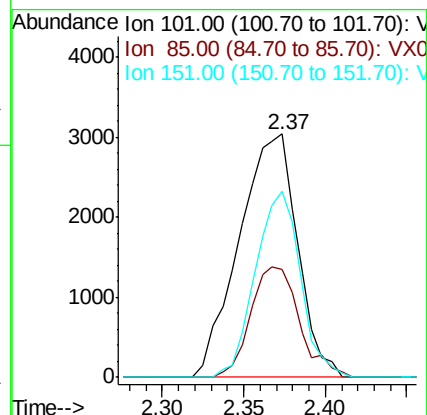
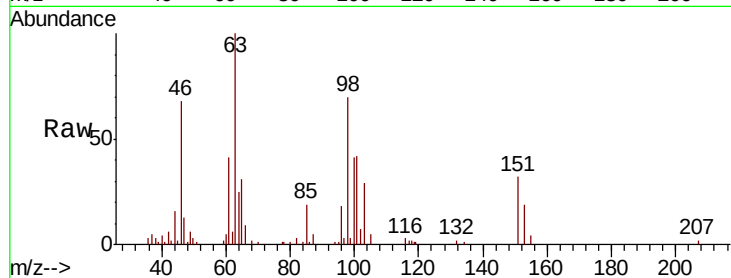
Tot Ion:101 Resp: 7552

Ion Ratio Lower Upper

101 100

85 38.0 35.0 52.4

151 59.2 59.9 89.9#



#12

1,1-Dichloroethene

Concen: 2.910 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

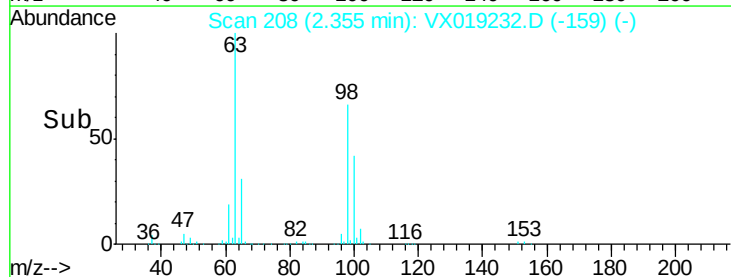
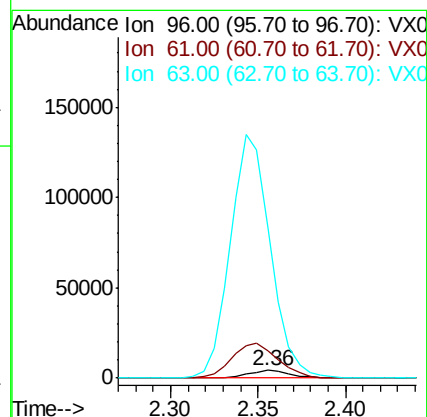
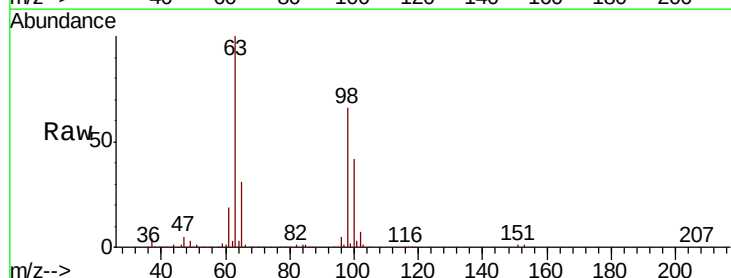
Tgt Ion: 96 Resp: 7335

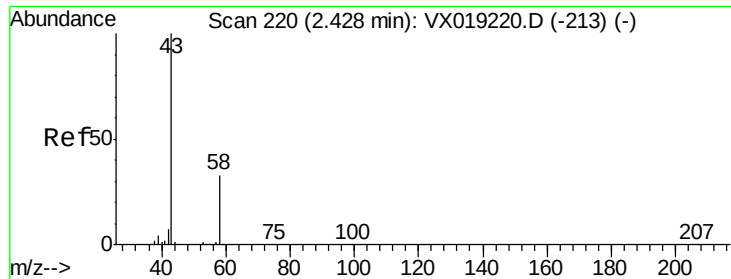
Ion Ratio Lower Upper

96 100

61 368.8 115.1 213.8#

63 1992.4 78.3 145.5#





#13

Acetone

Concen: 5.029 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

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Acq: 03 Nov 2020 14:09

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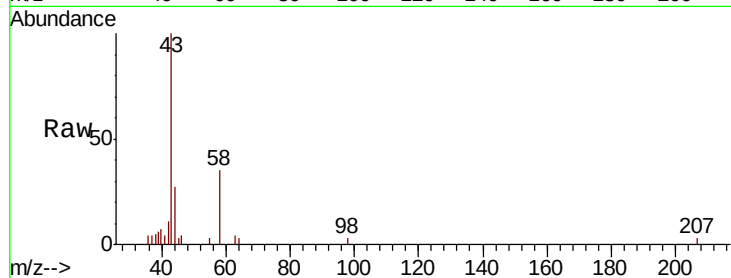
MDL-ME-SOIL-05

Tot Ion: 43 Resp: 5710

Ion Ratio Lower Upper

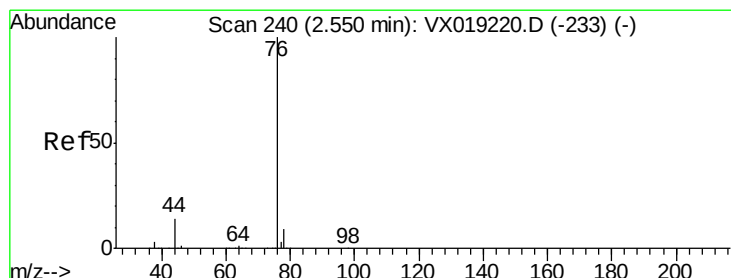
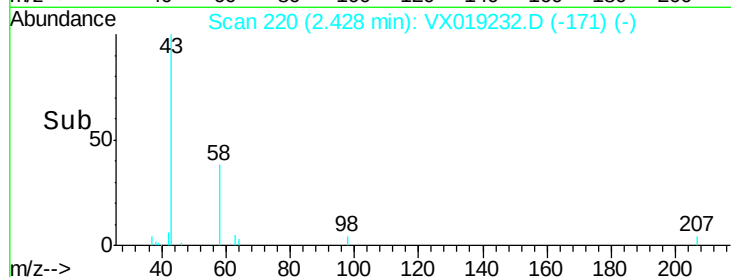
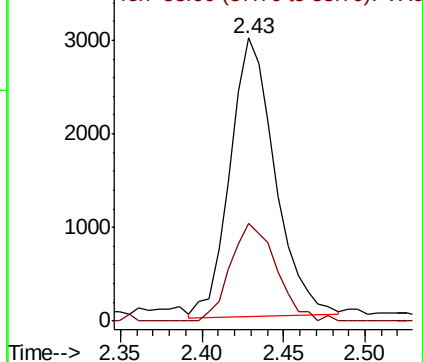
43 100

58 35.3 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: 2.130 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019232.D

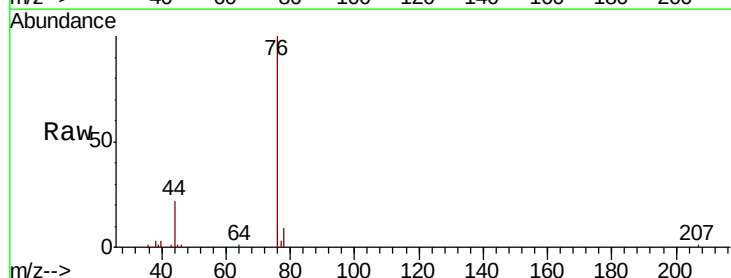
Acq: 03 Nov 2020 14:09

Tgt Ion: 76 Resp: 16207

Ion Ratio Lower Upper

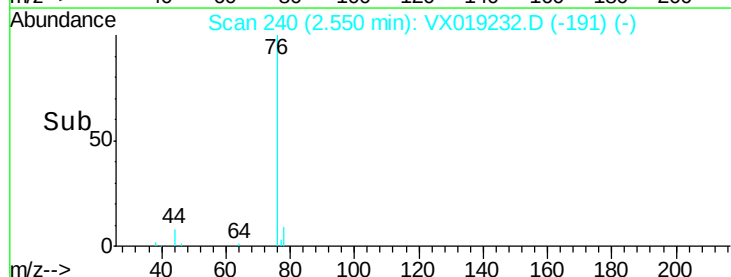
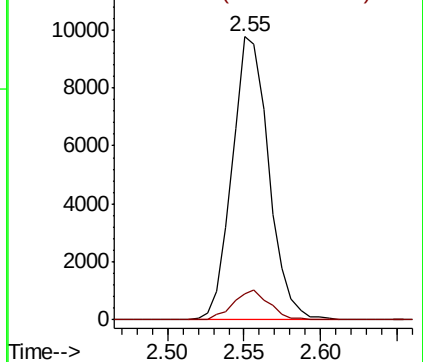
76 100

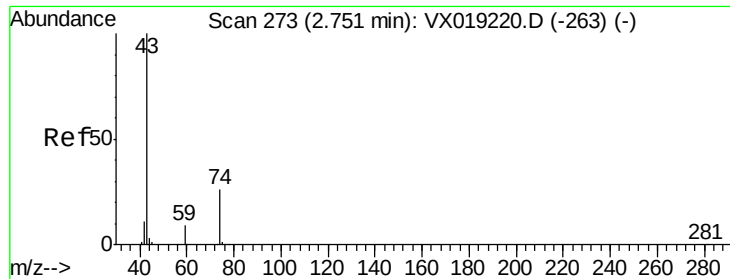
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

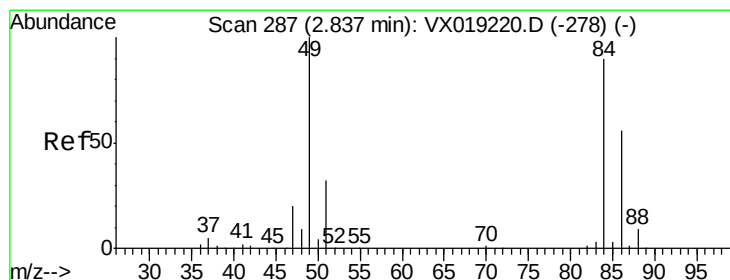
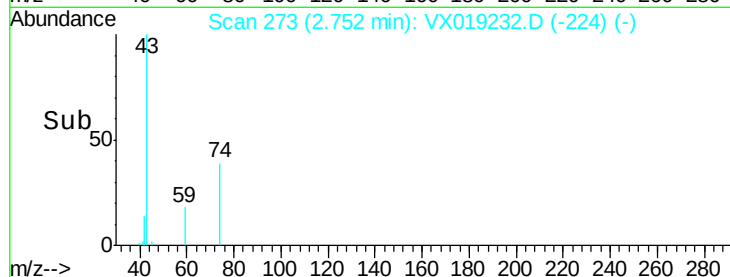
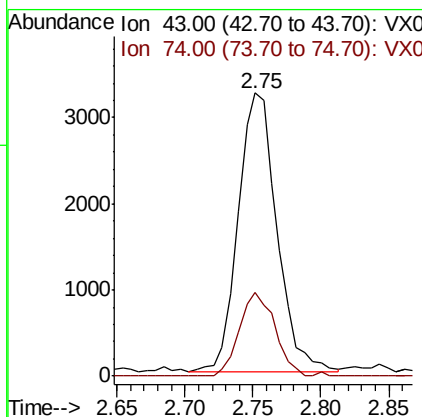
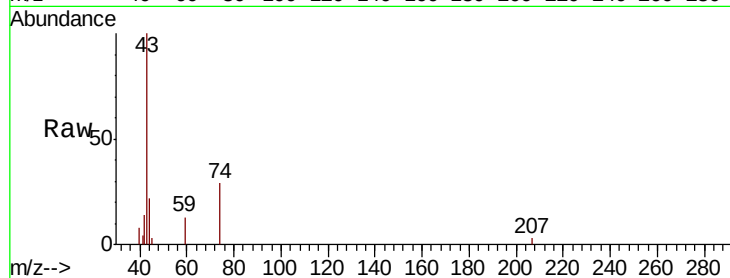




#15
Methvl Acetate
Concen: 2.598 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

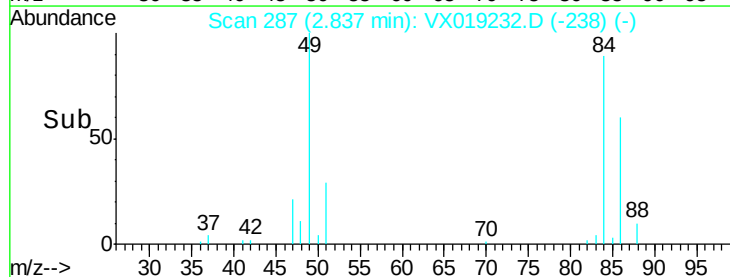
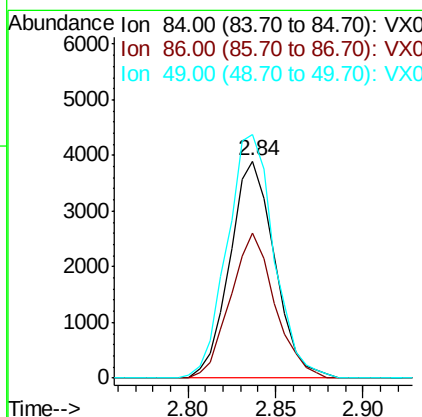
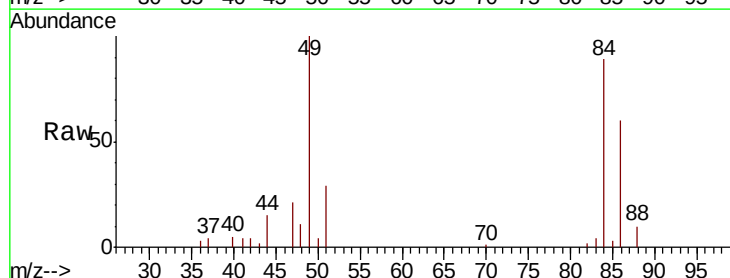
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

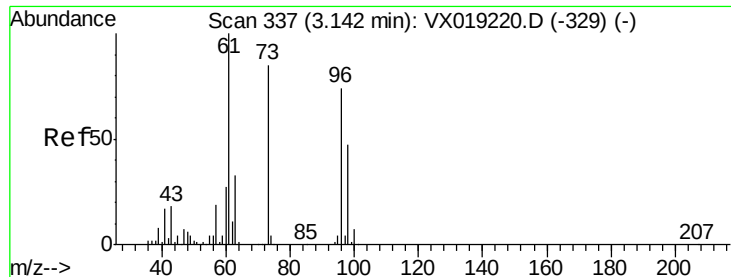
Tot Ion: 43 Resp: 6437
Ion Ratio Lower Upper
43 100
74 27.6 21.8 32.8



#16
Methylene chloride
Concen: 2.485 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion: 84 Resp: 6986
Ion Ratio Lower Upper
84 100
86 66.7 44.0 81.6
49 112.0 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.261 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

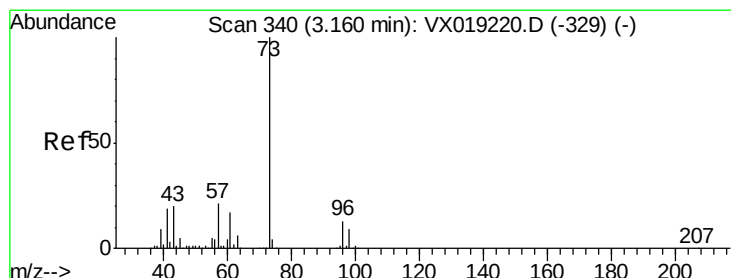
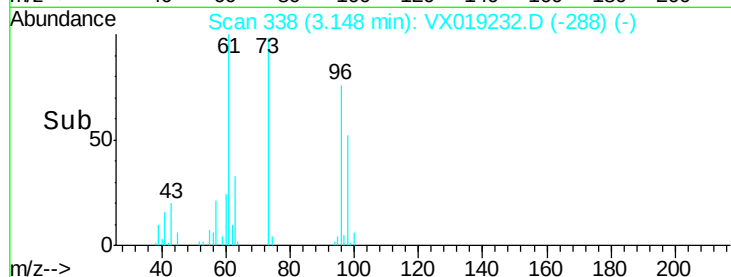
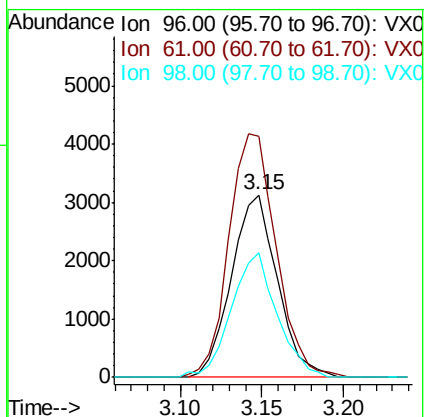
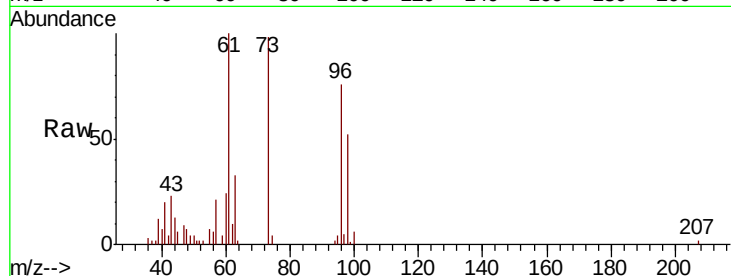
Tot Ion: 96 Resp: 6128

Ion Ratio Lower Upper

96 100

61 132.1 95.7 177.7

98 68.4 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.240 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

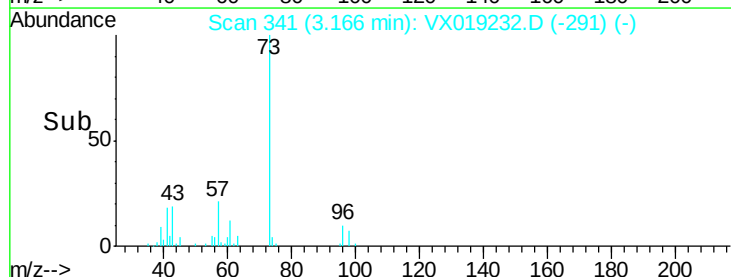
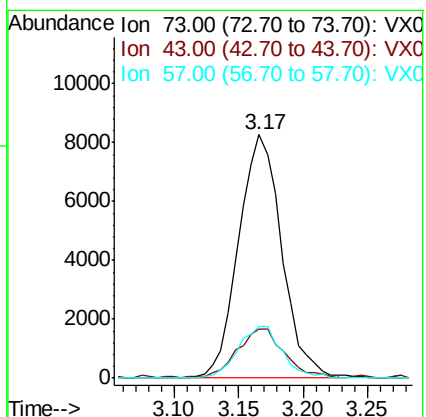
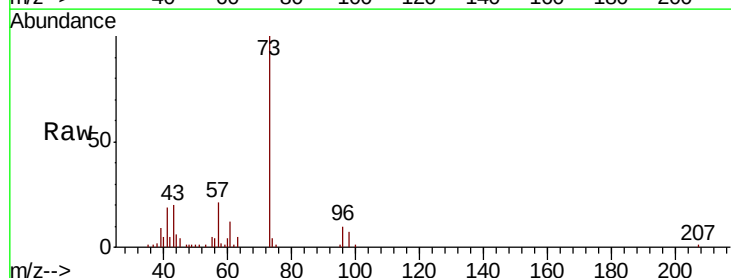
Tgt Ion: 73 Resp: 19193

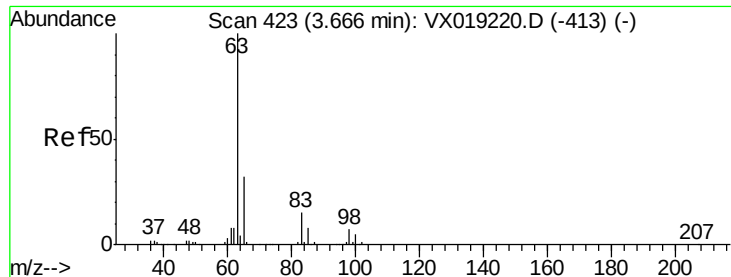
Ion Ratio Lower Upper

73 100

43 20.9 15.8 23.6

57 21.5 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.242 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

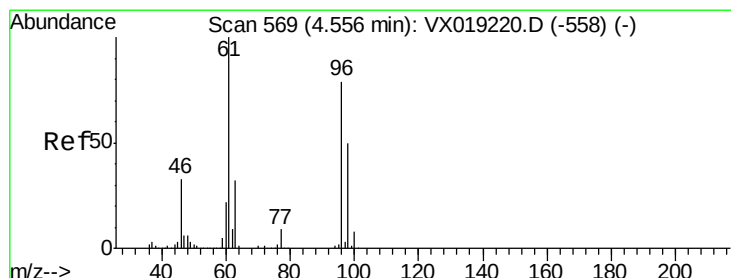
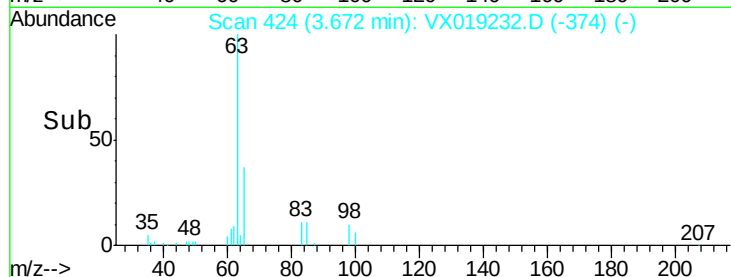
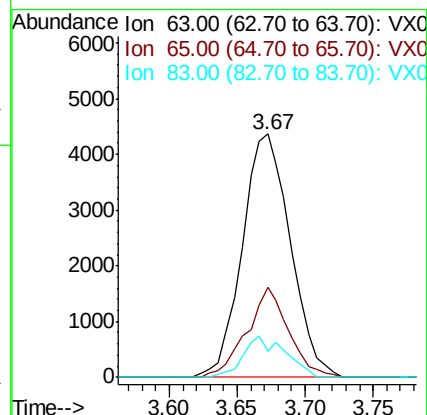
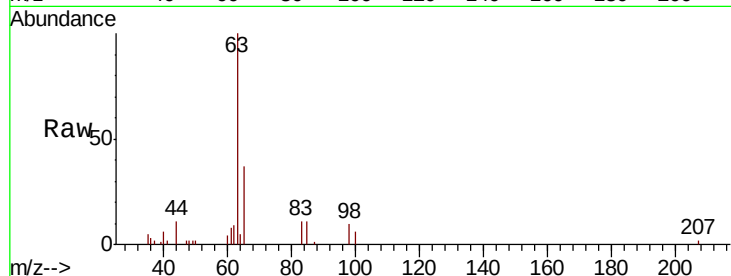
Tot Ion: 63 Resp: 10795

Ion Ratio Lower Upper

63 100

65 37.1 22.3 41.3

83 10.7 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 2.309 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

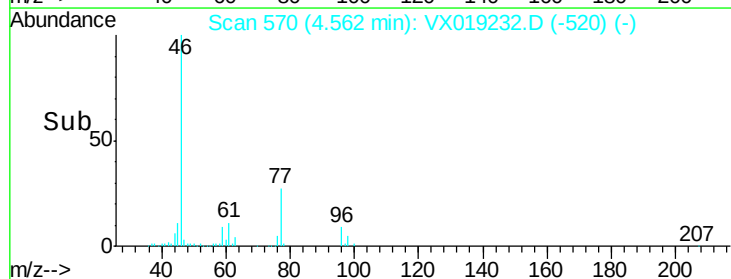
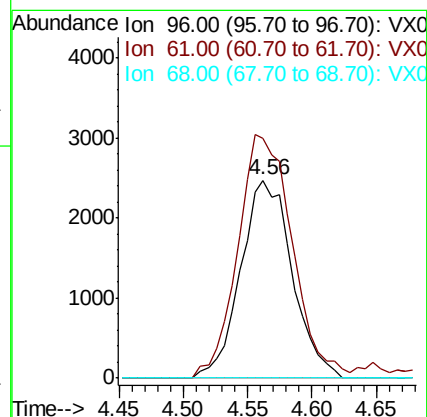
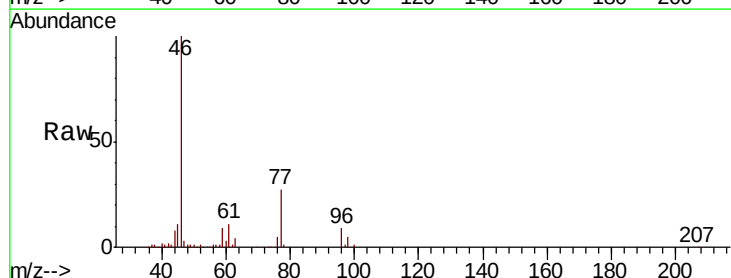
Tgt Ion: 96 Resp: 6872

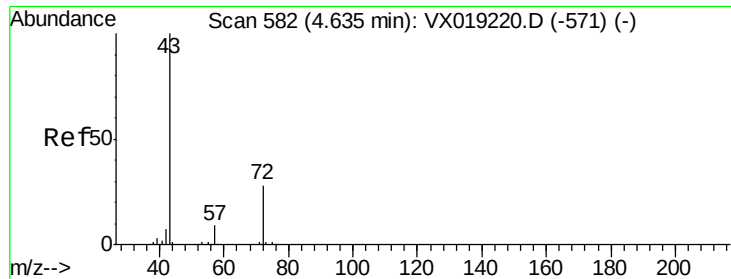
Ion Ratio Lower Upper

96 100

61 121.2 86.1 159.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.667 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

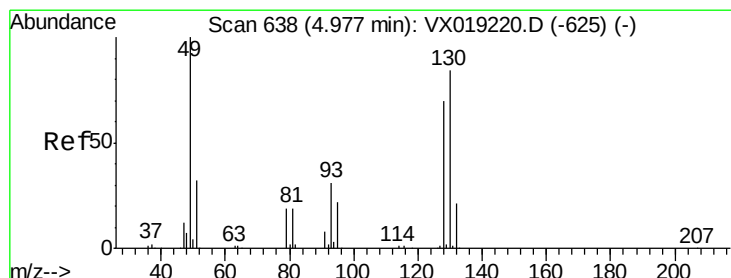
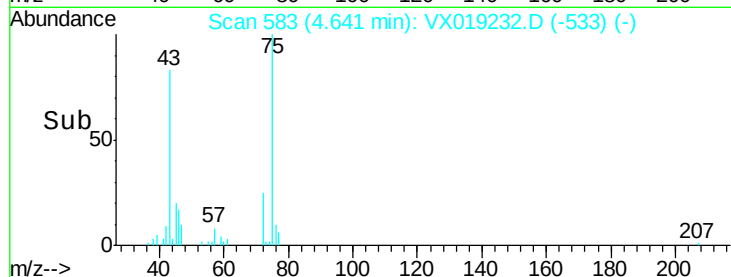
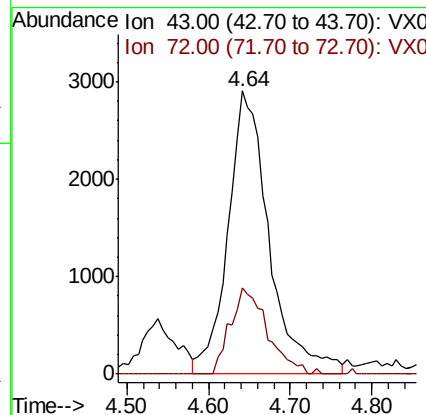
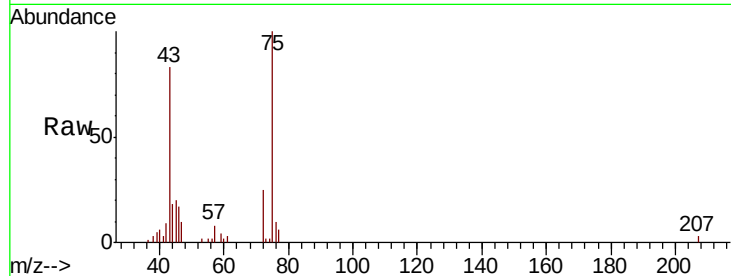
MDL-ME-SOIL-05

Tot Ion: 43 Resp: 10161

Ion Ratio Lower Upper

43 100

72 27.3 15.0 45.0



#23

Bromochloromethane

Concen: 2.173 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Tgt Ion: 128 Resp: 3257

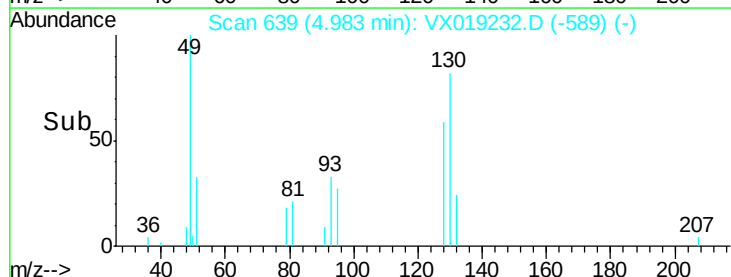
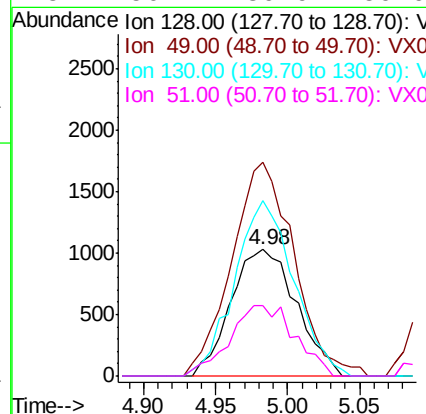
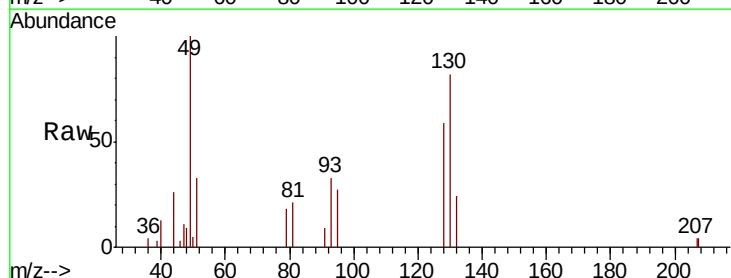
Ion Ratio Lower Upper

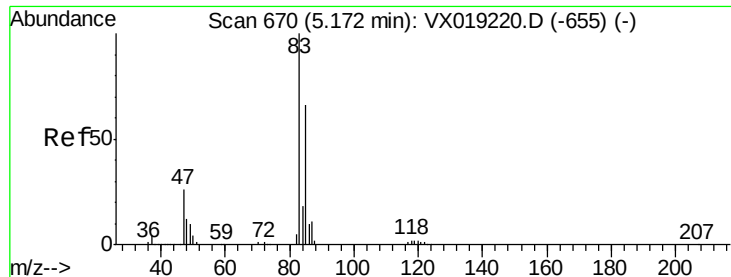
128 100

49 168.9 108.4 201.4

130 138.7 96.7 179.7

51 56.1 39.9 59.9

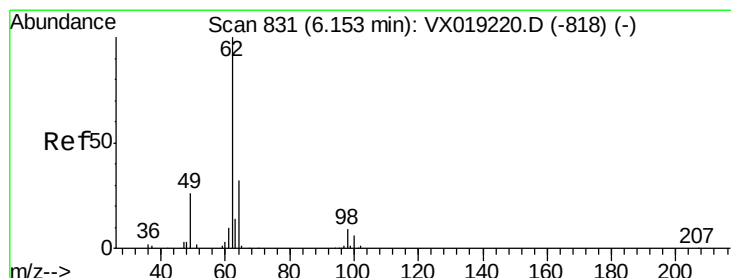
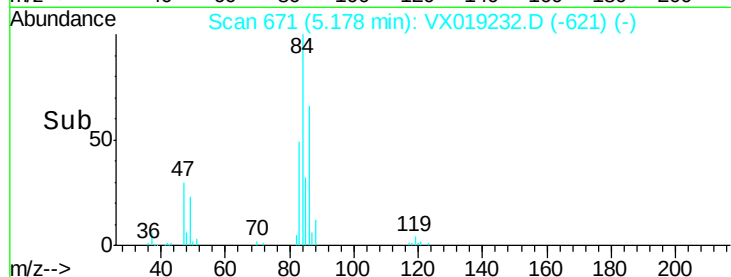
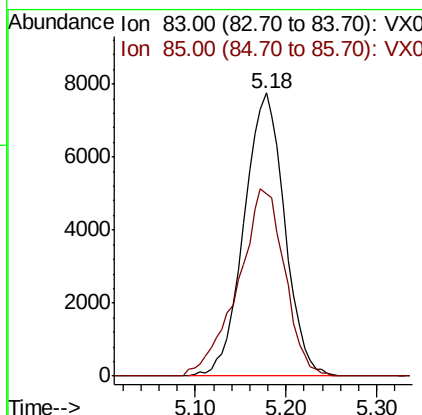
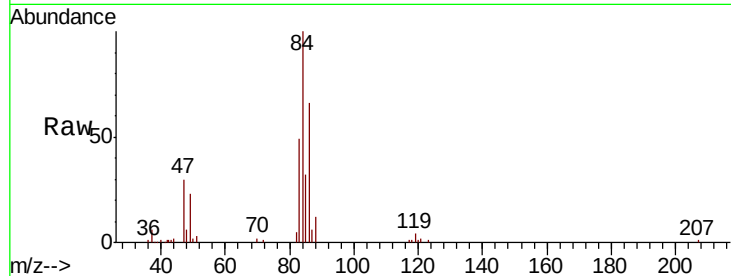




#25
Chloroform
Concen: 4.744 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

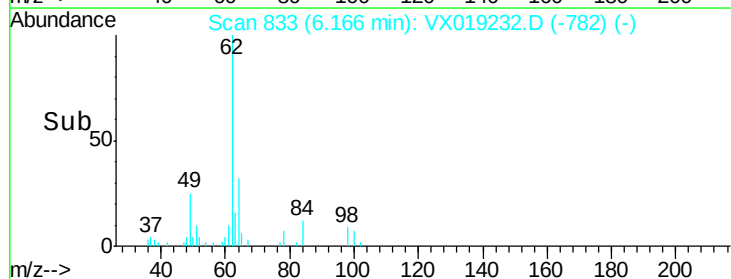
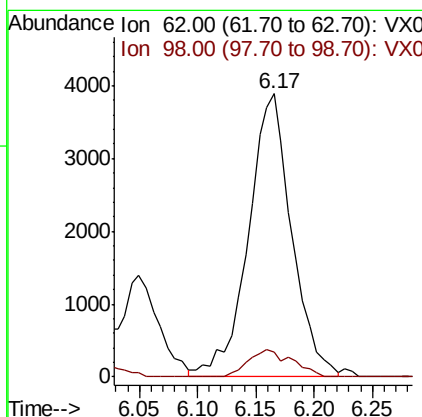
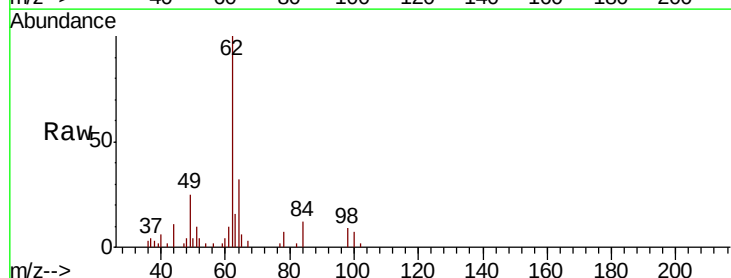
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

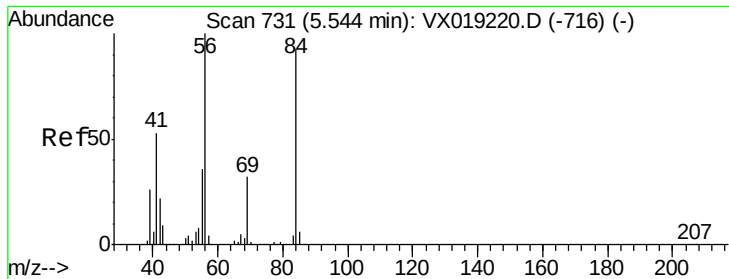
Tot Ion: 83 Resp: 23979
Ion Ratio Lower Upper
83 100
85 64.3 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.519 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion: 62 Resp: 10027
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4

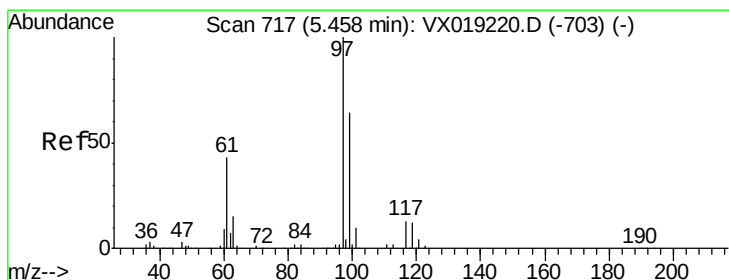
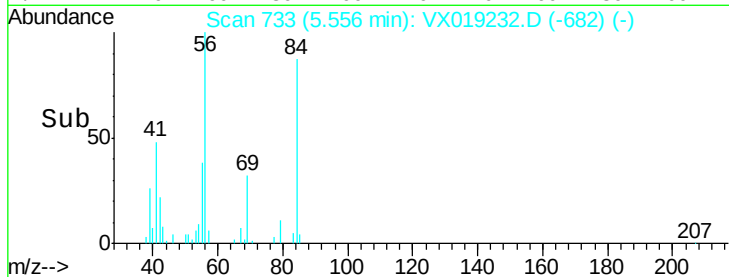
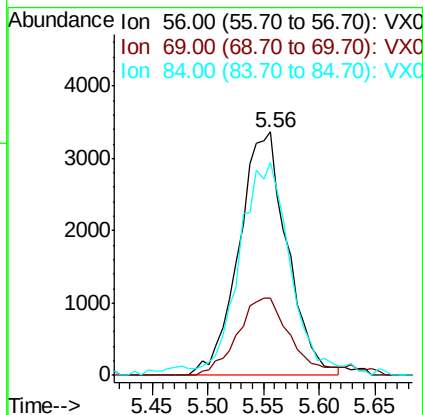
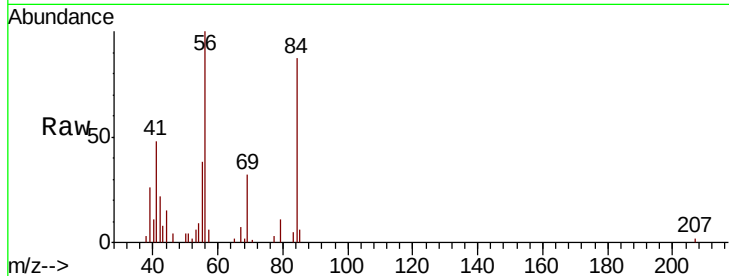




#29
Cyclohexane
Concen: 2.289 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

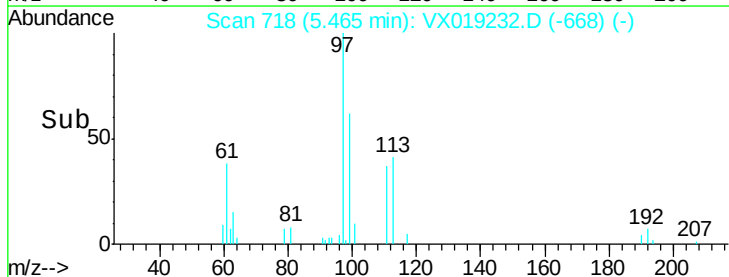
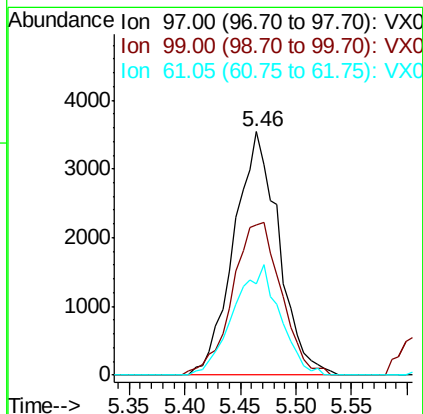
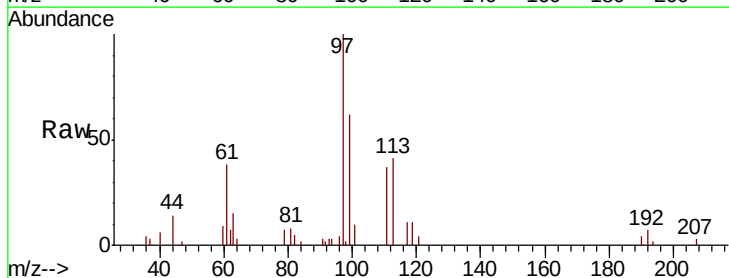
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

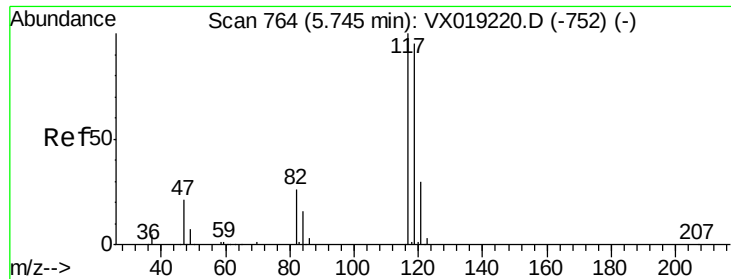
Tot Ion: 56 Resp: 10191
Ion Ratio Lower Upper
56 100
69 33.8 25.2 37.8
84 89.2 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 2.133 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion: 97 Resp: 9946
Ion Ratio Lower Upper
97 100
99 67.4 51.0 76.6
61 20.7 34.8 52.2#

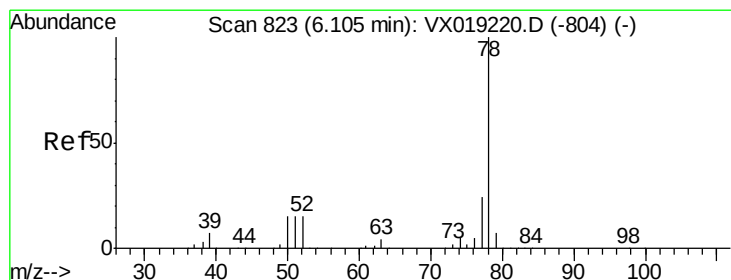
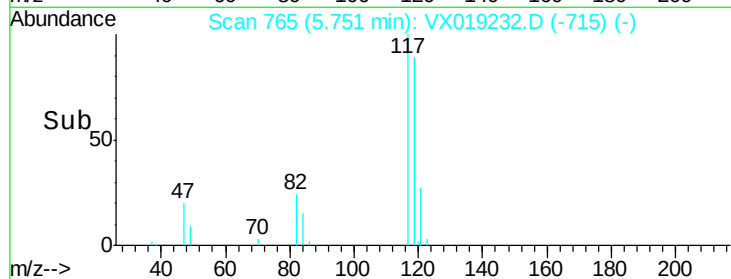
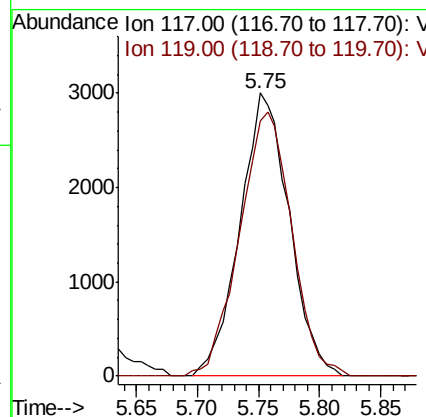
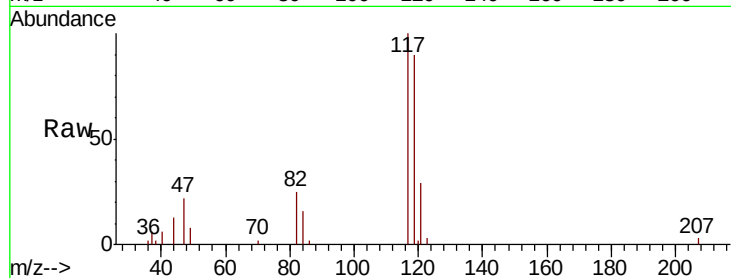




#31
Carbon tetrachloride
Concen: 2.099 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.01 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

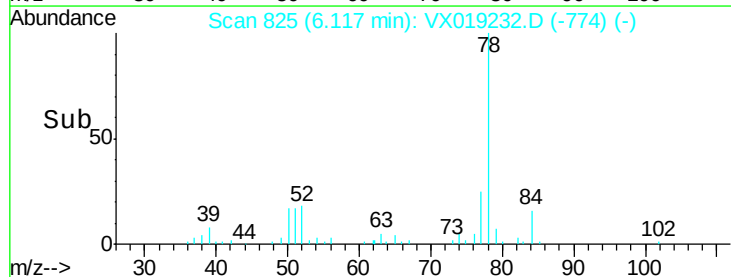
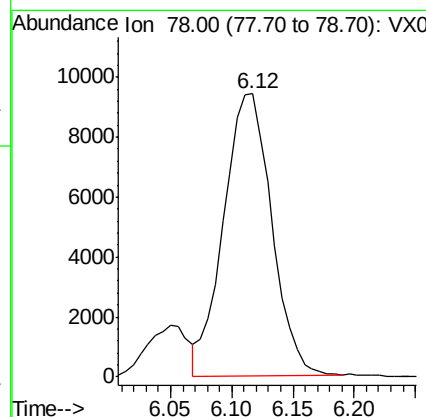
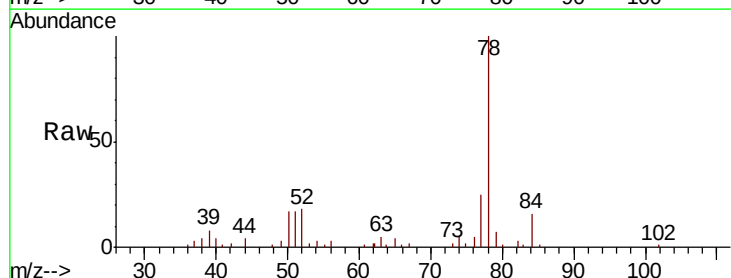
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

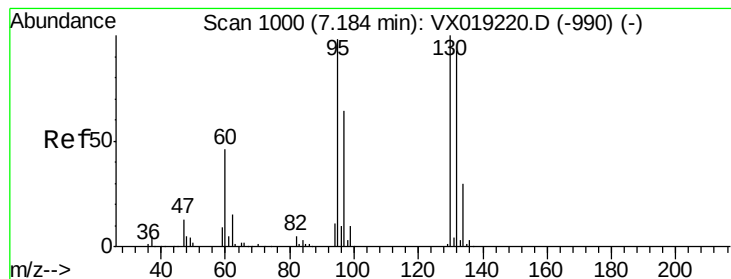
Tot Ion:117 Resp: 8410
Ion Ratio Lower Upper
117 100
119 98.6 76.9 115.3



#33
Benzene
Concen: 2.305 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion: 78 Resp: 25601





#34

Trichloroethene

Concen: 2.234 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

Tot Ion: 95 Resp: 6772

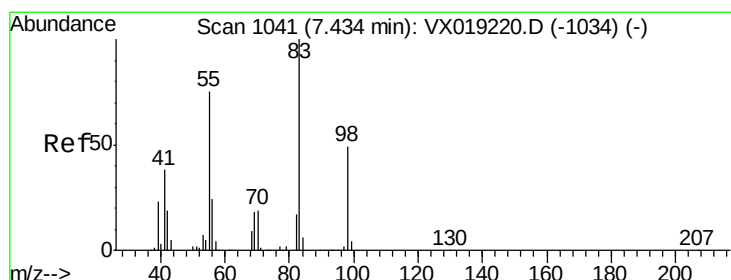
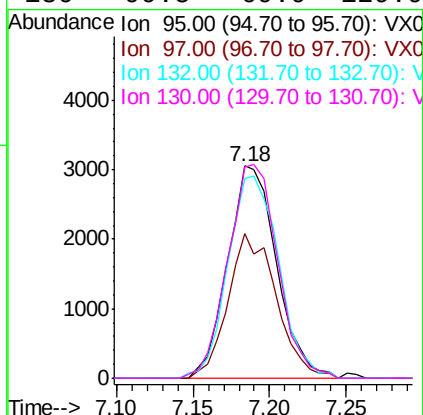
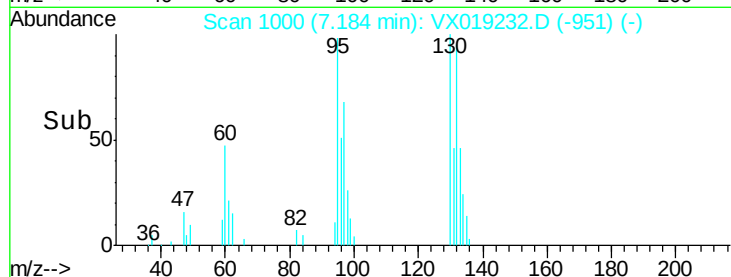
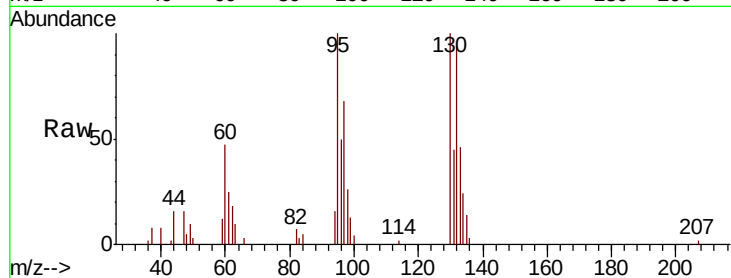
Ion Ratio Lower Upper

95 100

97 68.1 45.1 83.9

132 94.3 67.3 124.9

130 99.5 69.9 129.9



#35

Methylcyclohexane

Concen: 2.206 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

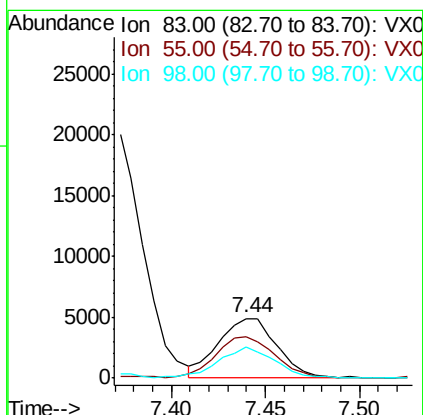
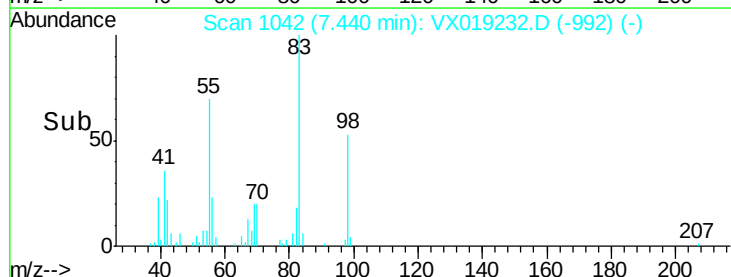
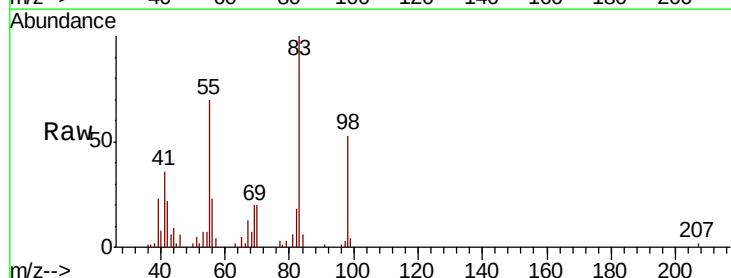
Tgt Ion: 83 Resp: 10584

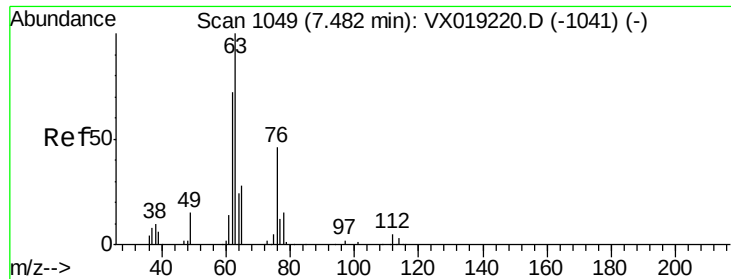
Ion Ratio Lower Upper

83 100

55 71.1 58.6 87.8

98 50.1 39.0 58.6

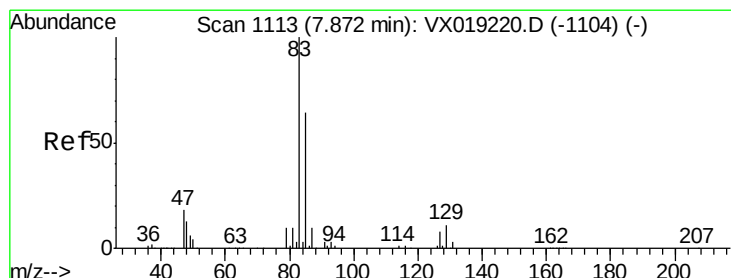
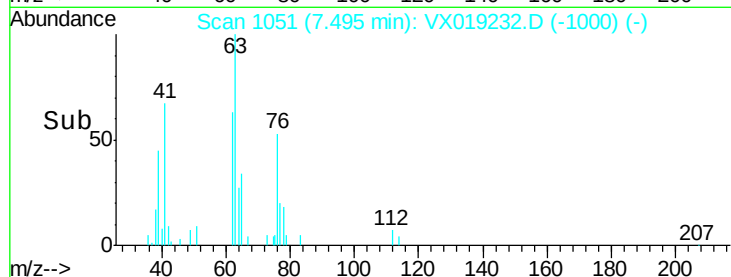
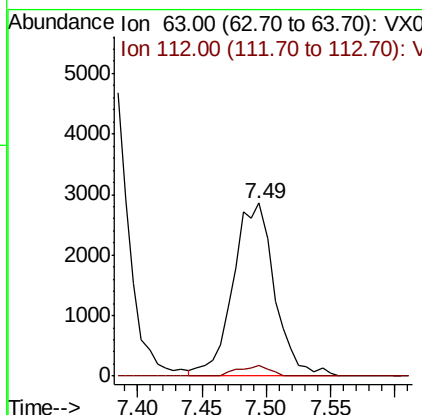
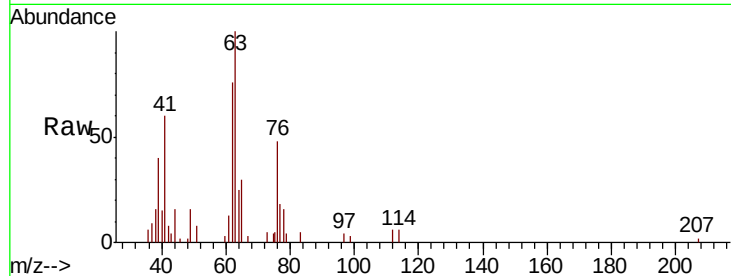




#37
 1,2-Dichloropropane
 Concen: 2.322 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX019232.D
 Acq: 03 Nov 2020 14:09

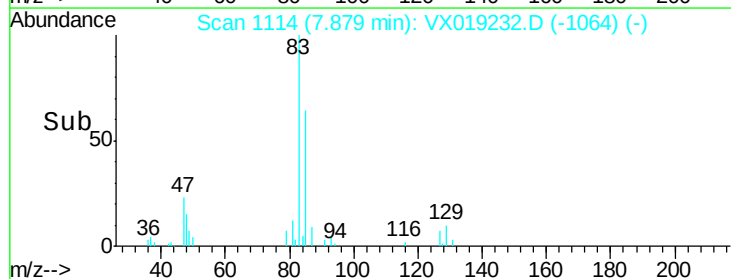
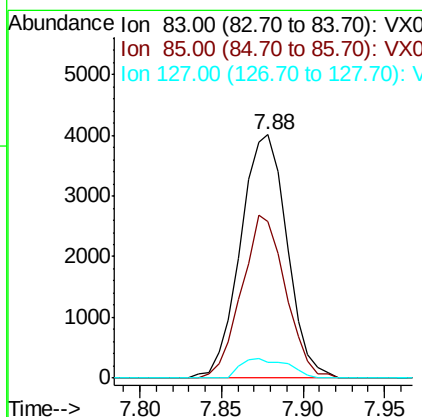
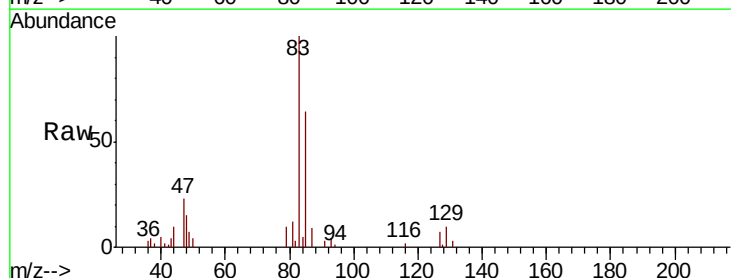
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-05

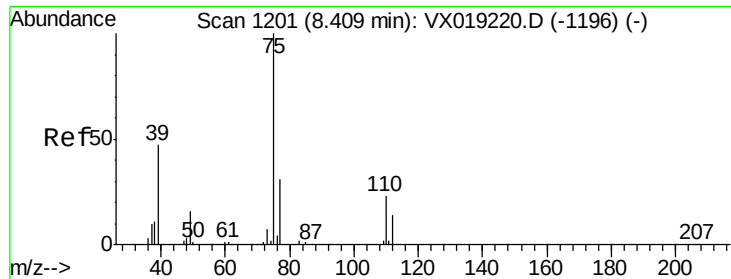
Tot Ion: 63 Resp: 6406
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 2.079 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX019232.D
 Acq: 03 Nov 2020 14:09

Tgt Ion: 83 Resp: 7976
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.6 82.8
 127 6.6 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 2.119 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

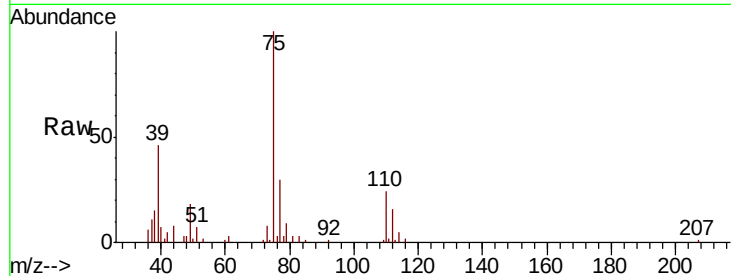
MDL-ME-SOIL-05

Tot Ion: 75 Resp: 9712

Ion Ratio Lower Upper

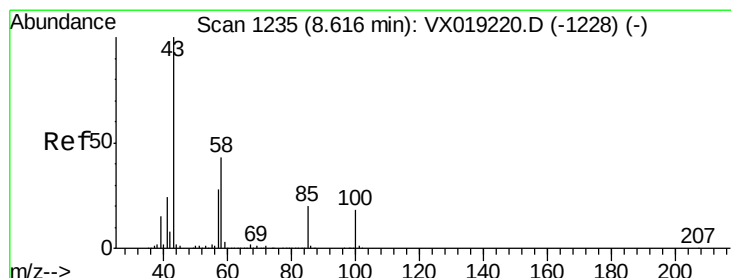
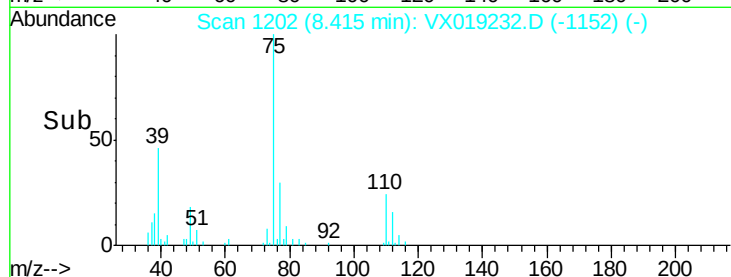
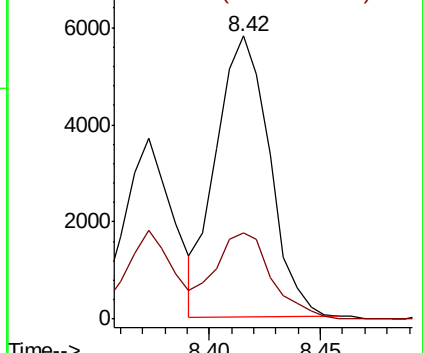
75 100

77 30.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#40

4-Methyl-2-pentanone

Concen: 4.872 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

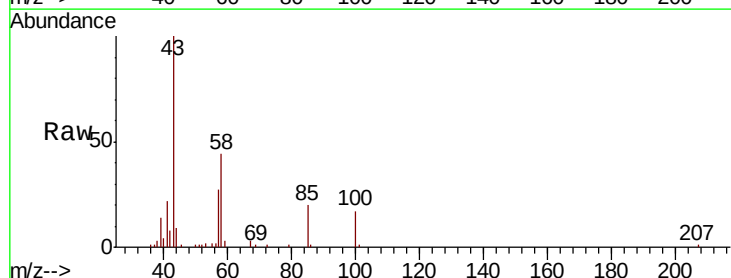
Tgt Ion: 43 Resp: 16436

Ion Ratio Lower Upper

43 100

58 41.1 34.1 51.1

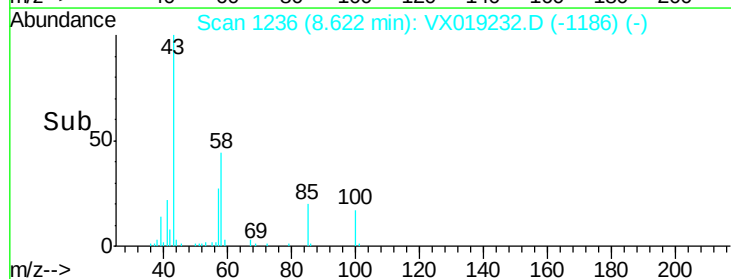
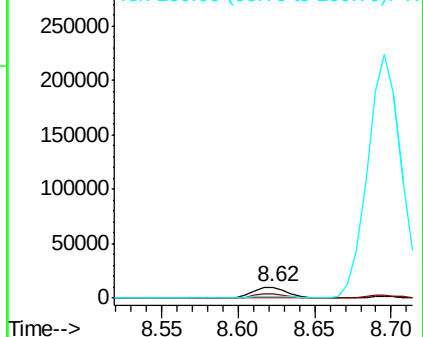
100 18.3 14.8 22.2

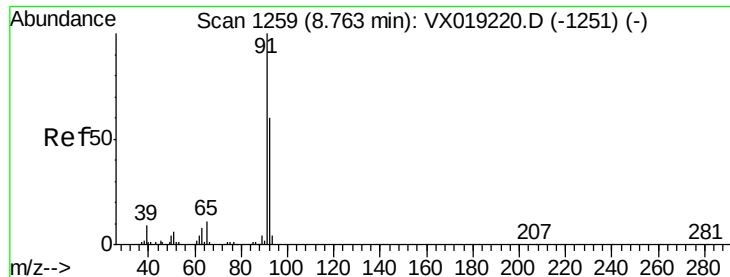


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 100.00 (99.70 to 100.70): V





#42

Toluene

Concen: 2.882 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

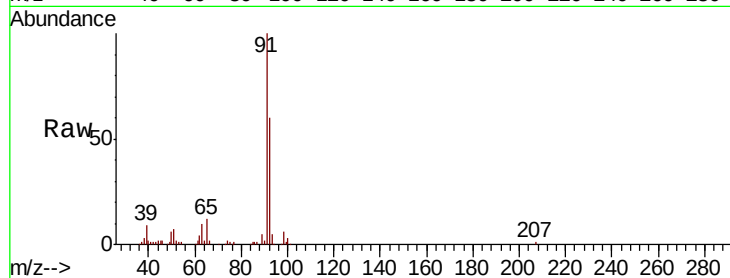
MDL-ME-SOIL-05

Tot Ion: 91 Resp: 34813

Ion Ratio Lower Upper

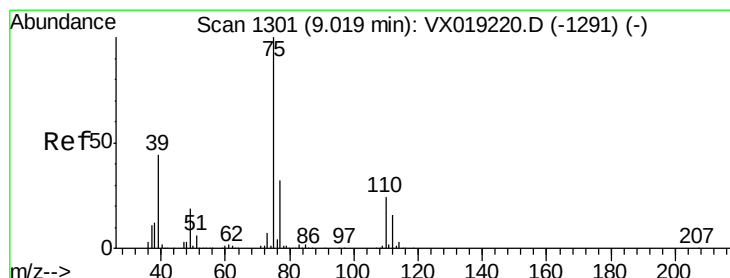
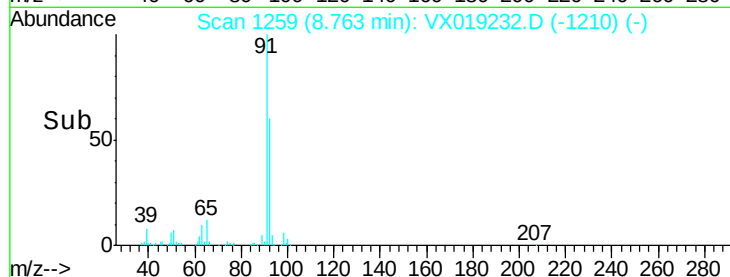
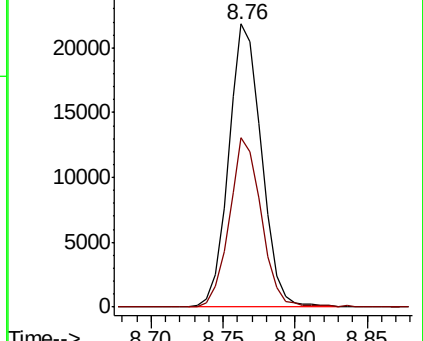
91 100

92 60.0 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: 2.280 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019232.D

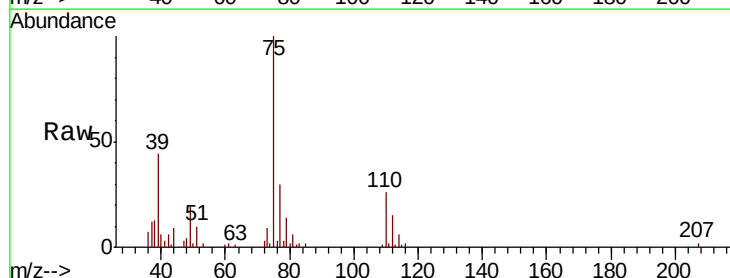
Acq: 03 Nov 2020 14:09

Tgt Ion: 75 Resp: 10182

Ion Ratio Lower Upper

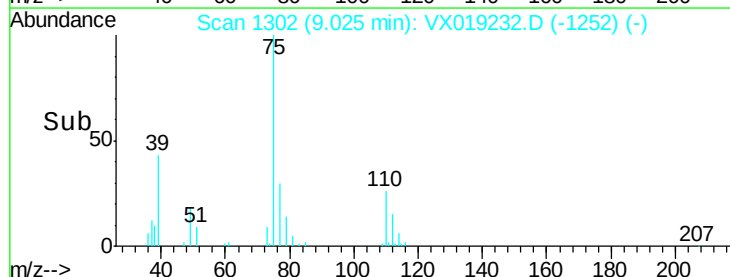
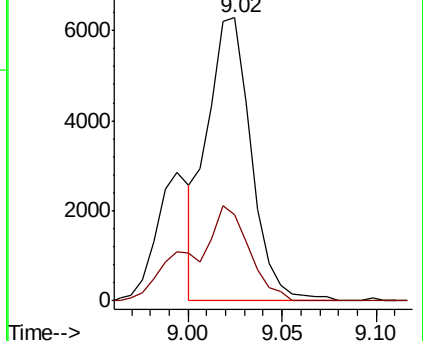
75 100

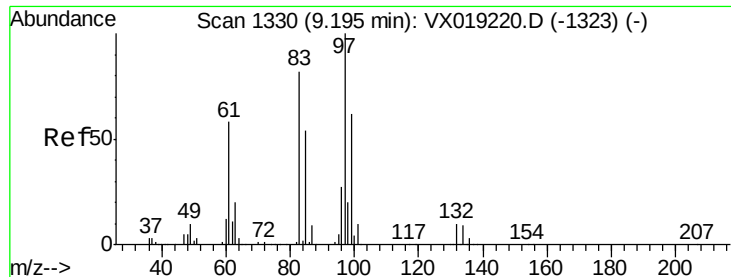
77 30.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

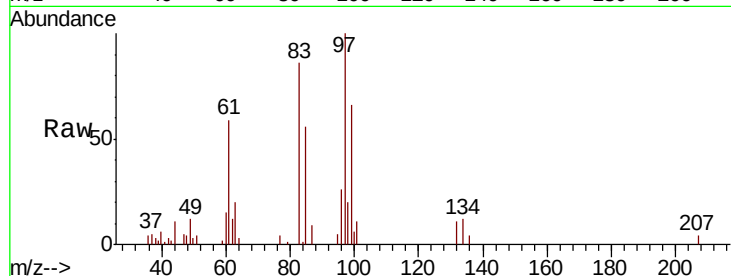




#45
 1,1,2-Trichloroethane
 Concen: 2.328 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019232.D
 Acq: 03 Nov 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-05

Tot Ion:	97	Resp:	6308
Ion	Ratio	Lower	Upper
97	100		
99	66.4	43.3	80.3
83	85.7	59.4	110.4
85	56.1	38.7	71.9



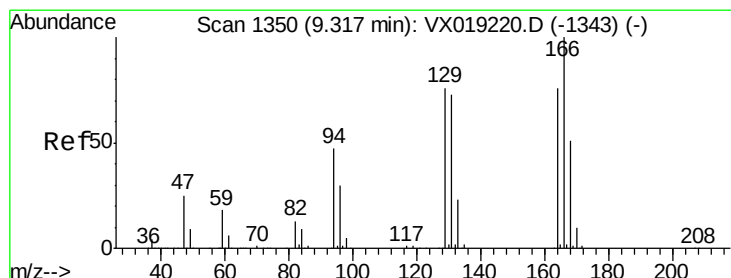
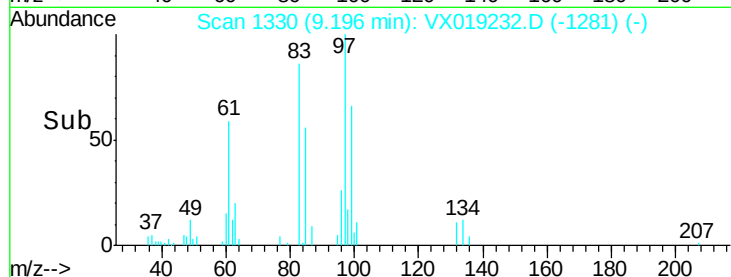
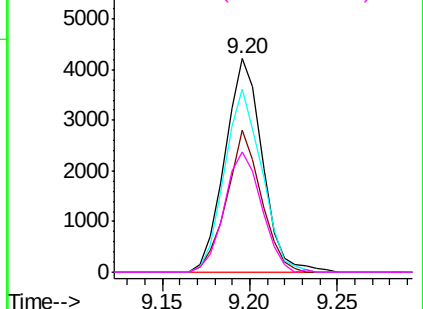
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

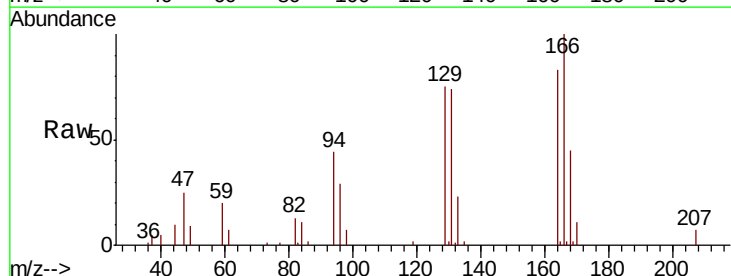
Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46
 Tetrachloroethene
 Concen: 2.265 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019232.D
 Acq: 03 Nov 2020 14:09

Tgt Ion:	164	Resp:	5180
Ion	Ratio	Lower	Upper
164	100		
129	90.1	65.2	121.2
131	88.7	62.5	116.1
166	120.1	90.2	167.6



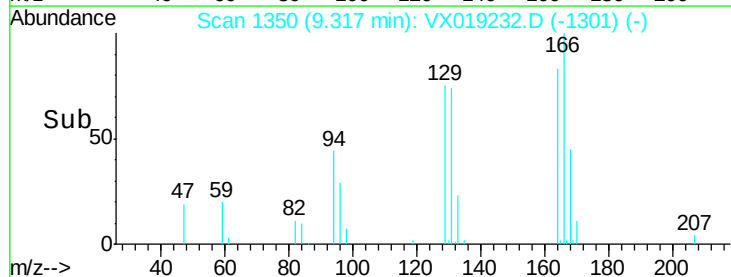
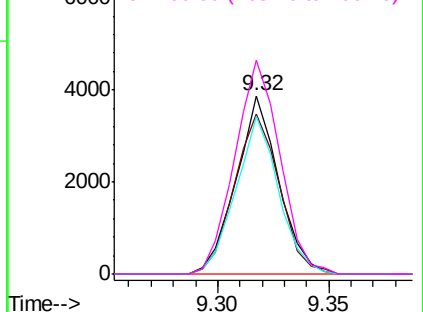
Abundance

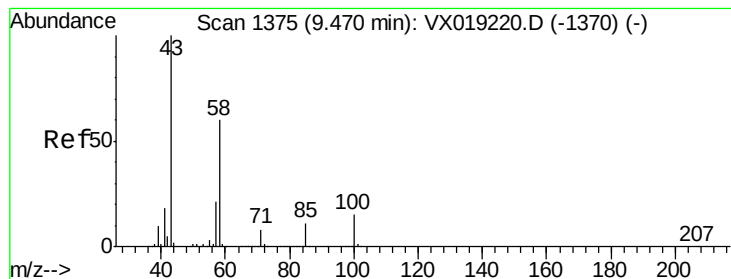
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 6.234 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

Tot Ion: 43 Resp: 16572

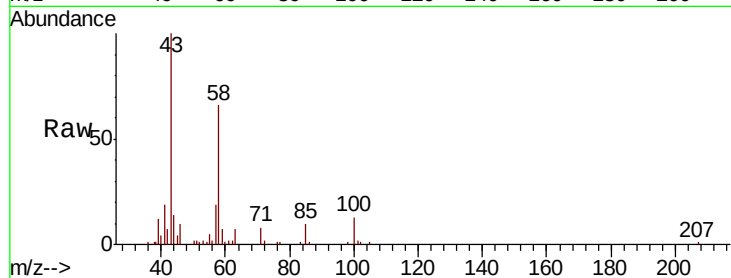
Ion Ratio Lower Upper

43 100

58 59.0 48.2 72.2

57 19.2 17.1 25.7

100 13.0 11.8 17.8



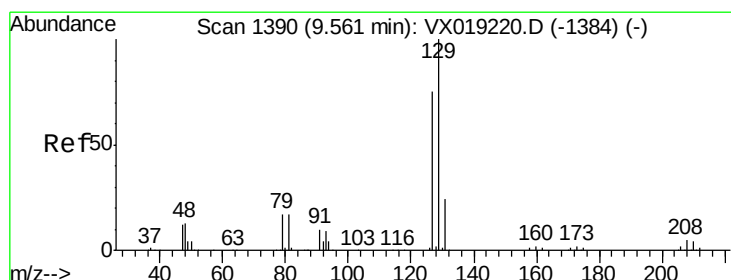
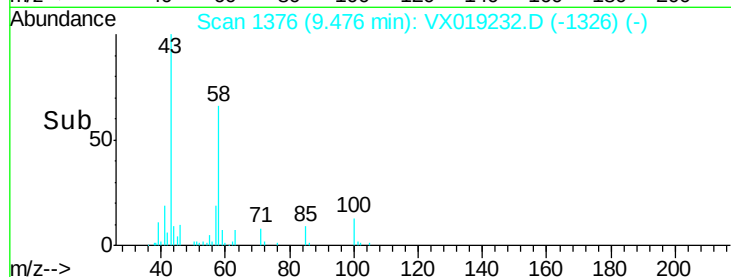
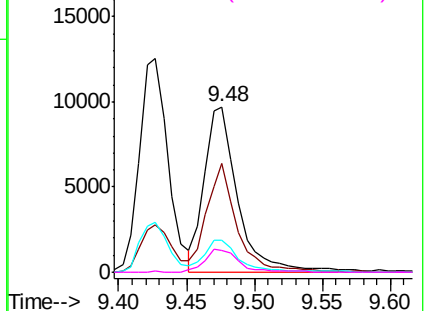
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#49

Dibromochloromethane

Concen: 2.092 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX019232.D

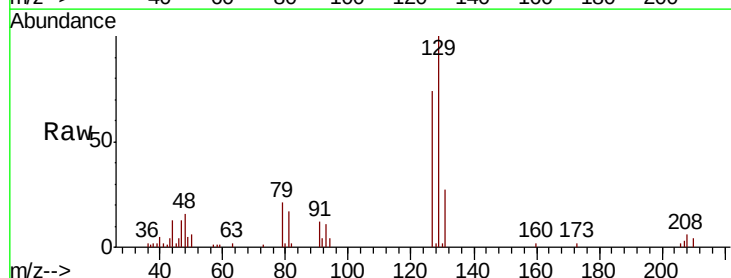
Acq: 03 Nov 2020 14:09

Tgt Ion: 129 Resp: 6201

Ion Ratio Lower Upper

129 100

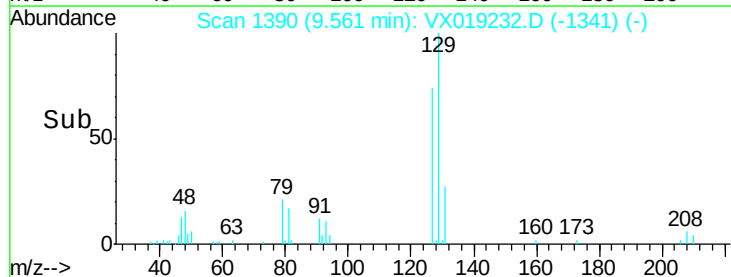
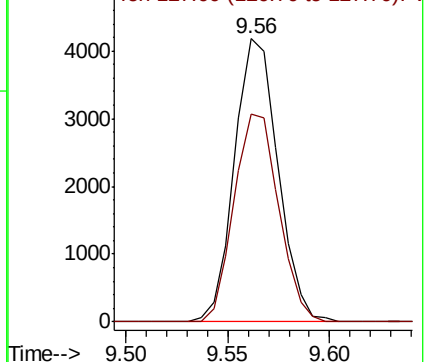
127 73.6 54.0 100.2

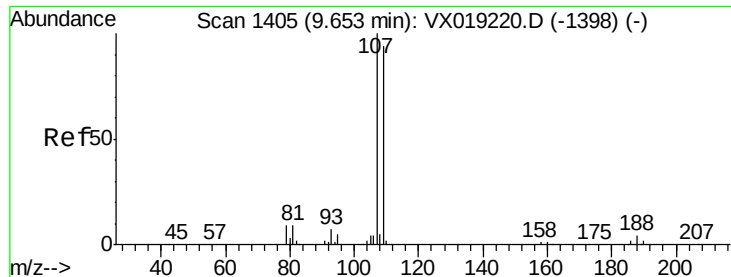


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

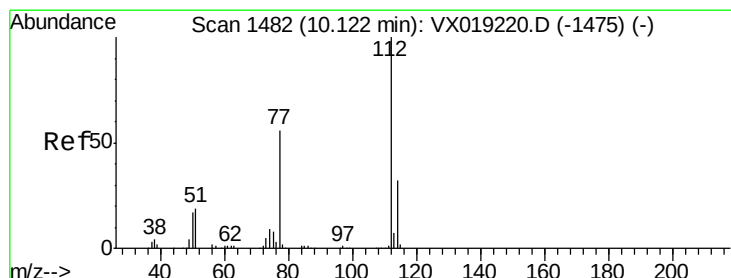
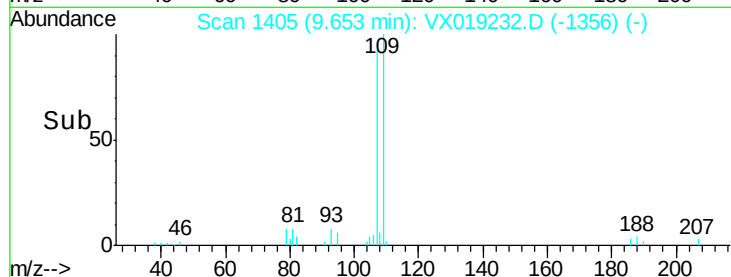
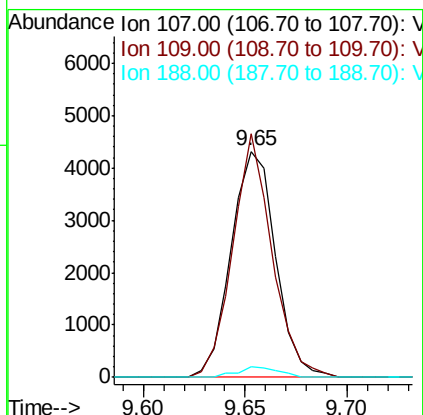
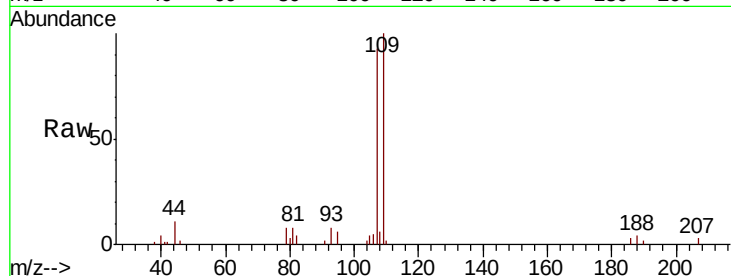




#50
1,2-Dibromoethane
Concen: 2.303 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

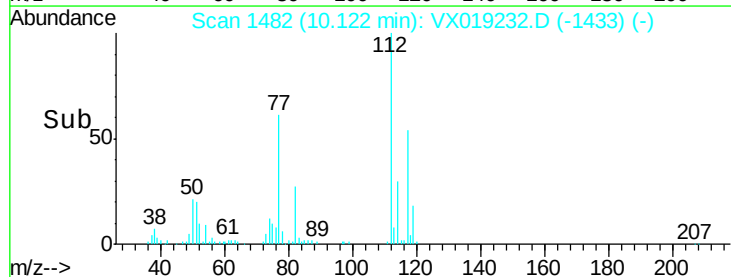
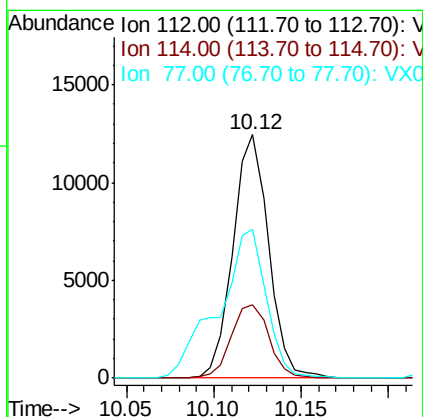
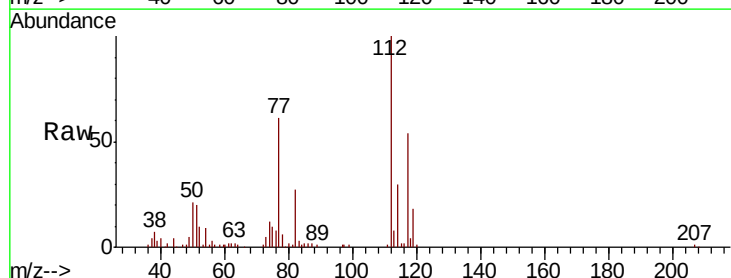
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

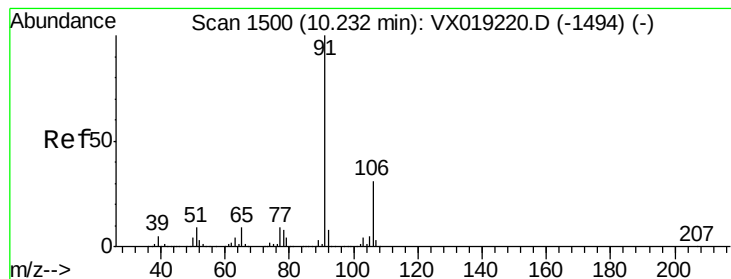
Tot Ion:107 Resp: 6527
Ion Ratio Lower Upper
107 100
109 107.7 68.1 126.5
188 4.7 3.0 4.4#



#51
Chlorobenzene
Concen: 2.360 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion:112 Resp: 17731
Ion Ratio Lower Upper
112 100
114 30.0 22.2 41.2
77 60.9 46.2 69.4





#52

Ethylbenzene

Concen: 2.225 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

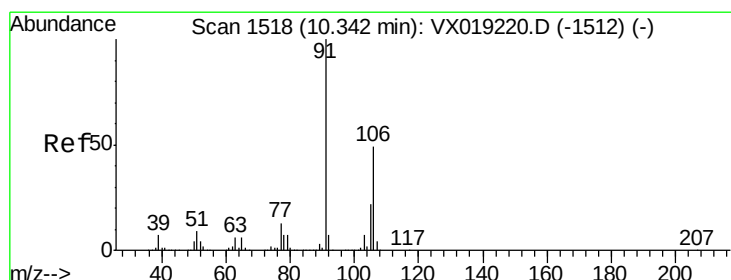
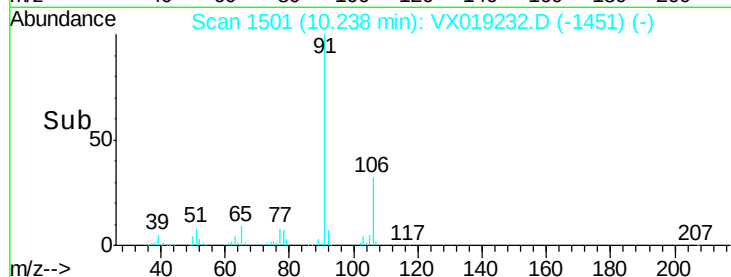
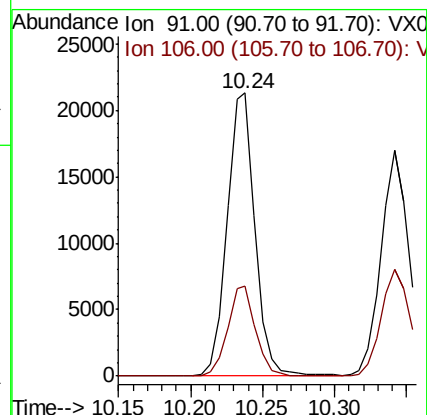
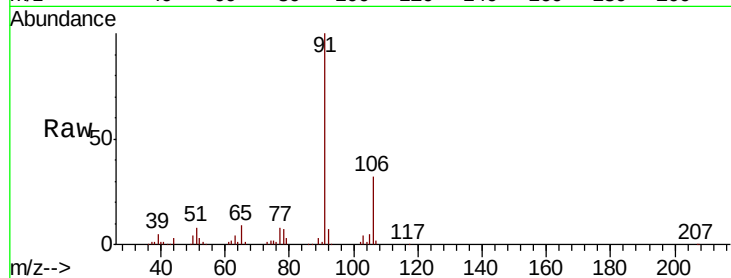
MDL-ME-SOIL-05

Tot Ion: 91 Resp: 29056

Ion Ratio Lower Upper

91 100

106 32.0 21.5 39.9



#53

m,p-Xylene

Concen: 2.242 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019232.D

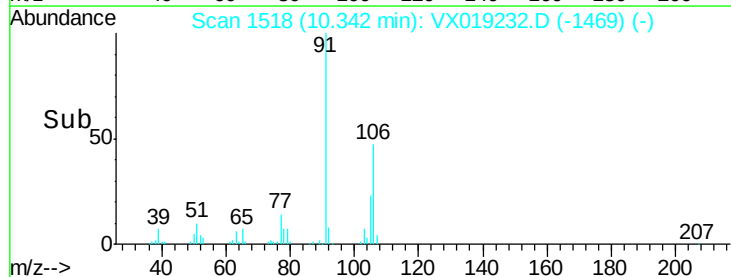
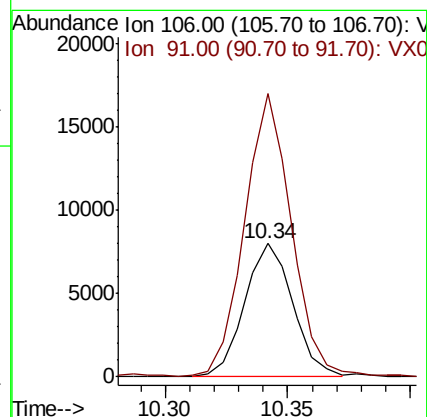
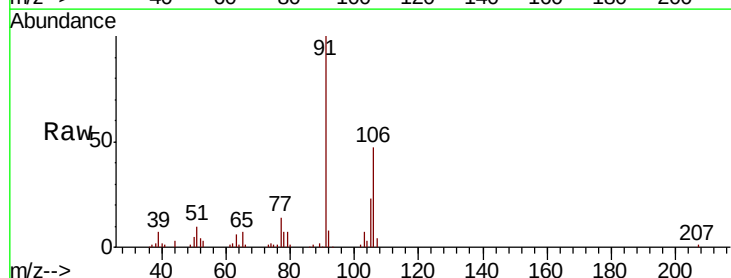
Acq: 03 Nov 2020 14:09

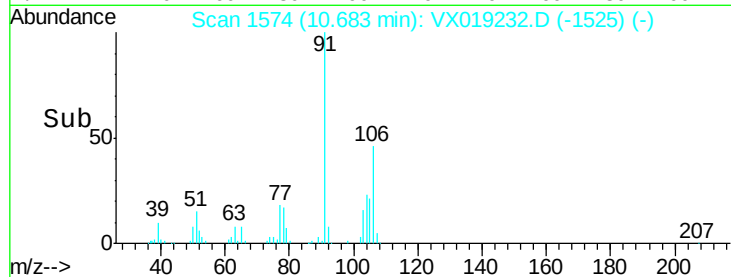
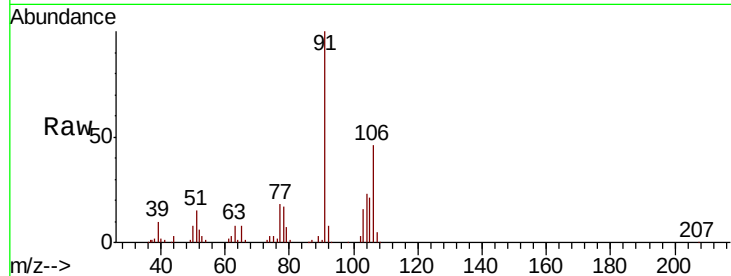
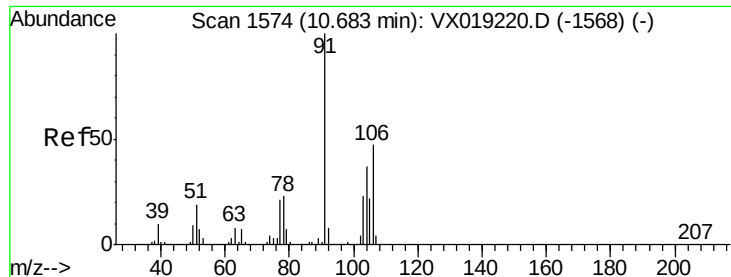
Tgt Ion: 106 Resp: 10999

Ion Ratio Lower Upper

106 100

91 212.2 144.2 267.8

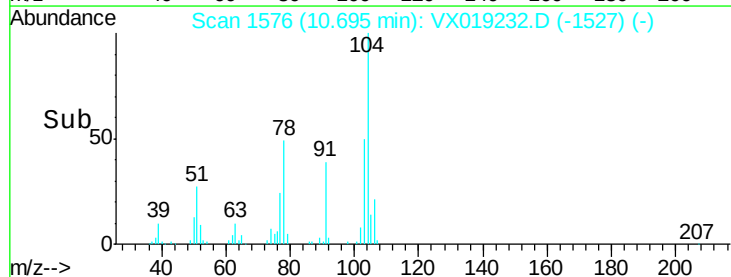
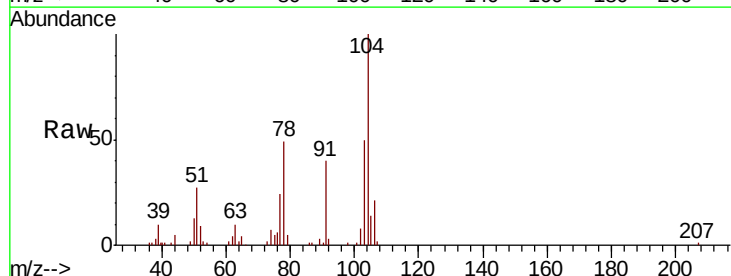
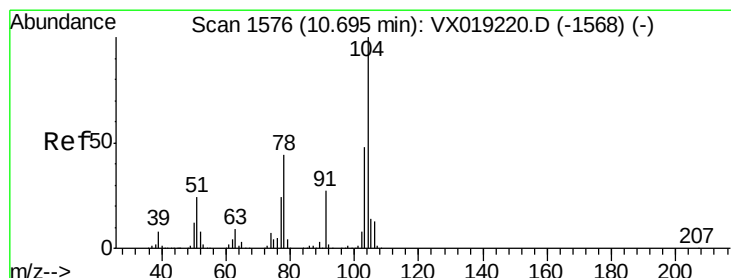
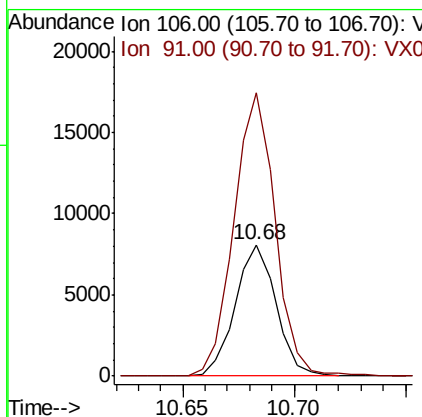




#54
o-Xylene
Concen: 2.175 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

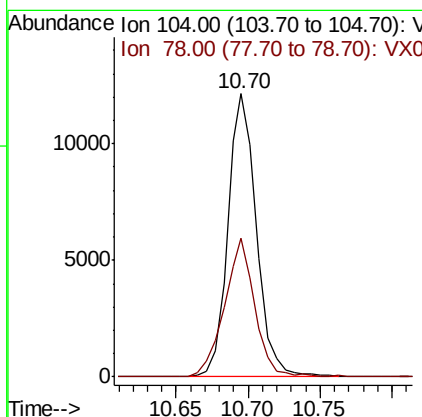
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-05

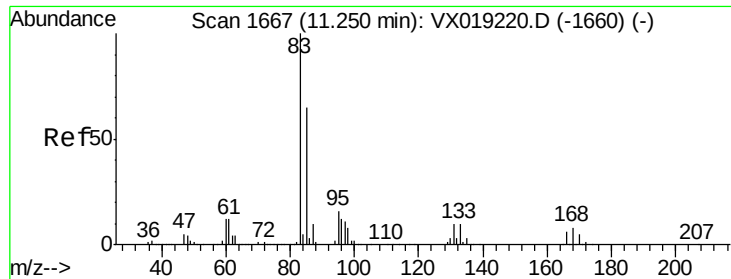
Tot Ion:106 Resp: 10334
Ion Ratio Lower Upper
106 100
91 215.8 153.3 284.7



#55
Styrene
Concen: 2.106 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019232.D
Acq: 03 Nov 2020 14:09

Tgt Ion:104 Resp: 16877
Ion Ratio Lower Upper
104 100
78 49.1 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.657 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

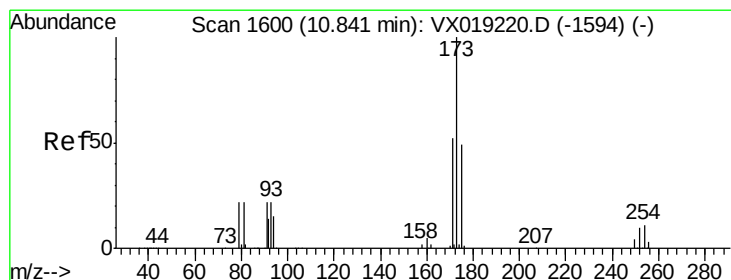
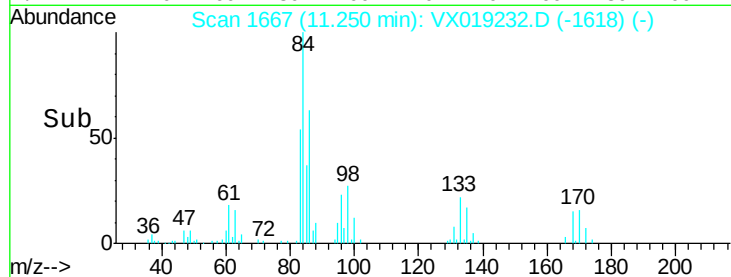
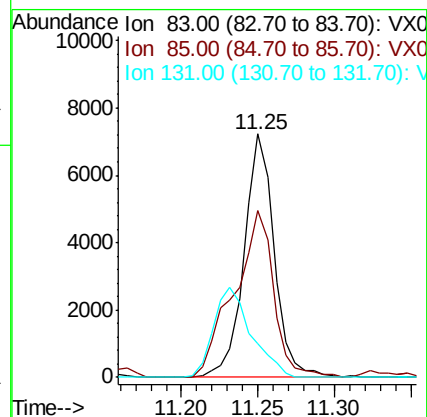
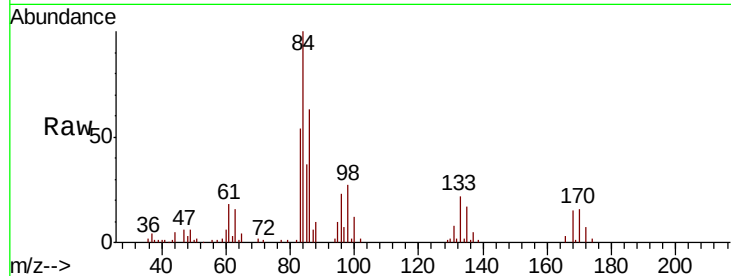
Tot Ion: 83 Resp: 9869

Ion Ratio Lower Upper

83 100

85 68.7 45.9 85.3

131 14.1 7.7 11.5#



#59

Bromoform

Concen: 1.978 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

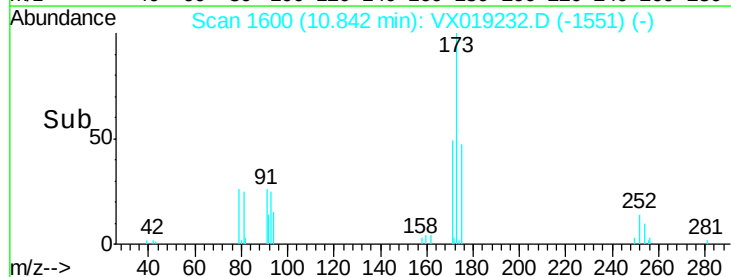
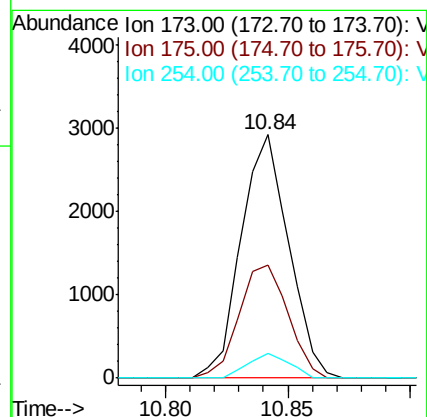
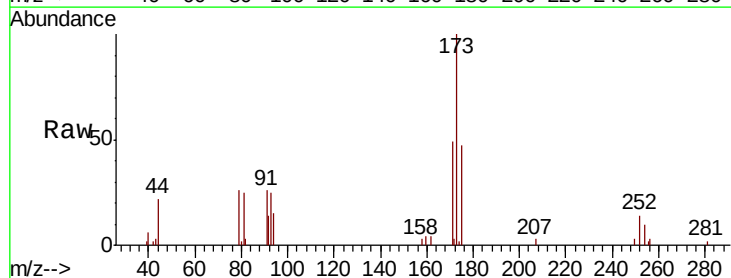
Tgt Ion: 173 Resp: 3962

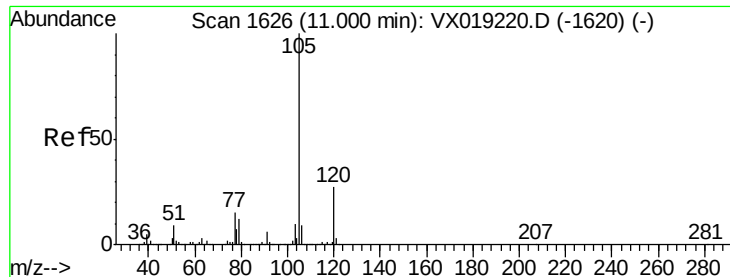
Ion Ratio Lower Upper

173 100

175 47.9 39.7 59.5

254 8.8 8.2 12.4





#60

Isopropylbenzene

Concen: 2.234 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

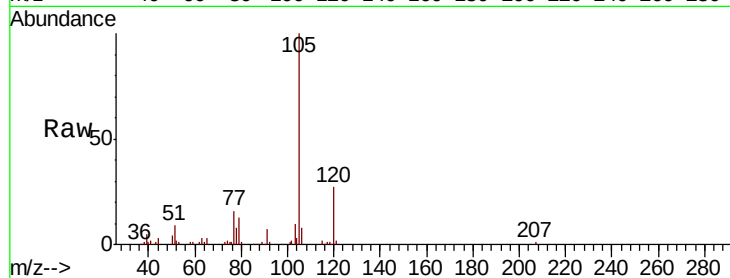
Tot Ion:105 Resp: 28040

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7

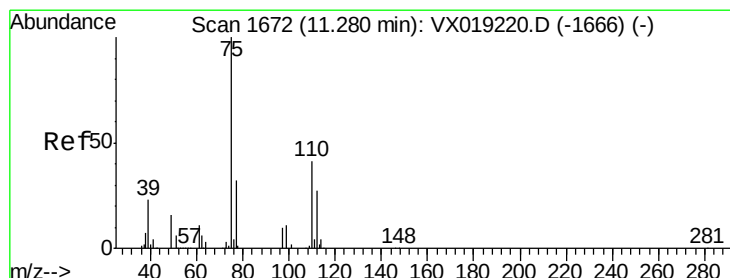
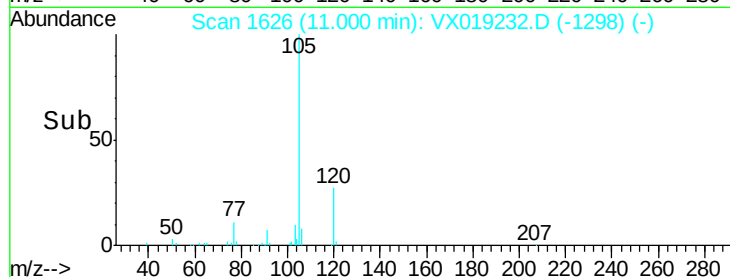
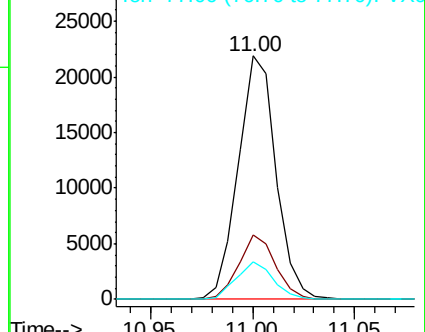
77 15.0 12.6 19.0



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: 2.536 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

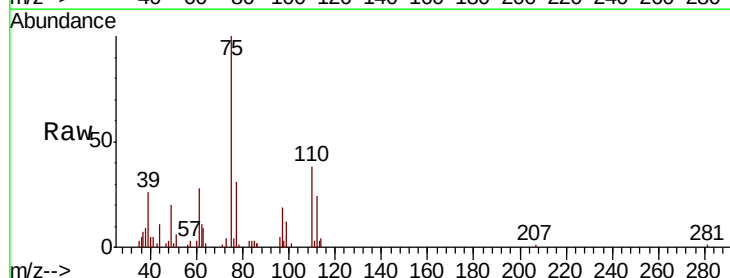
Tgt Ion: 75 Resp: 7989

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

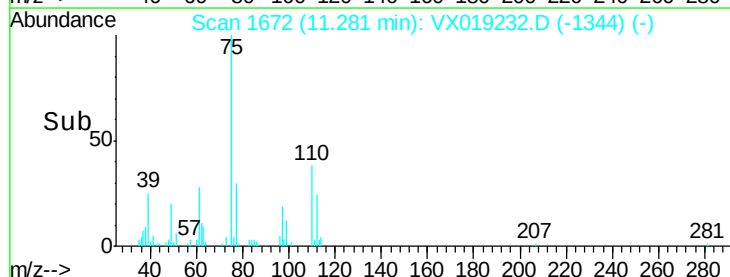
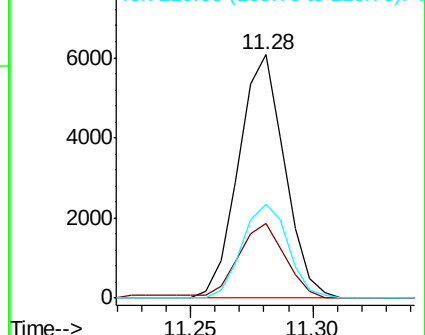
110 38.2 32.2 48.2

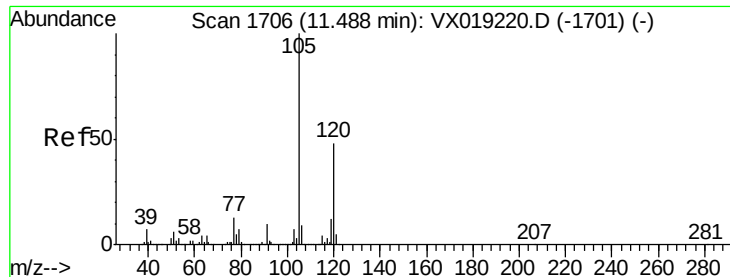


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.113 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

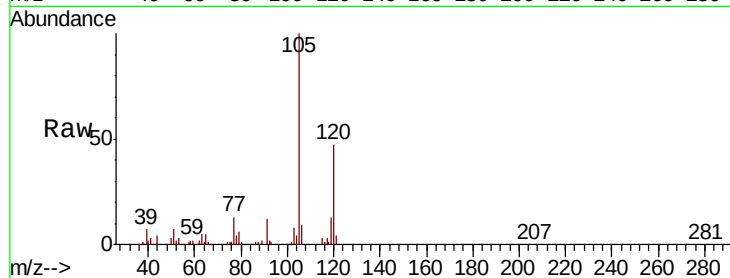
MDL-ME-SOIL-05

Tot Ion:105 Resp: 21820

Ion Ratio Lower Upper

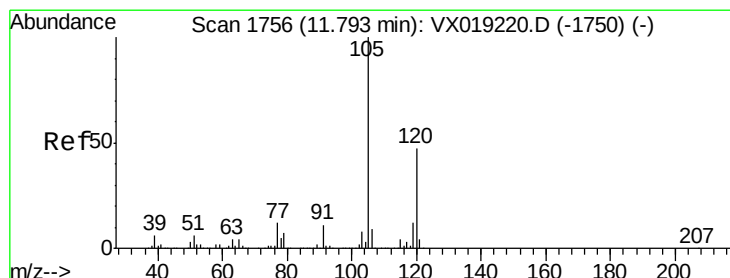
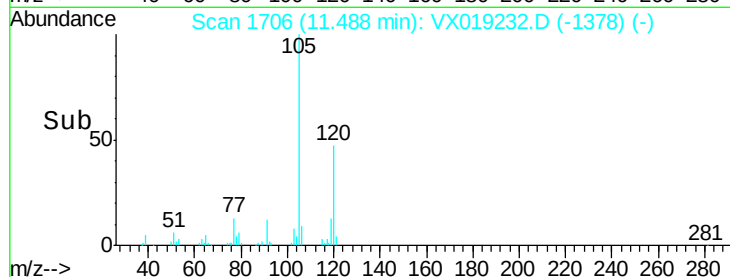
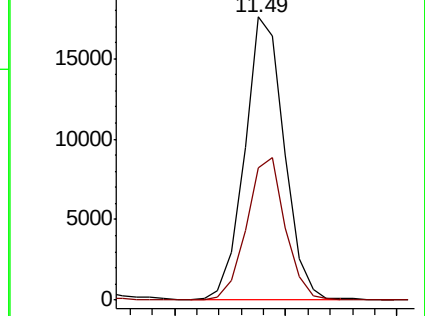
105 100

120 48.7 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: 2.261 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019232.D

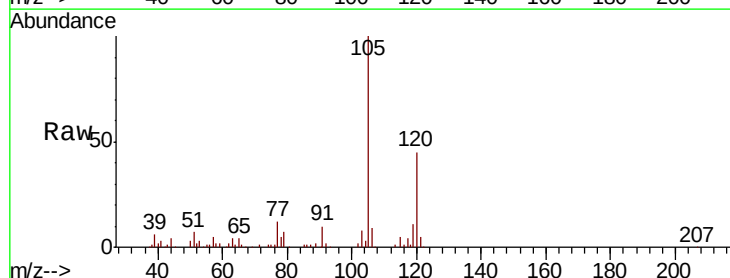
Acq: 03 Nov 2020 14:09

Tgt Ion:105 Resp: 22081

Ion Ratio Lower Upper

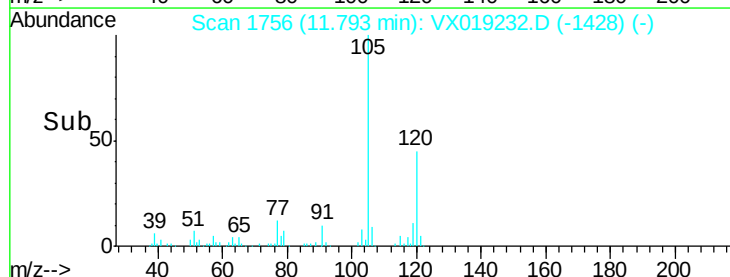
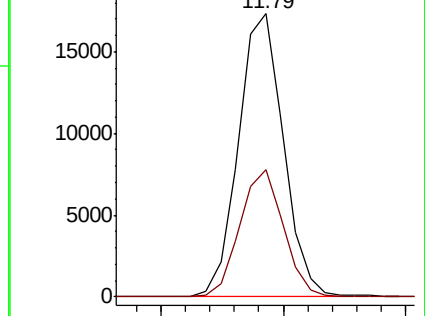
105 100

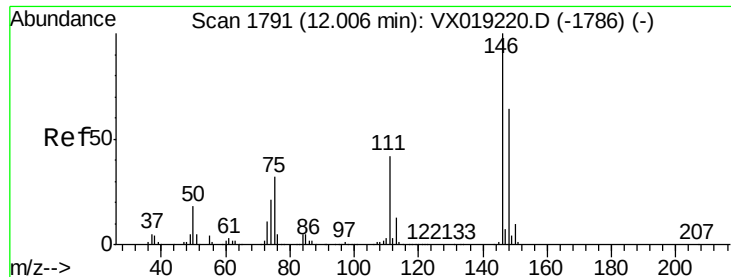
120 43.6 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.243 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

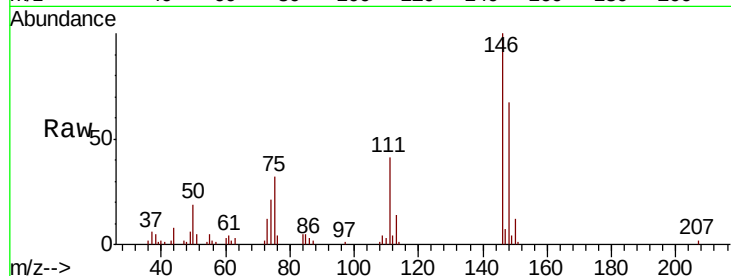
Tot Ion:146 Resp: 12153

Ion Ratio Lower Upper

146 100

111 41.2 29.7 55.1

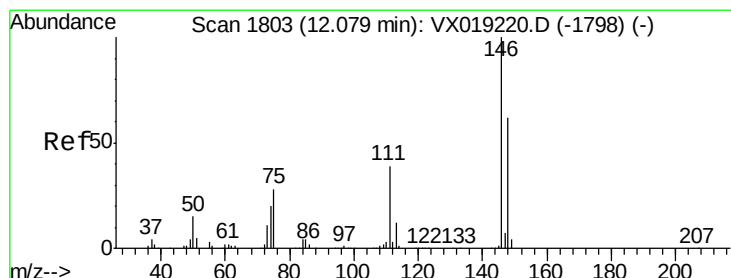
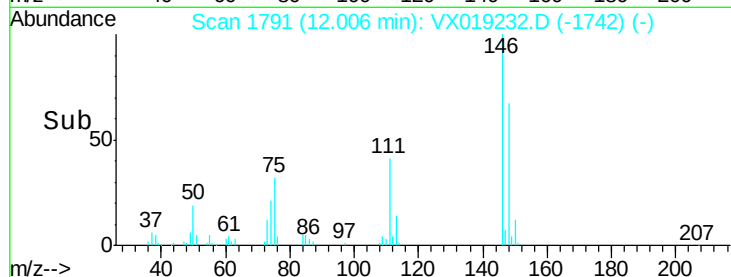
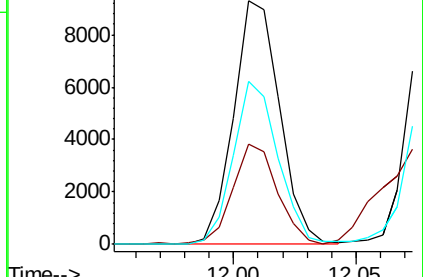
148 67.0 44.5 82.7



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: 2.322 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

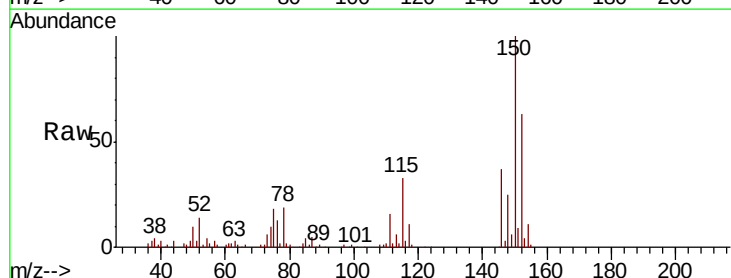
Tgt Ion:146 Resp: 12766

Ion Ratio Lower Upper

146 100

111 43.4 28.1 52.3

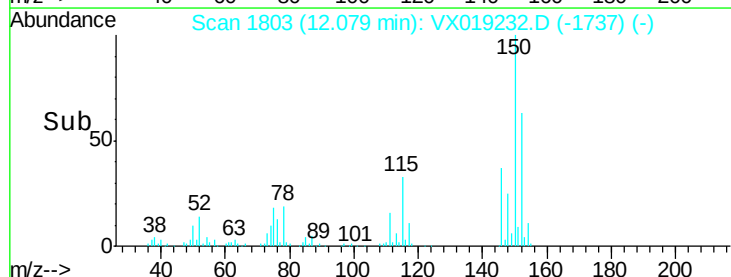
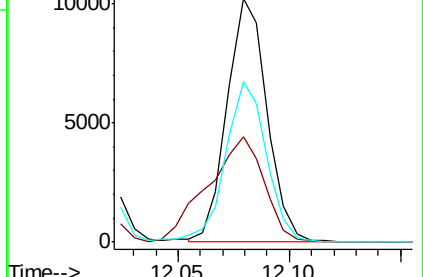
148 66.1 43.8 81.4

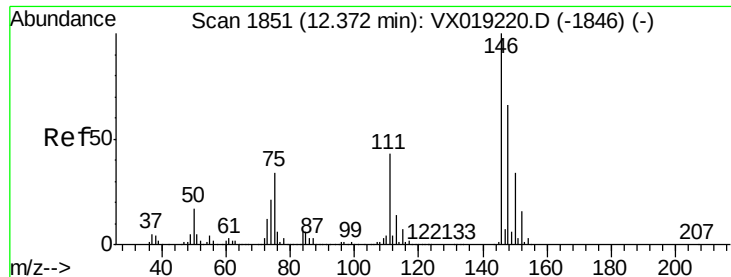


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.375 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

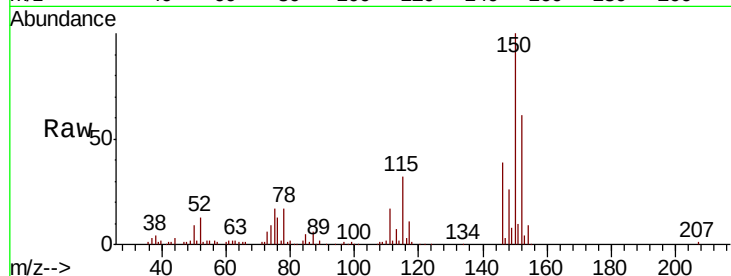
Tot Ion:146 Resp: 12462

Ion Ratio Lower Upper

146 100

111 44.4 35.9 53.9

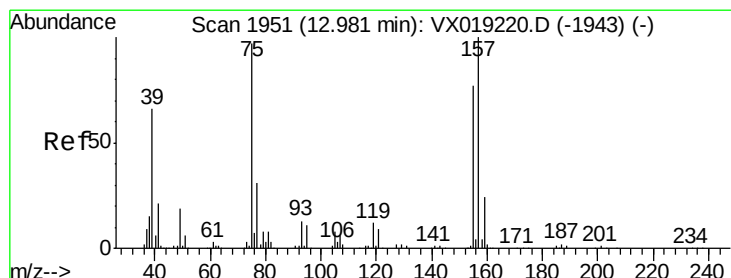
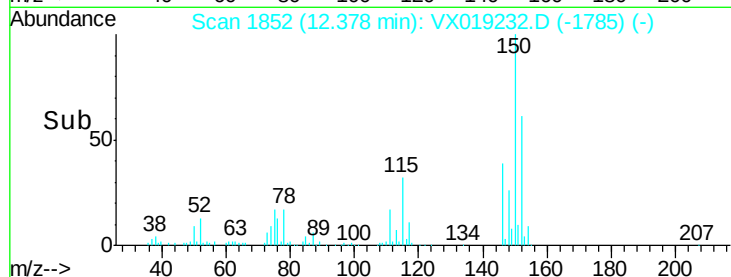
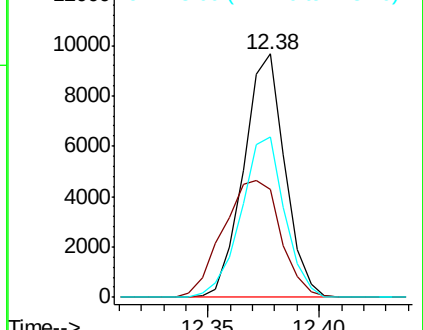
148 66.1 52.2 78.4



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



#68

1,2-Dibromo-3-chloropropane

Concen: 2.054 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

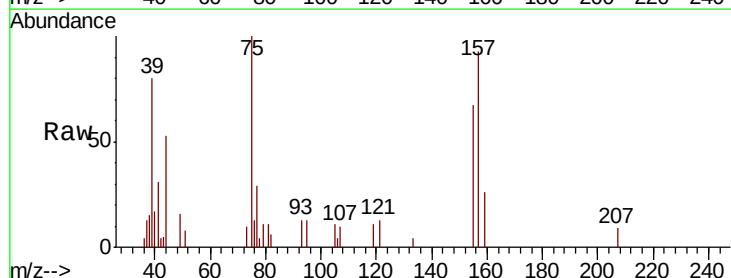
Tgt Ion: 75 Resp: 1762

Ion Ratio Lower Upper

75 100

155 67.2 65.8 98.8

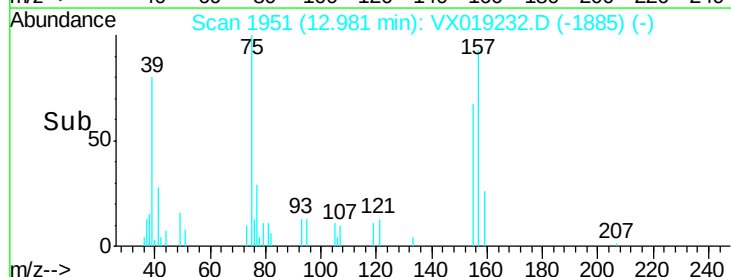
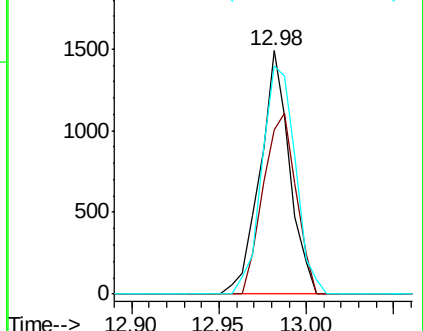
157 93.5 82.6 123.8

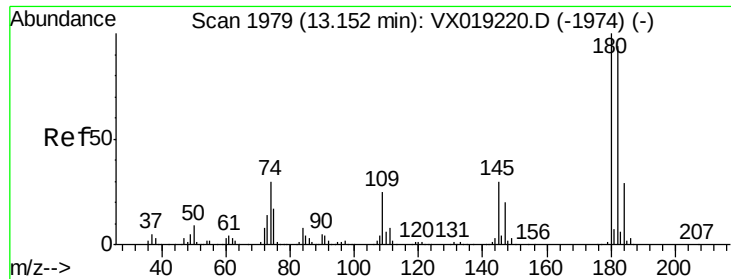


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

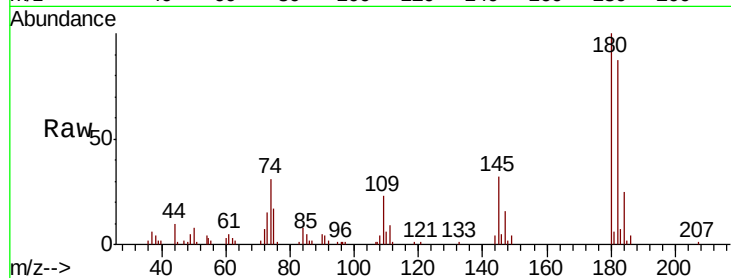




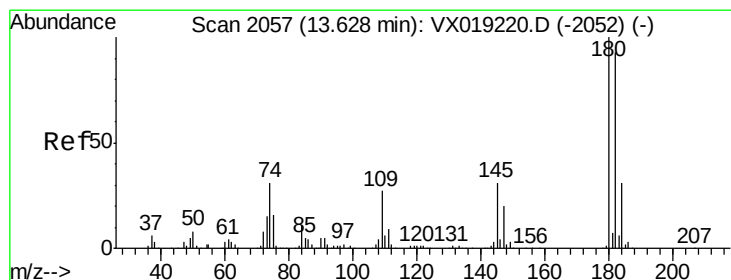
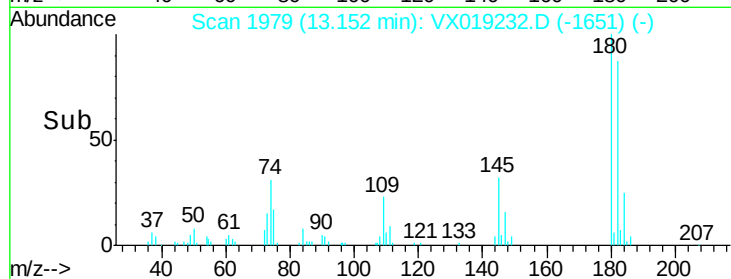
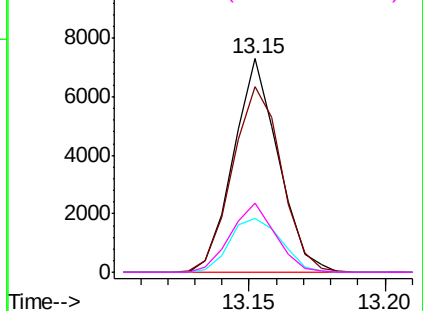
#69
 1,3,5-Trichlorobenzene
 Concen: 2.207 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019232.D
 Acq: 03 Nov 2020 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-05

Tot Ion:180 Resp: 8376
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.8 118.2
 184 29.0 25.2 37.8
 145 32.2 25.8 38.6

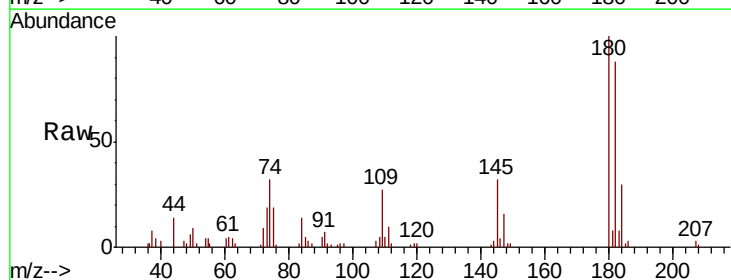


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

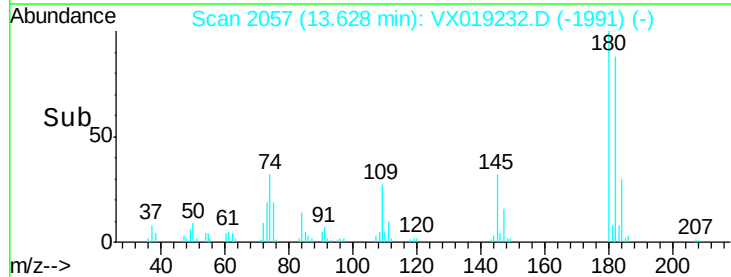
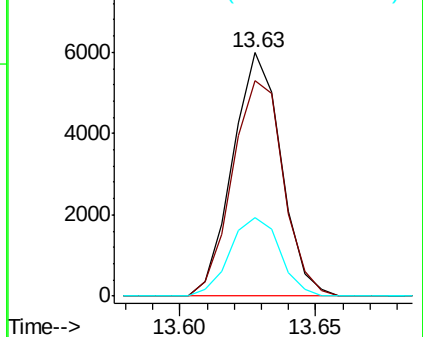


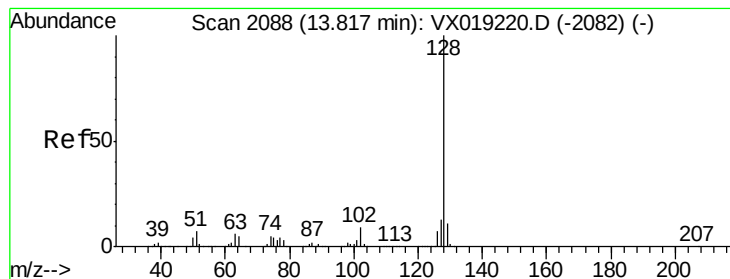
#70
 1,2,4-trichlorobenzene
 Concen: 2.112 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019232.D
 Acq: 03 Nov 2020 14:09

Tgt Ion:180 Resp: 7389
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.6 111.8
 145 33.1 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: 1.971 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-05

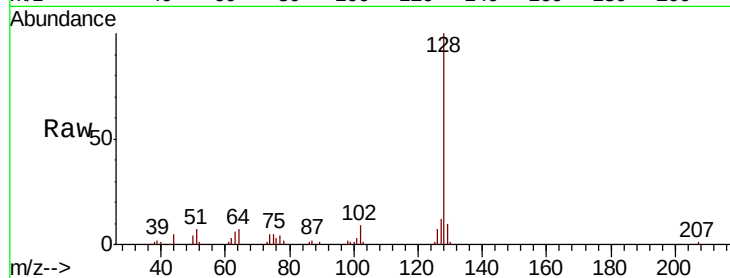
Tot Ion:128 Resp: 22292

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

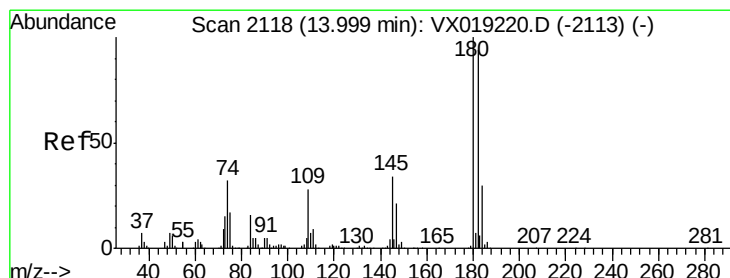
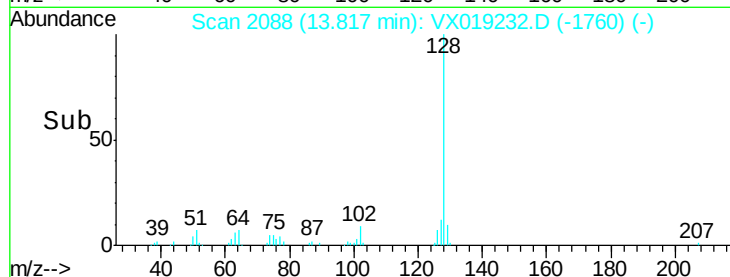
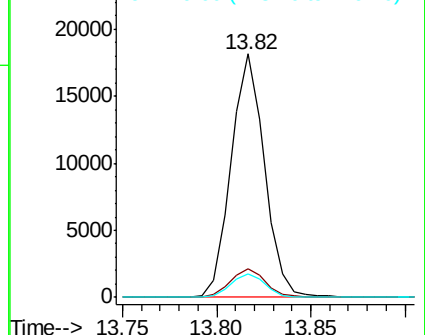
129 9.9 8.5 12.7



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: 2.088 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019232.D

Acq: 03 Nov 2020 14:09

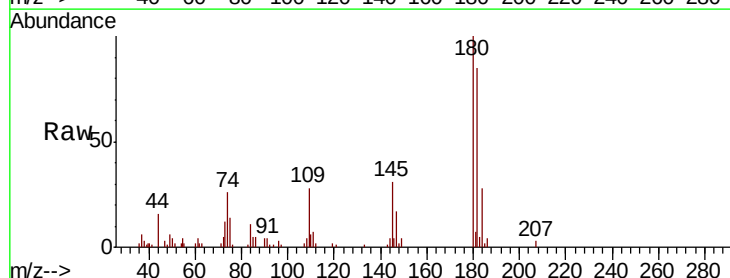
Tgt Ion:180 Resp: 7146

Ion Ratio Lower Upper

180 100

182 97.7 75.3 112.9

145 34.0 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

