

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019271.D
 Acq On : 04 Nov 2020 14:39
 Operator : JC/MD
 Sample : L4485-20
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-ME-SOIL-06

Quant Time: Nov 04 15:26:59 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	393322	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	359531	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	171791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	138774	40.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.96%
7) Chloroethane-d5	1.70	69	118295	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.10%
11) 1,1-Dichloroethene-d2	2.34	63	194565	34.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.66%
21) 2-Butanone-d5	4.53	46	196459	113.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.72%
24) Chloroform-d	5.14	84	248525	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	6.03	65	176453	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
32) Benzene-d6	6.05	84	526325	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
36) 1,2-Dichloropropane-d6	7.37	67	164532	49.93	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	8.70	98	472796	41.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.46%
43) trans-1,3-Dichloropropene-	8.99	79	78959	45.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.36%
47) 2-Hexanone-d5	9.43	63	155239	114.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.04%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	218902	56.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.60%
66) 1,2-Dichlorobenzene-d4	12.36	152	171408	49.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	6060	2.431	ug/L	96
3) Chloromethane	1.31	50	6478	2.558	ug/L	98
5) Vinyl chloride	1.39	62	7674	2.688	ug/L #	64
6) Bromomethane	1.64	94	5018	2.660	ug/L	95
8) Chloroethane	1.72	64	4944	2.779	ug/L	95
9) Trichlorofluoromethane	1.92	101	11090	2.619	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	7589	3.107	ug/L #	84
12) 1,1-Dichloroethene	2.36	96	7284	3.073	ug/L #	1
13) Acetone	2.43	43	5858	5.487	ug/L	96
14) Carbon disulfide	2.56	76	16114	2.253	ug/L	97
15) Methyl Acetate	2.75	43	6846	2.938	ug/L	97
16) Methylene chloride	2.84	84	7120	2.694	ug/L	97
17) trans-1,2-Dichloroethene	3.14	96	6477	2.542	ug/L	97
18) Methyl tert-butyl Ether	3.17	73	19895	2.470	ug/L	97
19) 1,1-Dichloroethane	3.67	63	11040	2.438	ug/L	96
20) cis-1,2-Dichloroethene	4.56	96	7043	2.516	ug/L	94
22) 2-Butanone	4.64	43	8852	5.250	ug/L	99

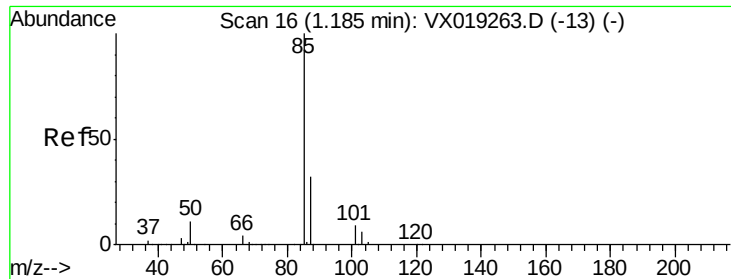
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019271.D
 Acq On : 04 Nov 2020 14:39
 Operator : JC/MD
 Sample : L4485-20
 Misc : 5.0µ/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-06

Quant Time: Nov 04 15:26:59 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)
23) Bromochloromethane	4.98	128	3367	2.389	ug/L	96
25) Chloroform	5.18	83	28076	5.907	ug/L	98
27) 1,2-Dichloroethane	6.16	62	9810	2.622	ug/L	96
29) Cyclohexane	5.54	56	10022	2.422	ug/L #	64
30) 1,1,1-Trichloroethane	5.46	97	10474	2.417	ug/L #	83
31) Carbon tetrachloride	5.76	117	8418	2.261	ug/L	96
33) Benzene	6.12	78	25175	2.439	ug/L	100
34) Trichloroethene	7.19	95	7035	2.497	ug/L	93
35) Methylcyclohexane	7.44	83	10232	2.295	ug/L	97
37) 1,2-Dichloropropane	7.49	63	6320	2.465	ug/L #	97
38) Bromodichloromethane	7.87	83	8180	2.294	ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	10395	2.440	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	16906	5.392	ug/L	96
42) Toluene	8.76	91	33552	2.988	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10255	2.471	ug/L	92
45) 1,1,2-Trichloroethane	9.20	97	6336	2.516	ug/L	99
46) Tetrachloroethene	9.32	164	5235	2.463	ug/L	99
48) 2-Hexanone	9.48	43	15753	6.376	ug/L	99
49) Dibromochloromethane	9.56	129	6154	2.234	ug/L	97
50) 1,2-Dibromoethane	9.65	107	6380	2.422	ug/L	89
51) Chlorobenzene	10.12	112	17542	2.512	ug/L	99
52) Ethylbenzene	10.24	91	28623	2.358	ug/L	100
53) m,p-Xylene	10.34	106	11020	2.417	ug/L	95
54) o-Xylene	10.68	106	10213	2.313	ug/L	90
55) Styrene	10.70	104	16484	2.213	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	10433	3.022	ug/L #	98
59) Bromoform	10.84	173	3861	2.075	ug/L	98
60) Isopropylbenzene	11.00	105	26897	2.307	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	8201	2.803	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	21097	2.200	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	20544	2.264	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	12446	2.473	ug/L	92
65) 1,4-Dichlorobenzene	12.08	146	13140	2.573	ug/L	95
67) 1,2-Dichlorobenzene	12.38	146	12762	2.618	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	1898	2.382	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	8218	2.331	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	7021	2.161	ug/L	93
71) Naphthalene	13.82	128	22639	2.155	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	7542	2.372	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.431 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

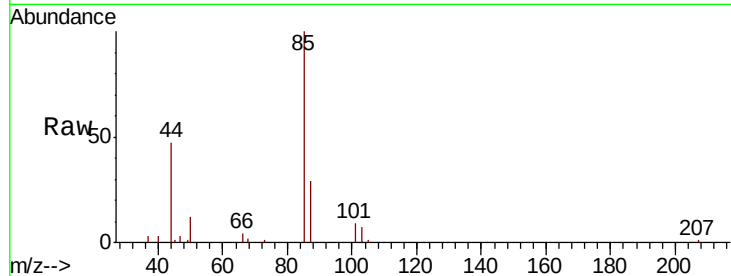
MDL-ME-SOIL-06

Tot Ion: 85 Resp: 6060

Ion Ratio Lower Upper

85 100

87 29.9 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

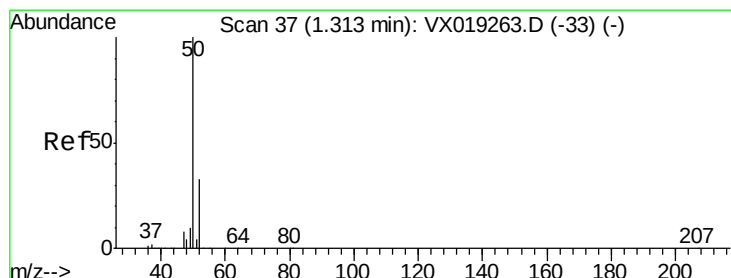
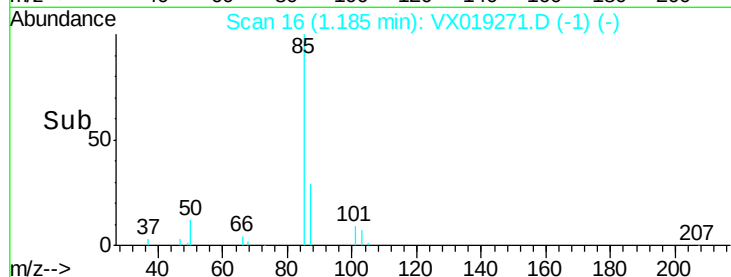
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: 2.558 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019271.D

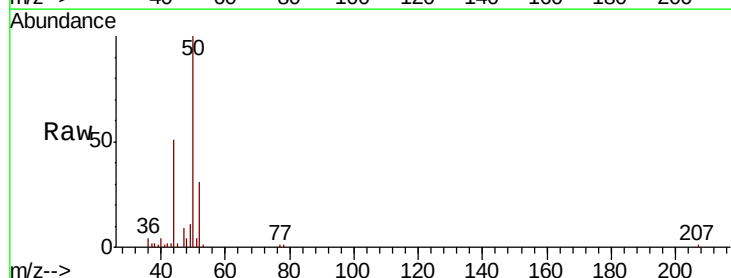
Acq: 04 Nov 2020 14:39

Tgt Ion: 50 Resp: 6478

Ion Ratio Lower Upper

50 100

52 31.3 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

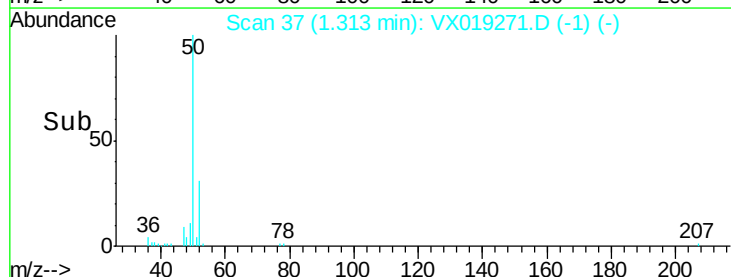
6000

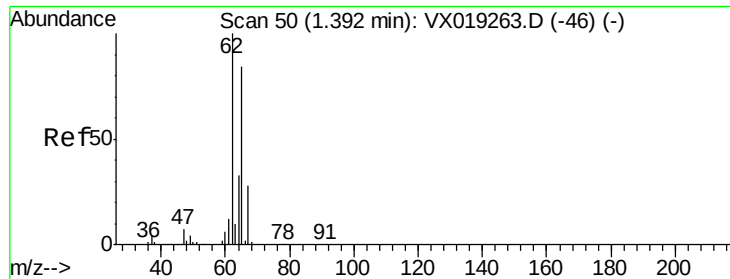
4000

2000

0

Time-->





#5

Vinyl chloride

Concen: 2.688 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

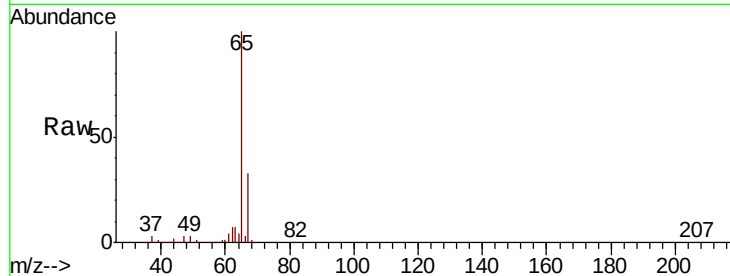
MDL-ME-SOIL-06

Tot Ion: 62 Resp: 7674

Ion Ratio Lower Upper

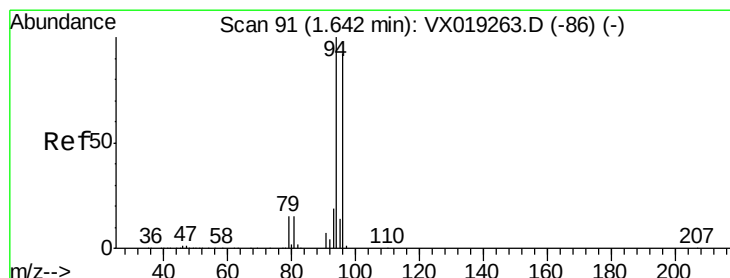
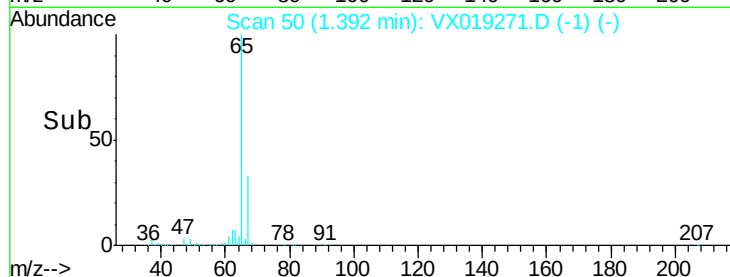
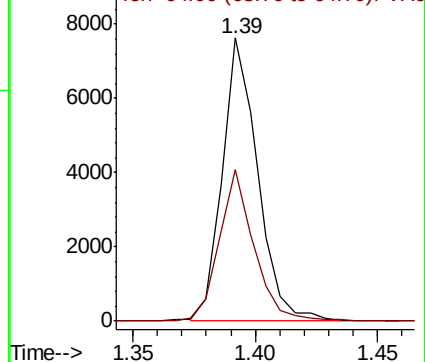
62 100

64 53.7 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



#6

Bromomethane

Concen: 2.660 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX019271.D

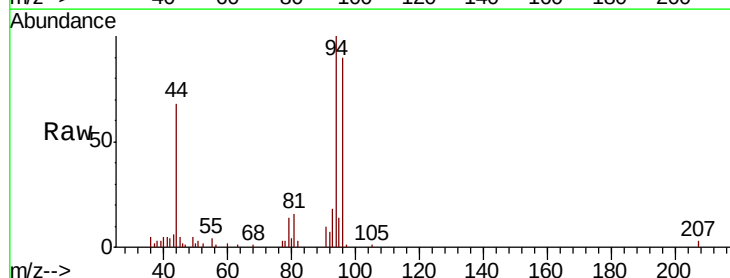
Acq: 04 Nov 2020 14:39

Tgt Ion: 94 Resp: 5018

Ion Ratio Lower Upper

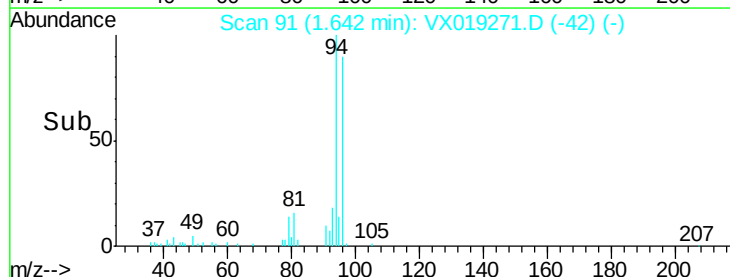
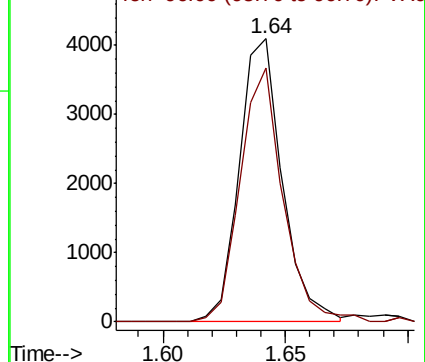
94 100

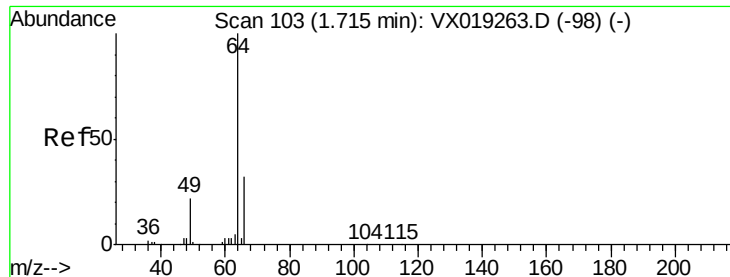
96 89.8 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

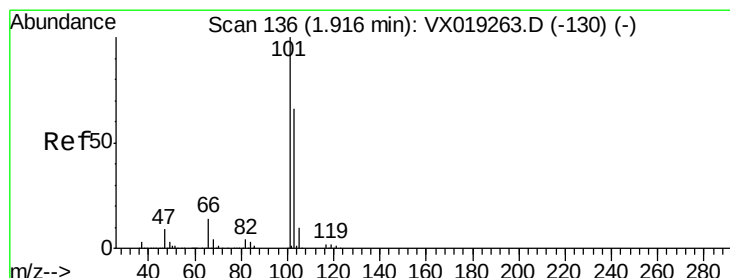
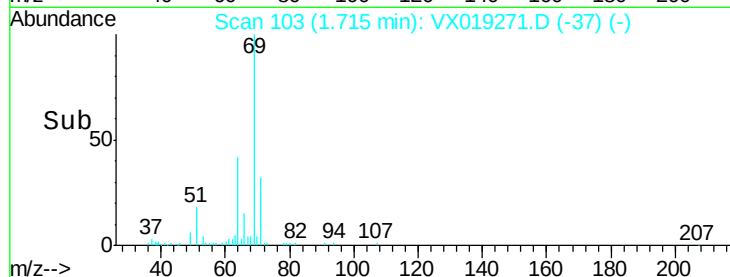
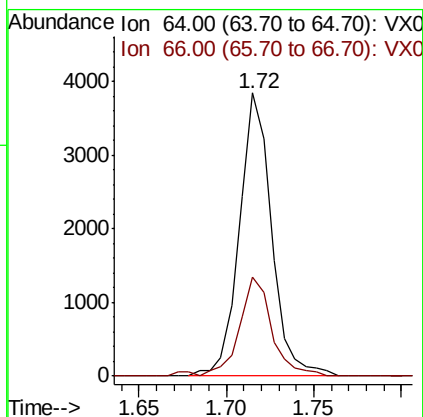
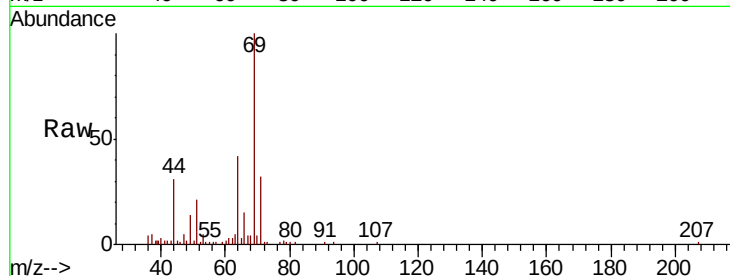




#8
Chloroethane
Concen: 2.779 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

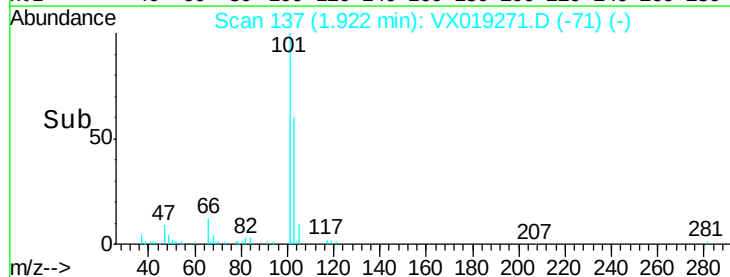
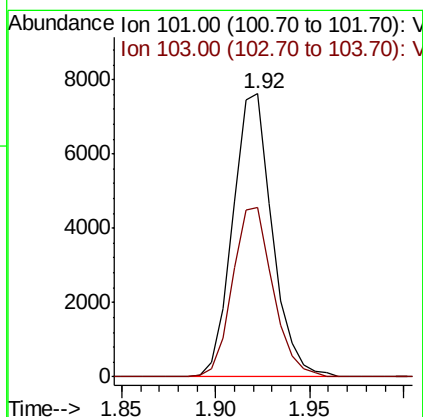
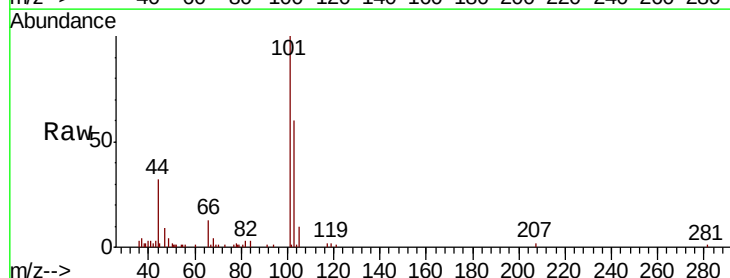
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

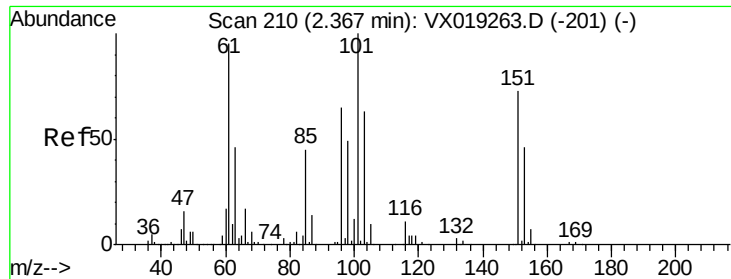
Tot Ion: 64 Resp: 4944
Ion Ratio Lower Upper
64 100
66 35.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.619 ug/L
RT: 1.92 min Scan# 137
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion: 101 Resp: 11090
Ion Ratio Lower Upper
101 100
103 61.2 51.3 76.9





#10

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

Concen: 3.107 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-06

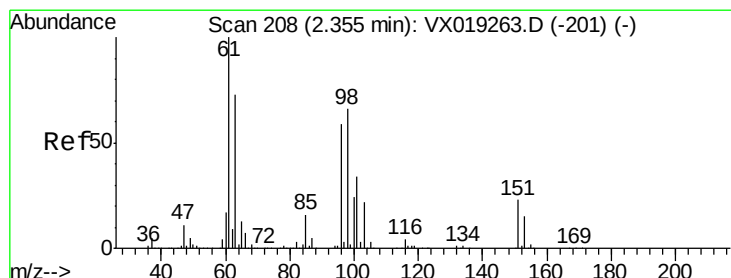
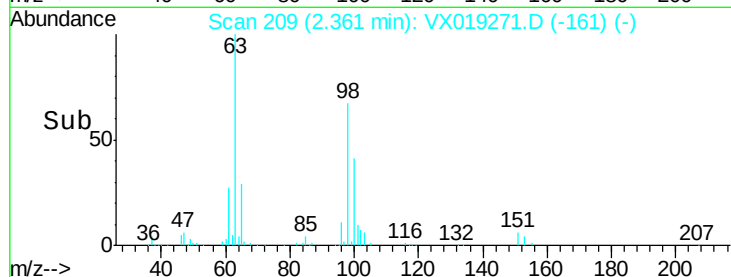
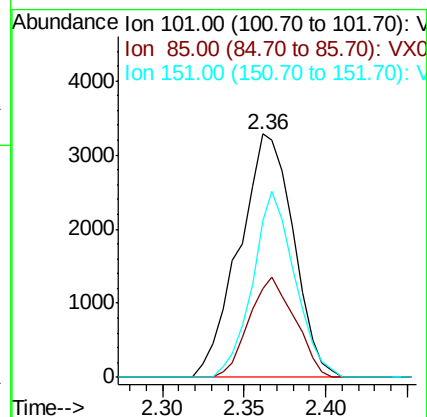
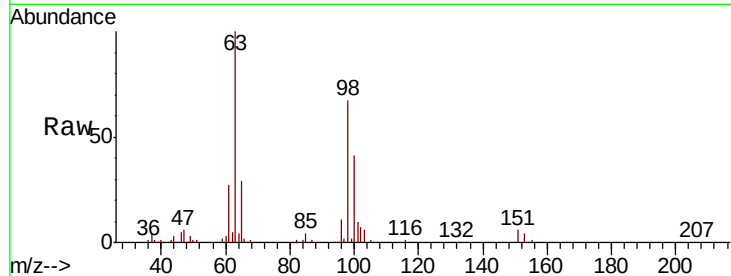
Tot Ion:101 Resp: 7589

Ion Ratio Lower Upper

101 100

85 34.7 35.0 52.4#

151 59.6 59.9 89.9#



#12

1,1-Dichloroethene

Concen: 3.073 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

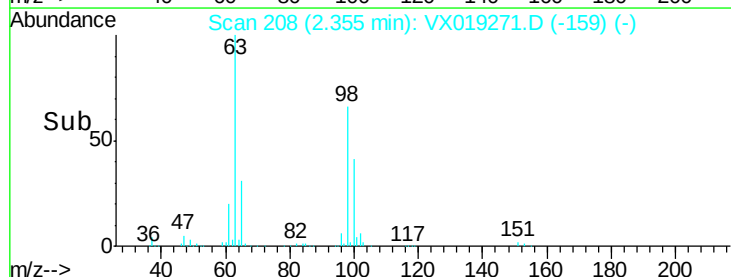
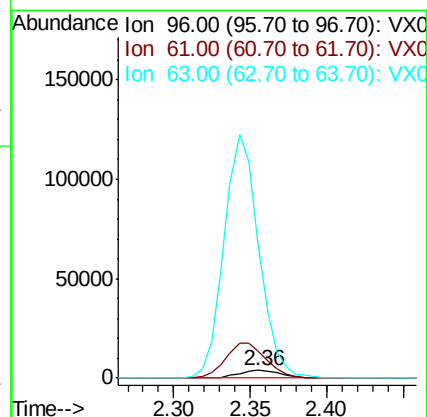
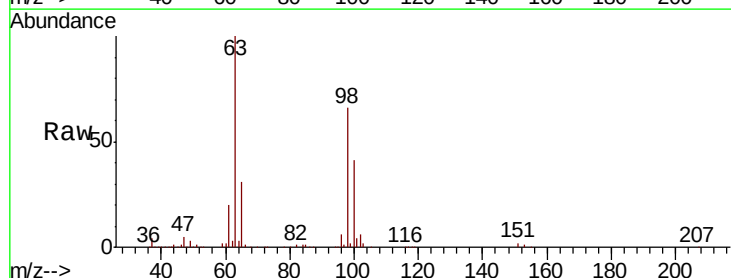
Tgt Ion: 96 Resp: 7284

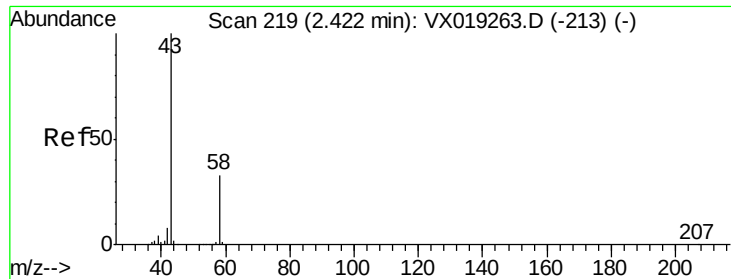
Ion Ratio Lower Upper

96 100

61 344.5 115.1 213.8#

63 1704.4 78.3 145.5#





#13

Acetone

Concen: 5.487 ug/L

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

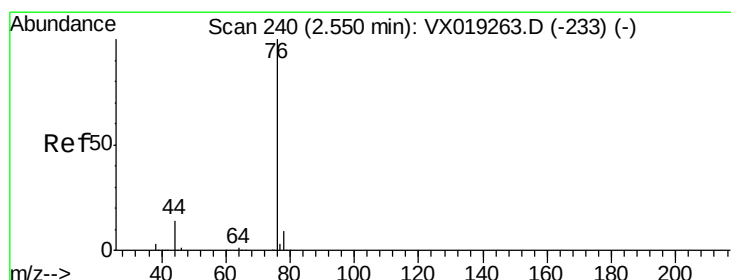
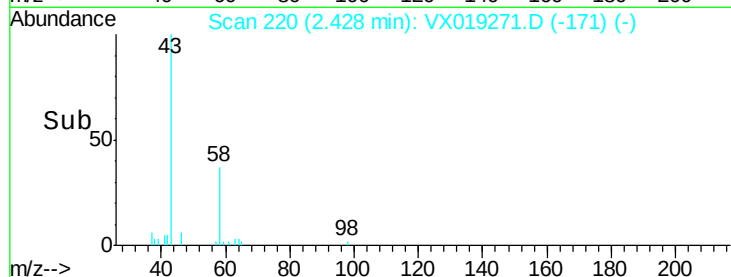
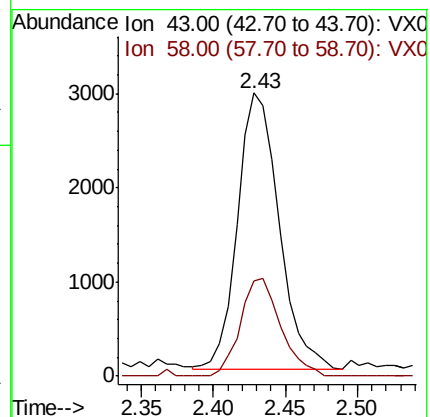
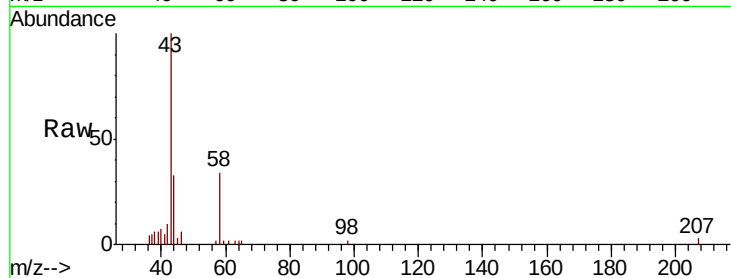
MDL-ME-SOIL-06

Tot Ion: 43 Resp: 5858

Ion Ratio Lower Upper

43 100

58 34.5 0.0 64.6



#14

Carbon disulfide

Concen: 2.253 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019271.D

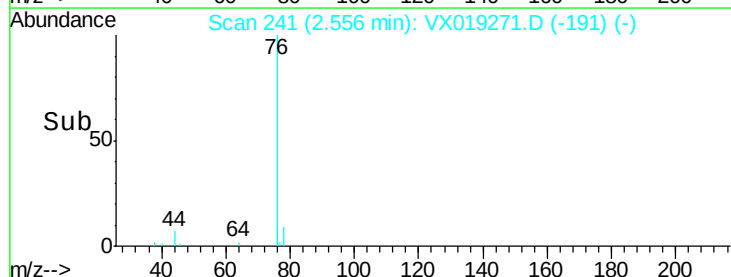
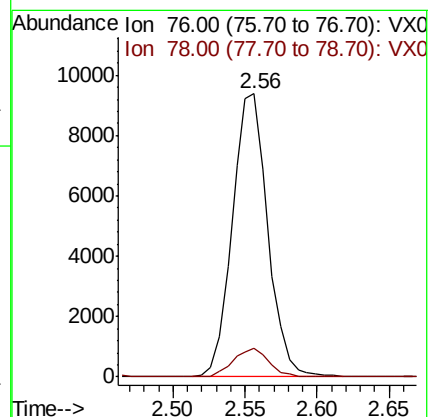
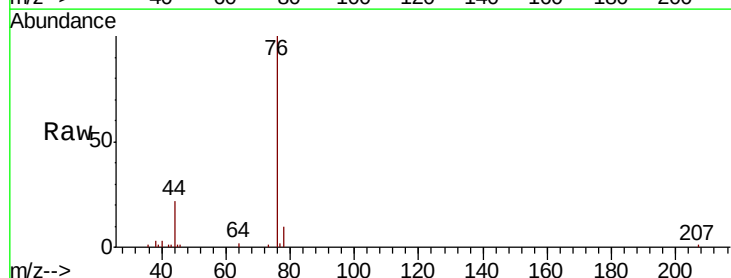
Acq: 04 Nov 2020 14:39

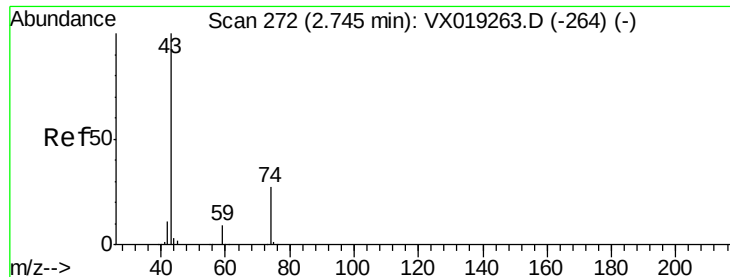
Tgt Ion: 76 Resp: 16114

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7

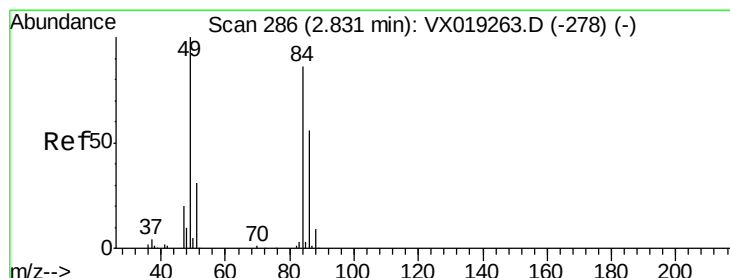
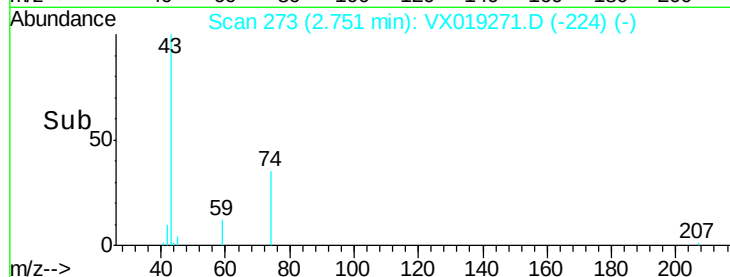
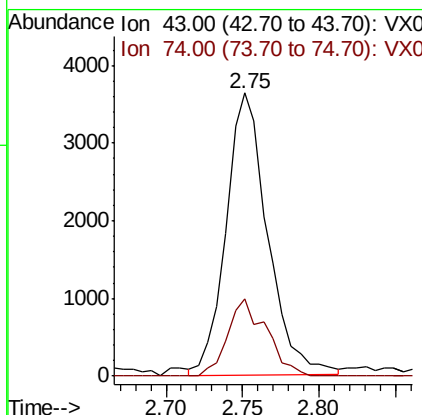
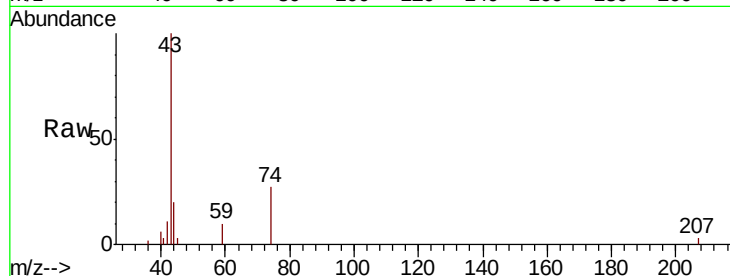




#15
Methvl Acetate
Concen: 2.938 ug/L
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

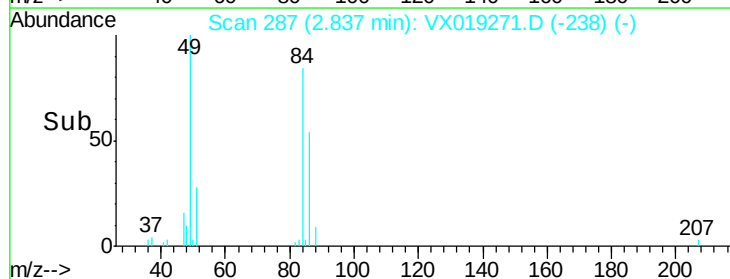
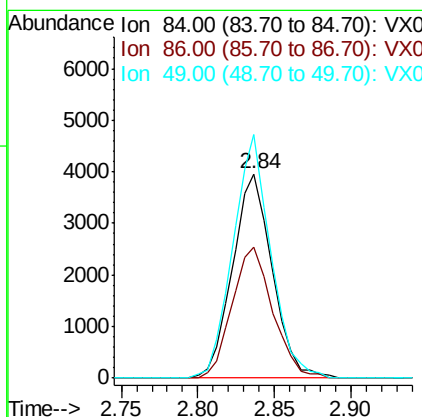
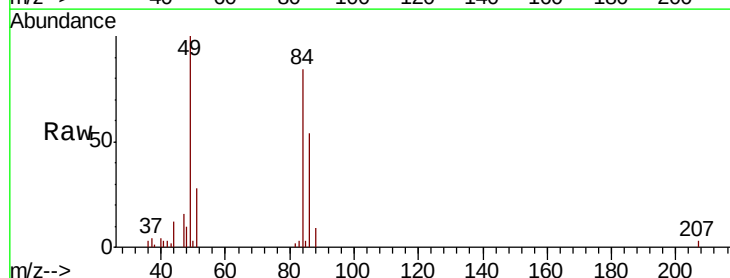
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

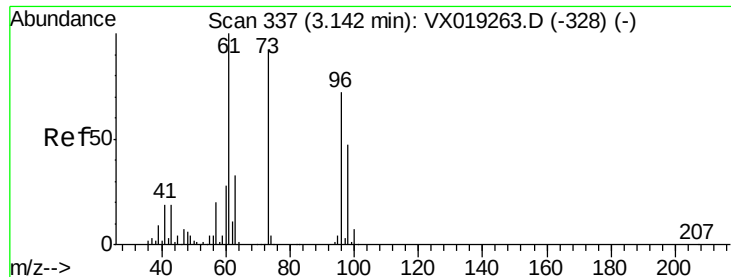
Tot Ion: 43 Resp: 6846
Ion Ratio Lower Upper
43 100
74 25.7 21.8 32.8



#16
Methylene chloride
Concen: 2.694 ug/L
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion: 84 Resp: 7120
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.6
49 119.4 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.542 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-06

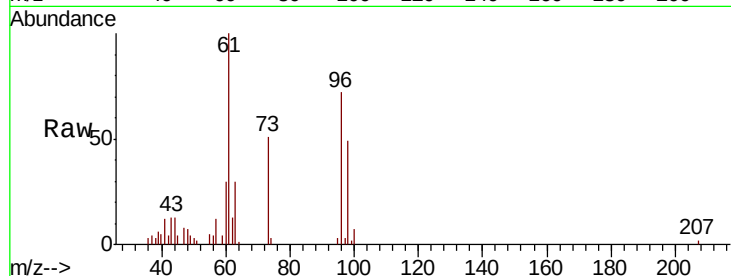
Tot Ion: 96 Resp: 6477

Ion Ratio Lower Upper

96 100

61 138.2 95.7 177.7

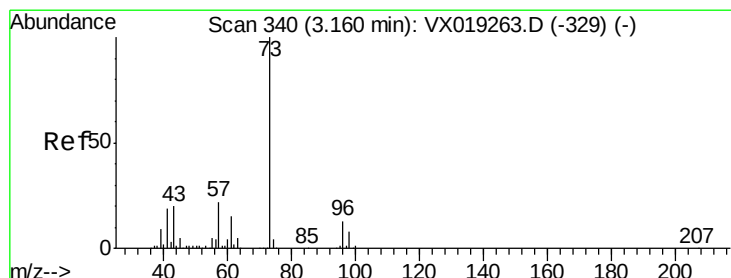
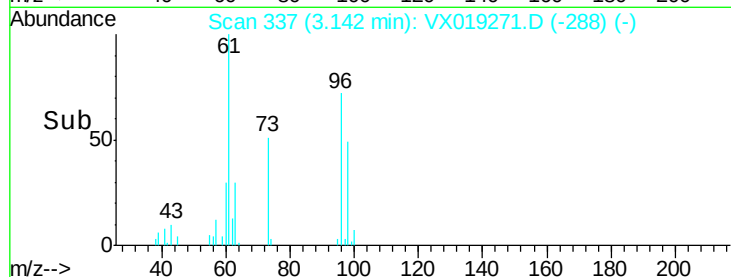
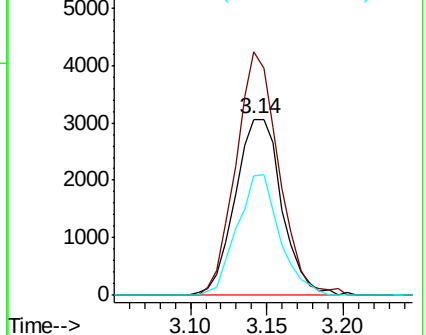
98 68.0 44.2 82.0



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: 2.470 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

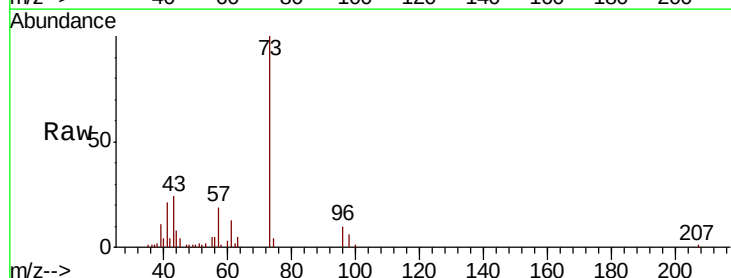
Tgt Ion: 73 Resp: 19895

Ion Ratio Lower Upper

73 100

43 22.3 15.8 23.6

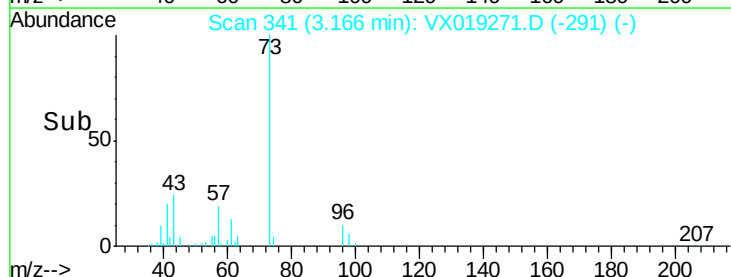
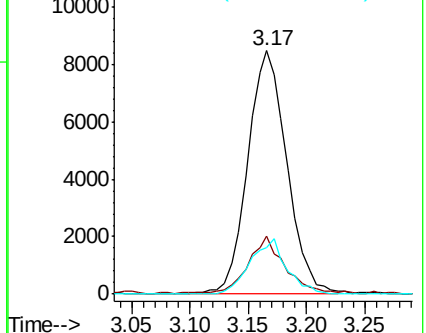
57 21.1 17.0 25.4

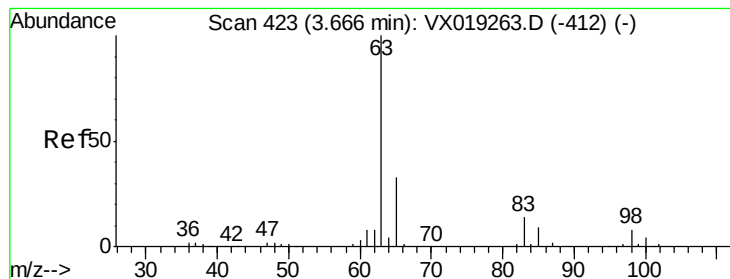


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#19

1,1-Dichloroethane

Concen: 2.438 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-06

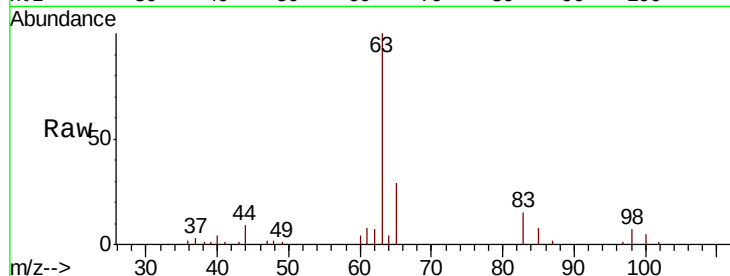
Tot Ion: 63 Resp: 11040

Ion Ratio Lower Upper

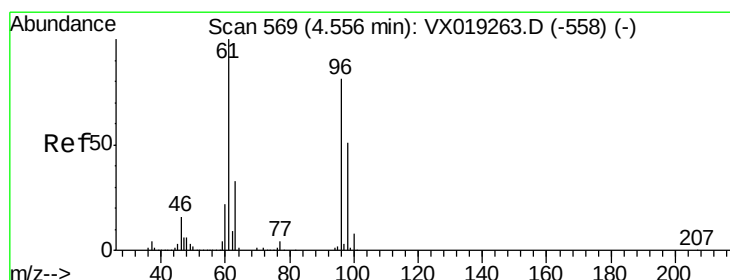
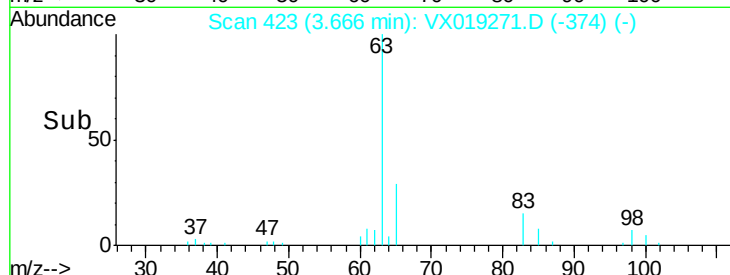
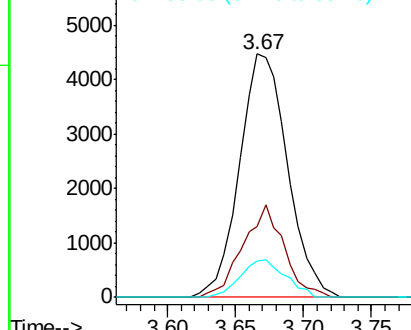
63 100

65 29.0 22.3 41.3

83 15.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0
Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 2.516 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

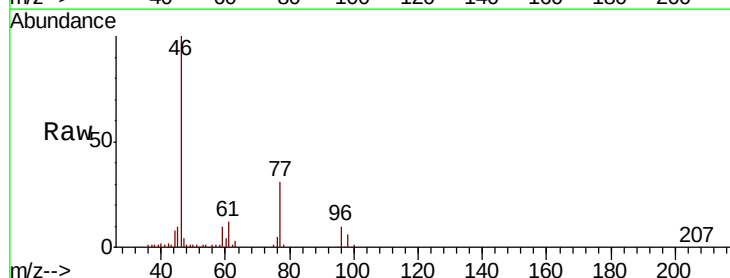
Tgt Ion: 96 Resp: 7043

Ion Ratio Lower Upper

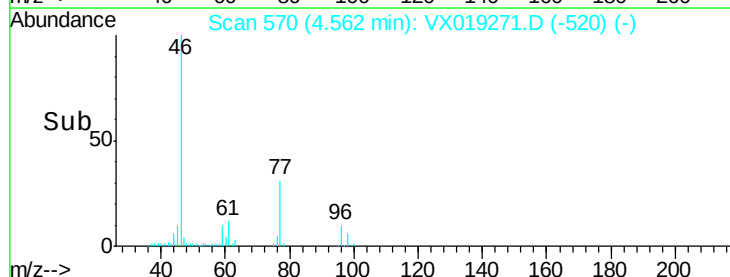
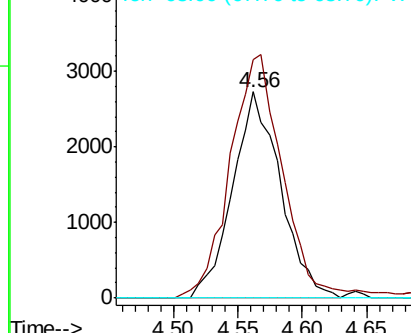
96 100

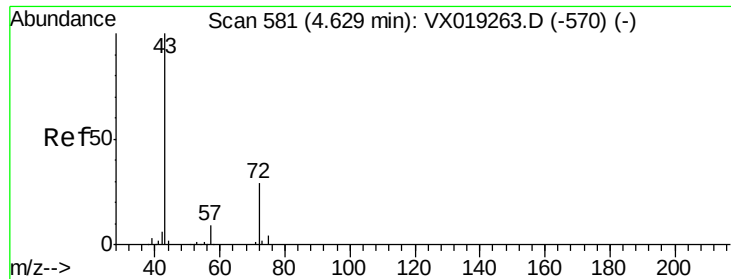
61 115.9 86.1 159.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 5.250 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

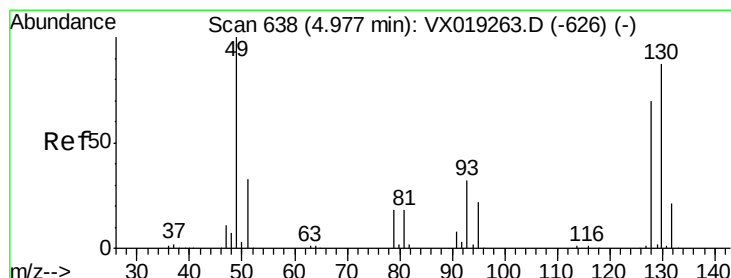
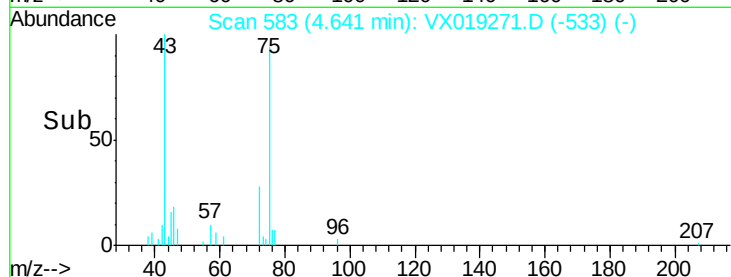
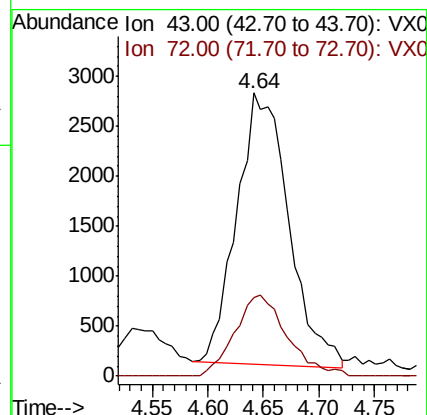
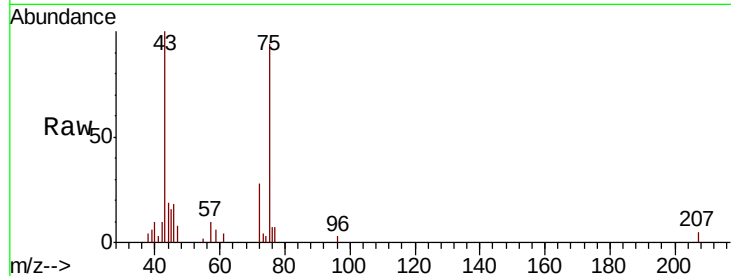
MDL-ME-SOIL-06

Tot Ion: 43 Resp: 8852

Ion Ratio Lower Upper

43 100

72 29.4 15.0 45.0



#23

Bromochloromethane

Concen: 2.389 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Tgt Ion: 128 Resp: 3367

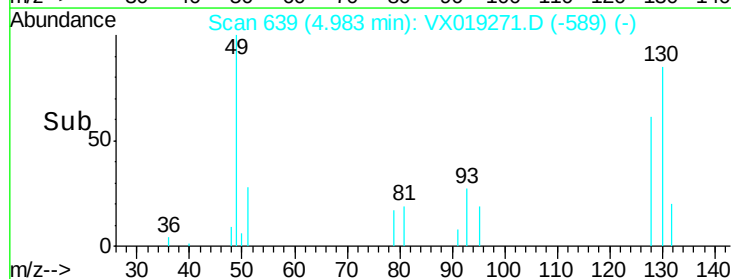
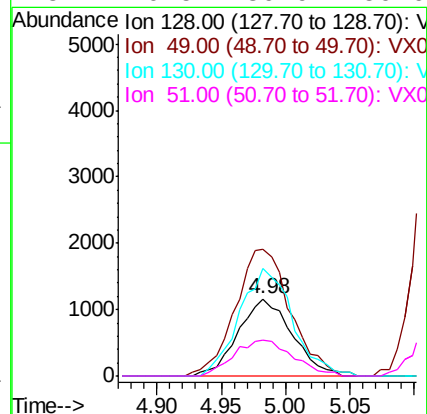
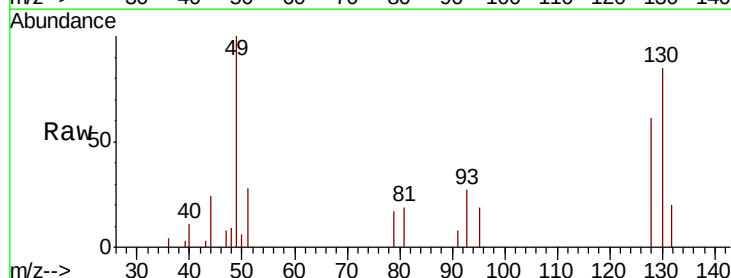
Ion Ratio Lower Upper

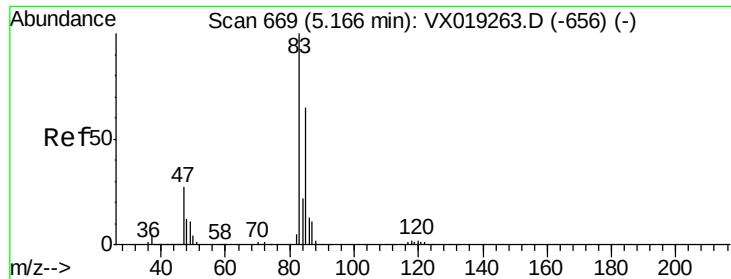
128 100

49 163.8 108.4 201.4

130 138.6 96.7 179.7

51 46.5 39.9 59.9

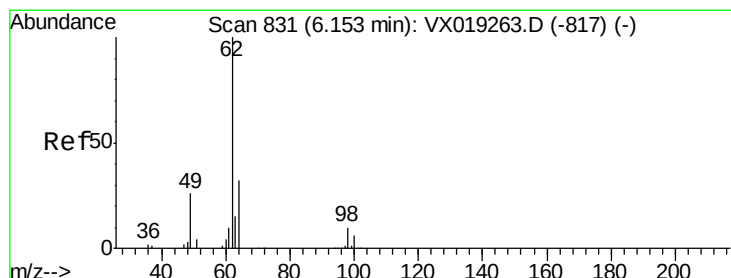
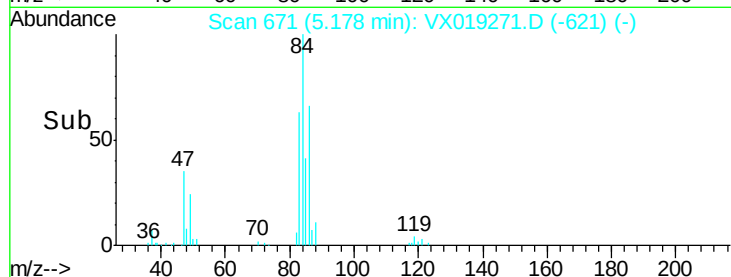
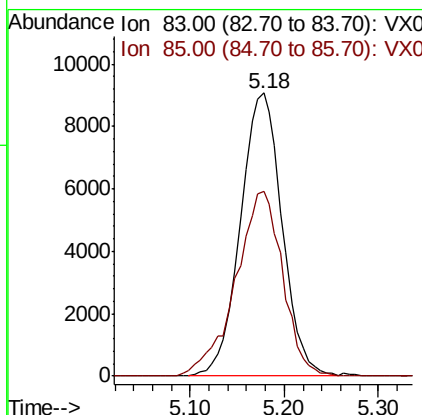
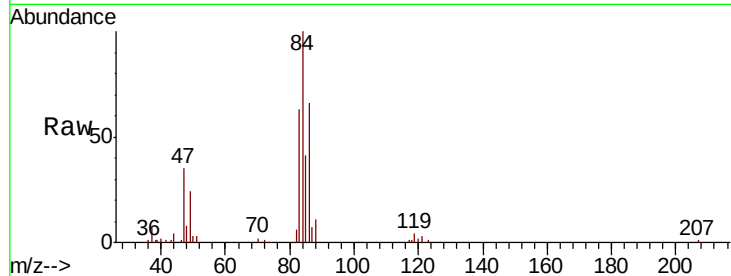




#25
Chloroform
Concen: 5.907 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

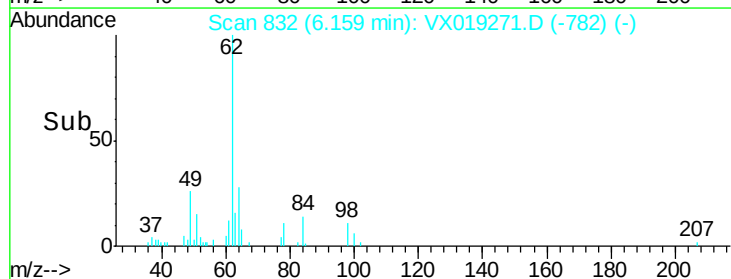
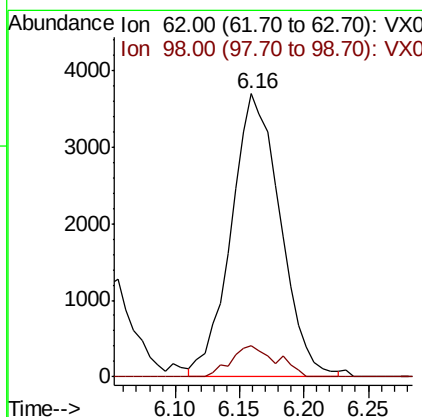
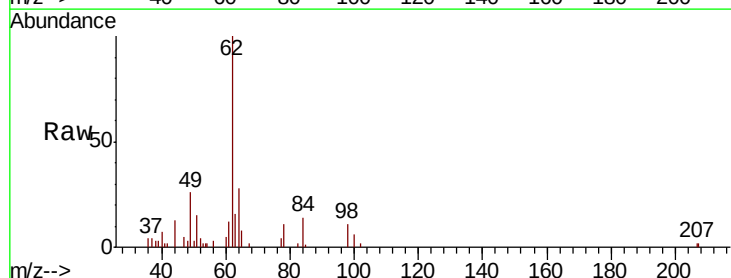
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

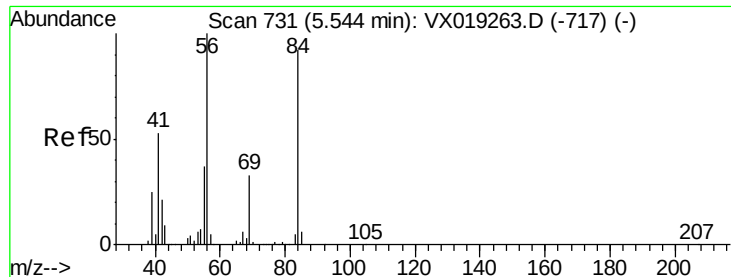
Tot Ion: 83 Resp: 28076
Ion Ratio Lower Upper
83 100
85 65.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.622 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion: 62 Resp: 9810
Ion Ratio Lower Upper
62 100
98 10.9 7.6 11.4

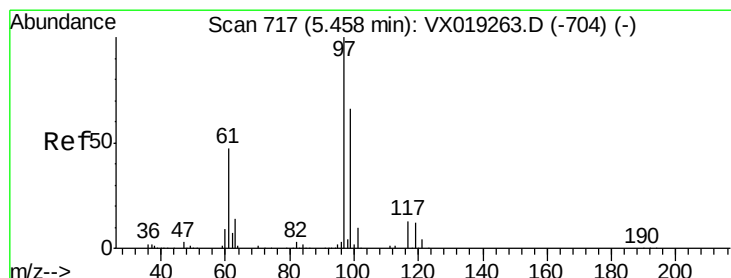
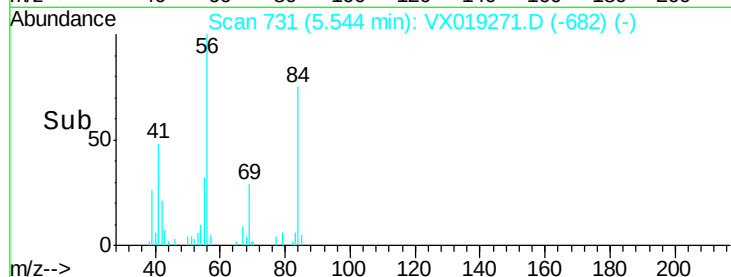
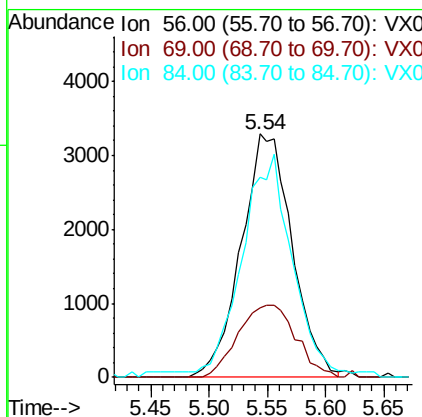
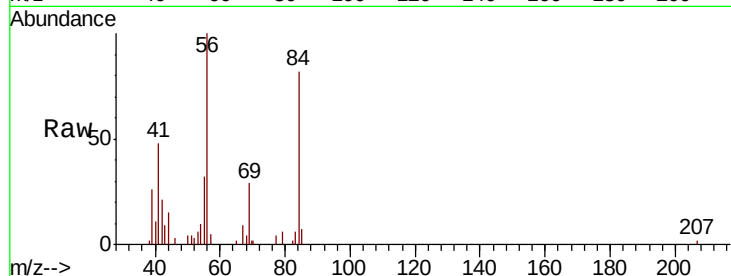




#29
Cyclohexane
Concen: 2.422 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

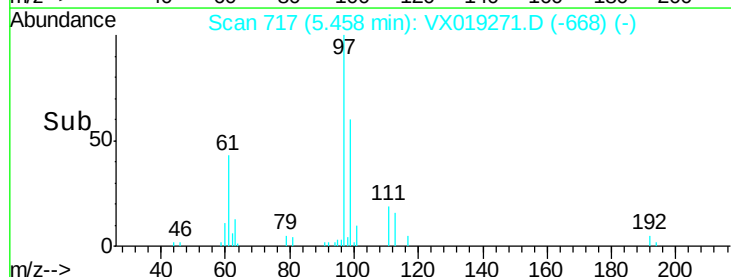
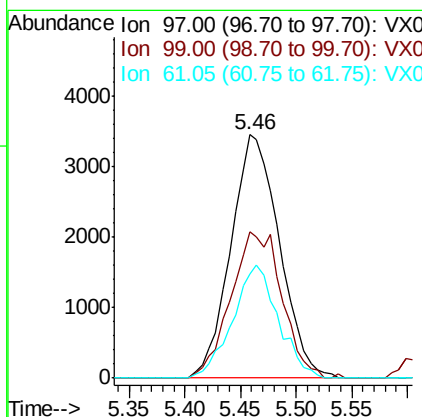
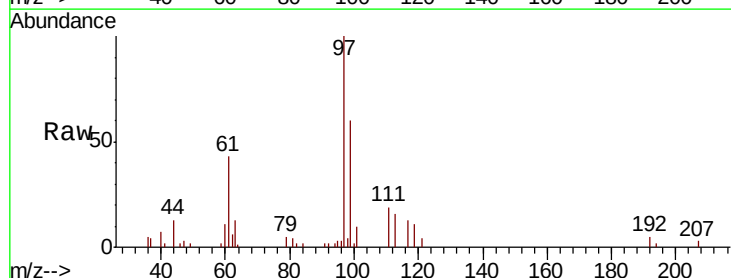
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

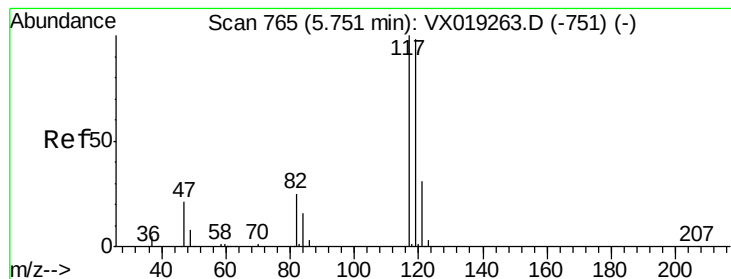
Tot Ion: 56 Resp: 10022
Ion Ratio Lower Upper
56 100
69 33.6 25.2 37.8
84 46.7 73.6 110.4#



#30
1,1,1-Trichloroethane
Concen: 2.417 ug/L
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion: 97 Resp: 10474
Ion Ratio Lower Upper
97 100
99 41.6 51.0 76.6#
61 43.5 34.8 52.2





#31

Carbon tetrachloride

Concen: 2.261 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

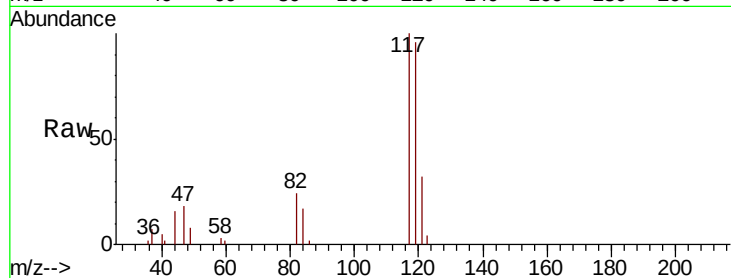
MDL-ME-SOIL-06

Tot Ion:117 Resp: 8418

Ion Ratio Lower Upper

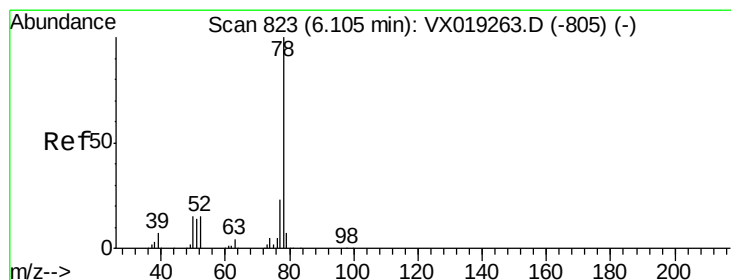
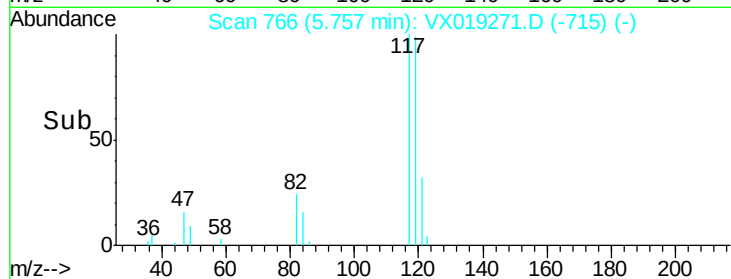
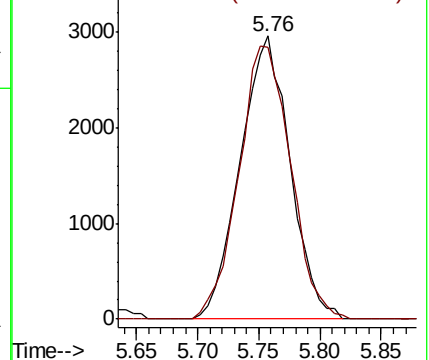
117 100

119 99.9 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: 2.439 ug/L

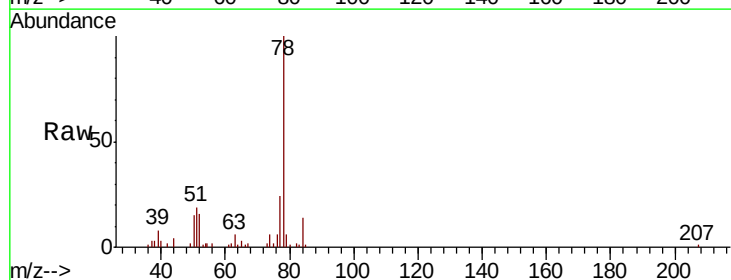
RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

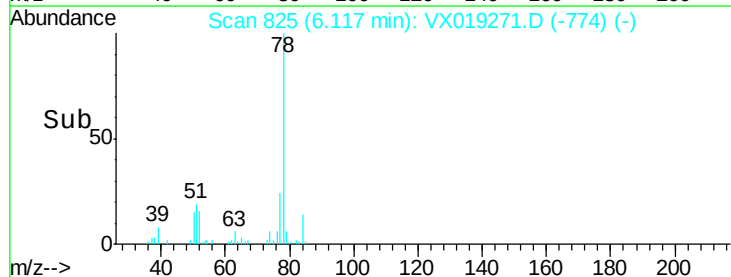
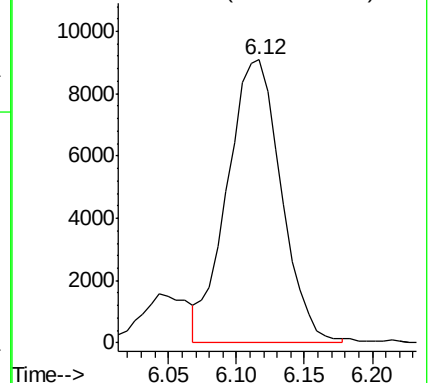
Lab File: VX019271.D

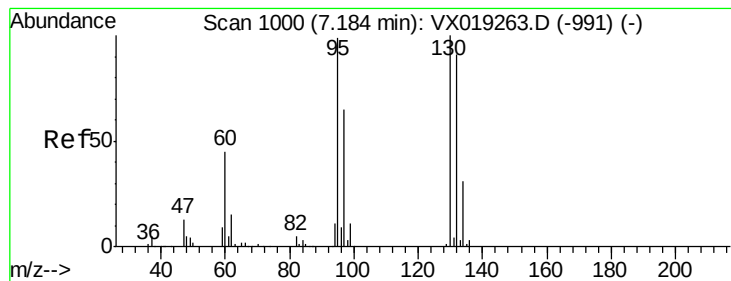
Acq: 04 Nov 2020 14:39

Tgt Ion: 78 Resp: 25175



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 2.497 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-06

Tot Ion: 95 Resp: 7035

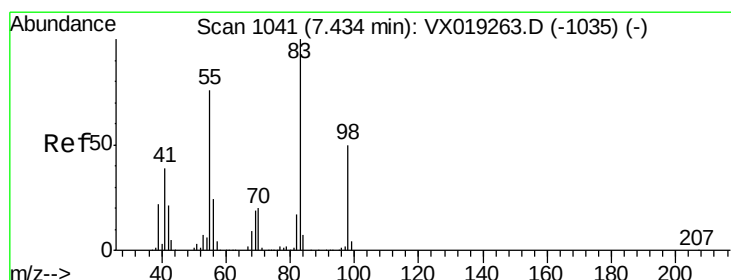
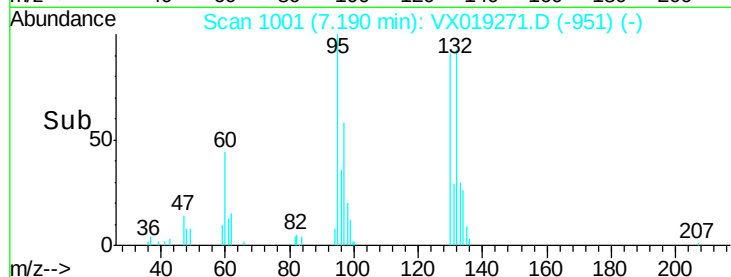
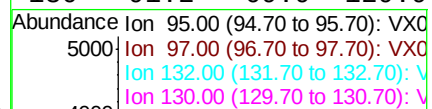
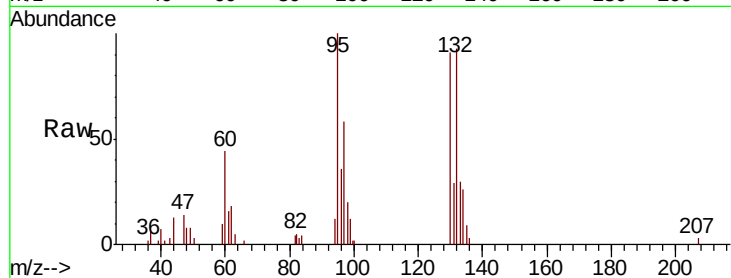
Ion Ratio Lower Upper

95 100

97 58.5 45.1 83.9

132 92.6 67.3 124.9

130 91.2 69.9 129.9



#35

Methylcyclohexane

Concen: 2.295 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

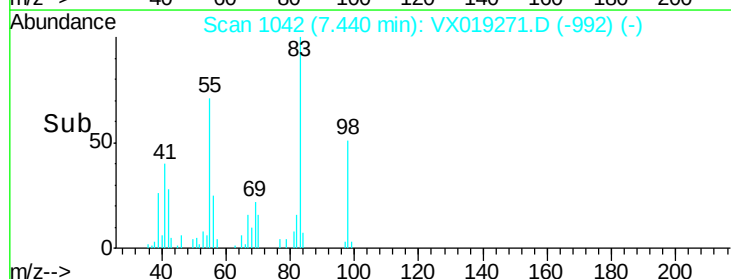
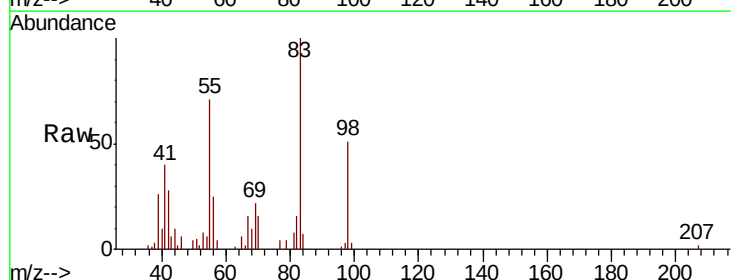
Tgt Ion: 83 Resp: 10232

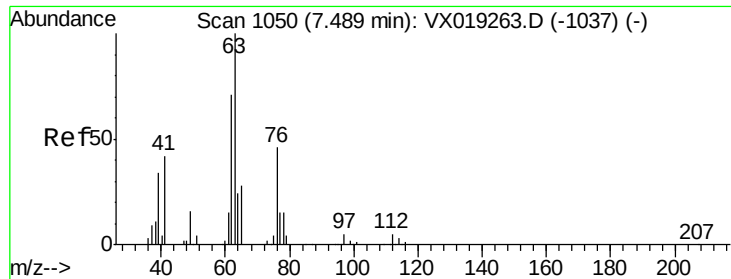
Ion Ratio Lower Upper

83 100

55 77.1 58.6 87.8

98 48.0 39.0 58.6





#37

1,2-Dichloropropane

Concen: 2.465 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

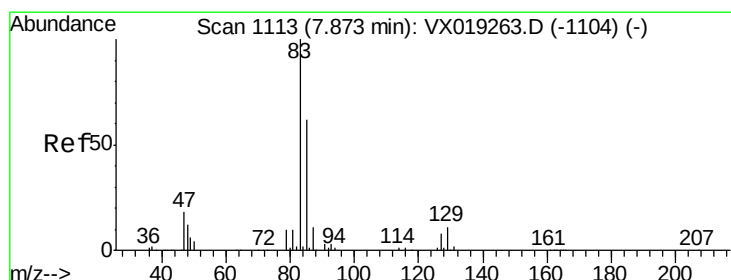
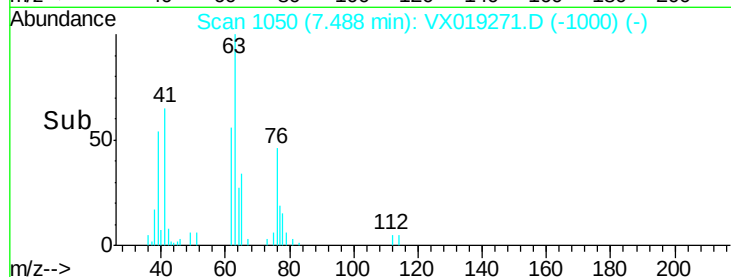
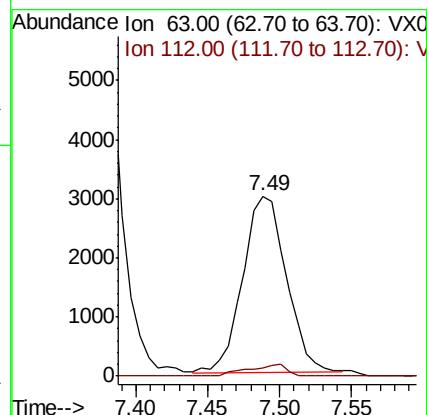
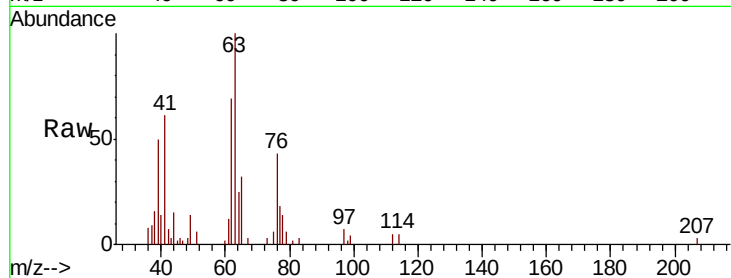
MDL-ME-SOIL-06

Tot Ion: 63 Resp: 6320

Ion Ratio Lower Upper

63 100

112 5.8 3.8 5.6#



#38

Bromodichloromethane

Concen: 2.294 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

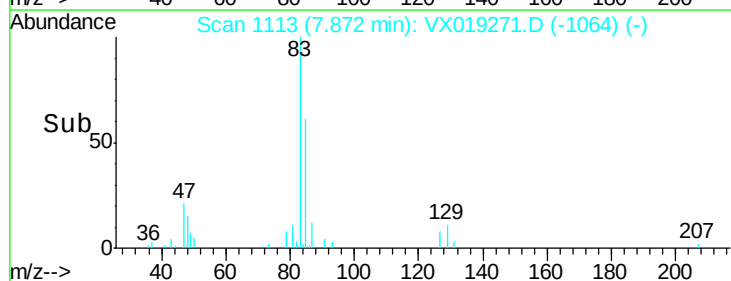
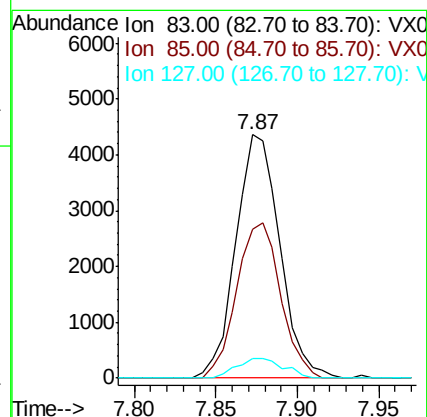
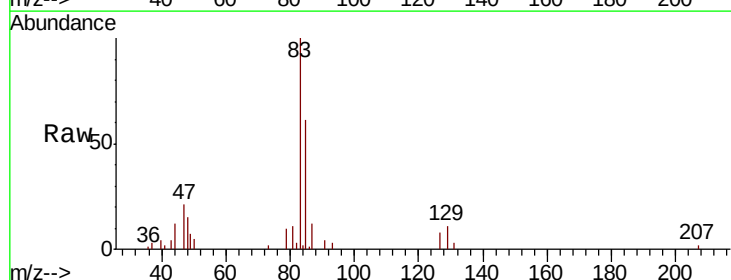
Tgt Ion: 83 Resp: 8180

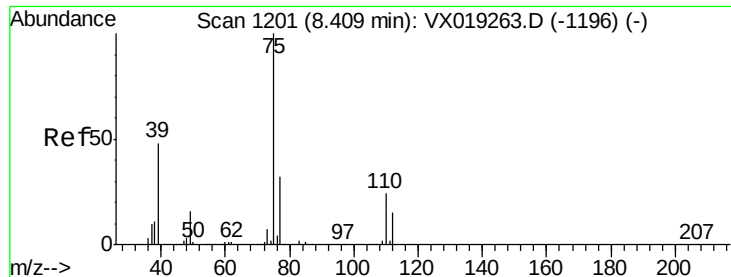
Ion Ratio Lower Upper

83 100

85 61.2 44.6 82.8

127 8.2 6.8 10.2



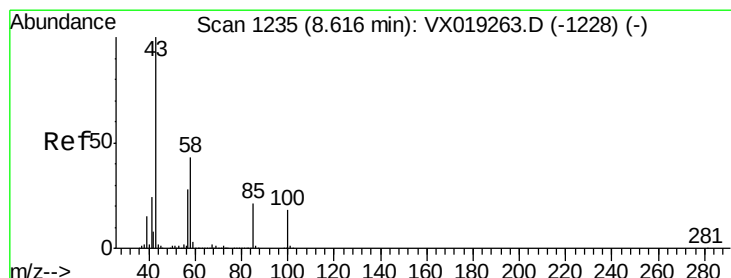
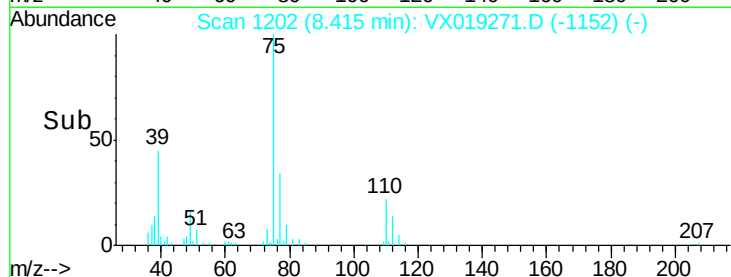
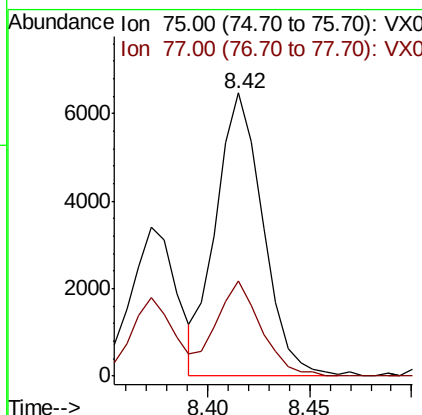
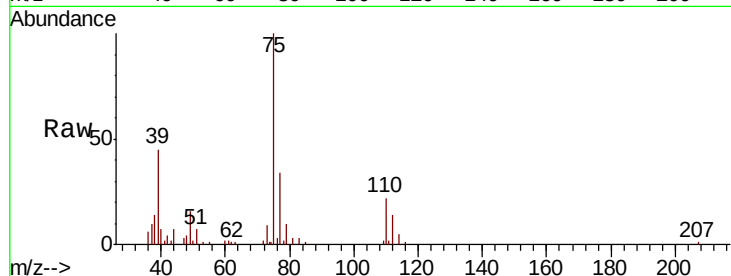


#39

cis-1,3-Dichloropropene
 Concen: 2.440 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Instrument :
 MSVOA_X
 ClientSampled :
 MDL-ME-SOIL-06

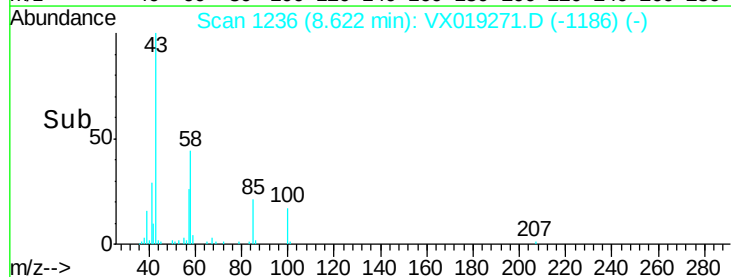
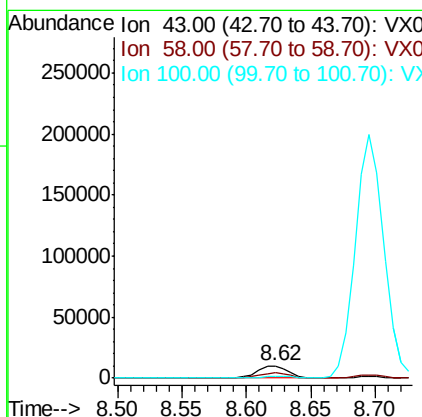
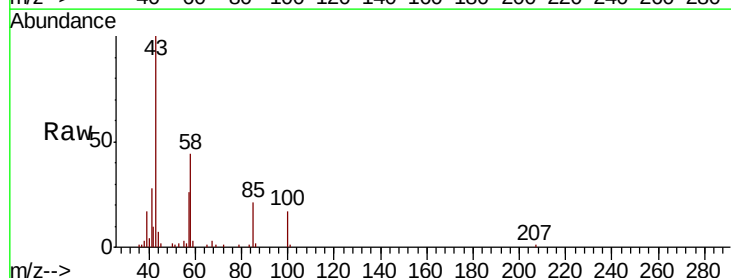
Tot Ion: 75 Resp: 10395
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.5 41.7

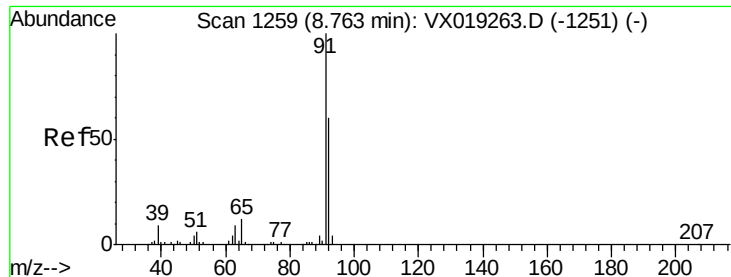


#40

4-Methyl-2-pentanone
 Concen: 5.392 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Tgt Ion: 43 Resp: 16906
 Ion Ratio Lower Upper
 43 100
 58 40.1 34.1 51.1
 100 16.7 14.8 22.2





#42

Toluene

Concen: 2.988 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

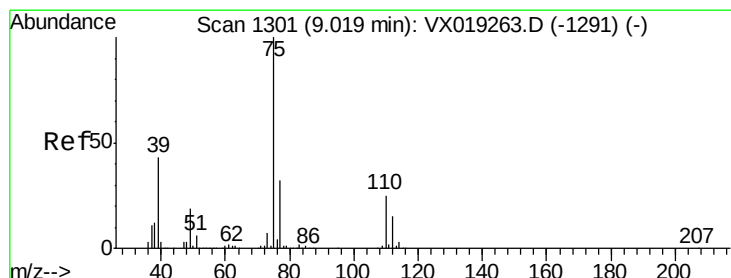
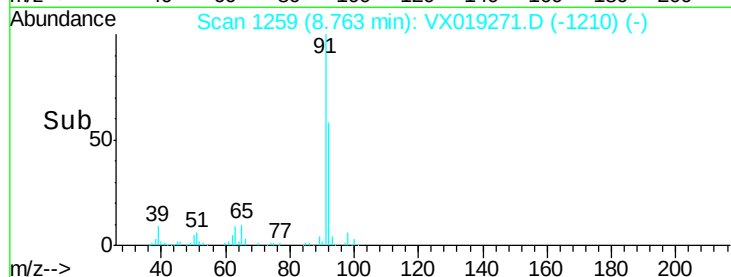
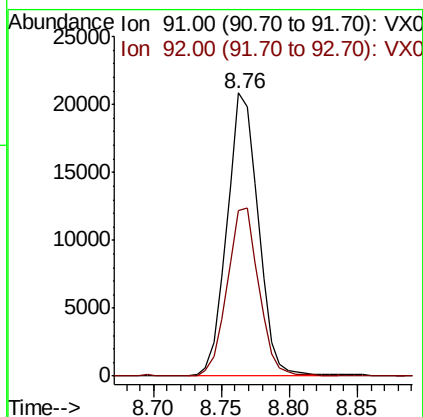
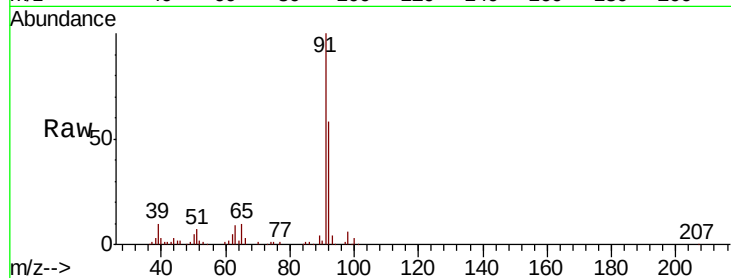
MDL-ME-SOIL-06

Tot Ion: 91 Resp: 33552

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 2.471 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019271.D

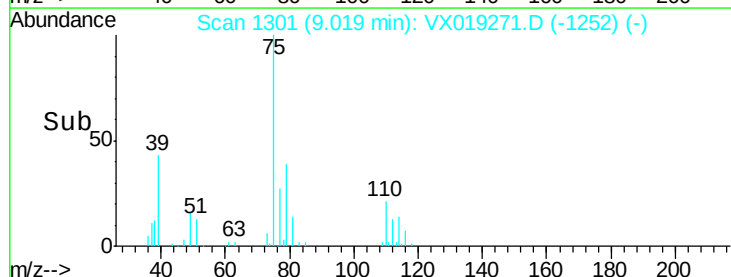
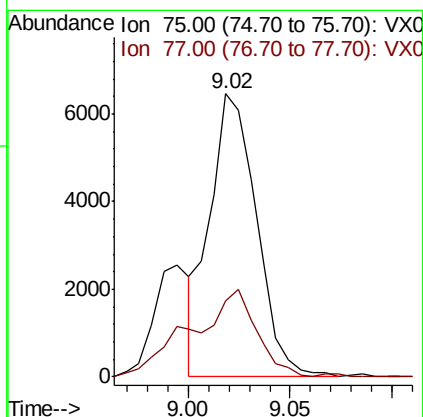
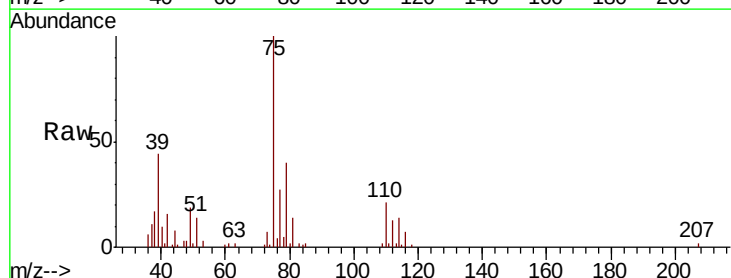
Acq: 04 Nov 2020 14:39

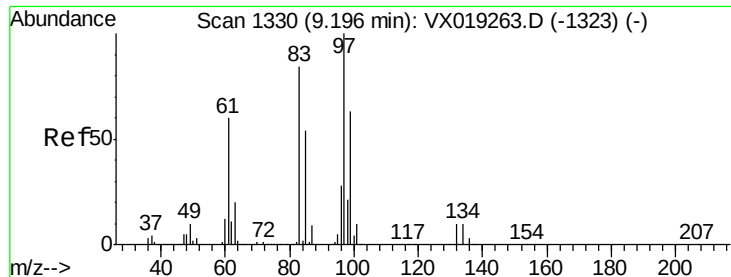
Tgt Ion: 75 Resp: 10255

Ion Ratio Lower Upper

75 100

77 27.0 21.8 40.6

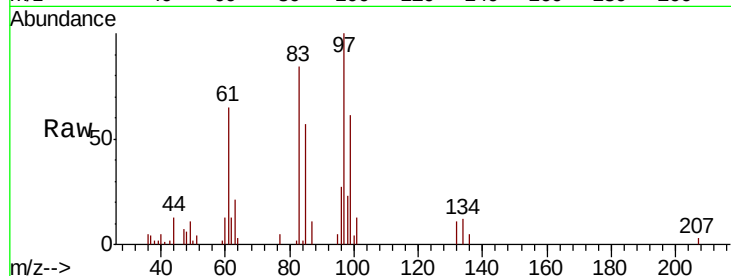




#45
1,1,2-Trichloroethane
Concen: 2.516 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

Tot Ion:	97	Resp:	6336
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.3	80.3
83	83.6	59.4	110.4
85	56.5	38.7	71.9



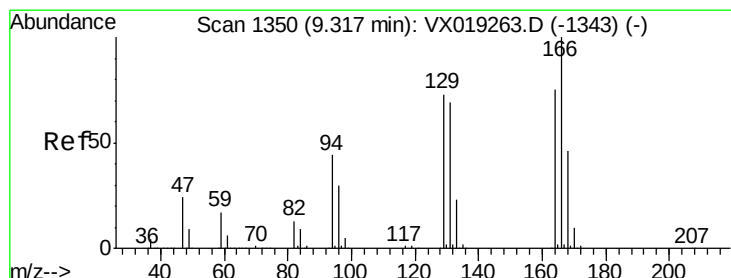
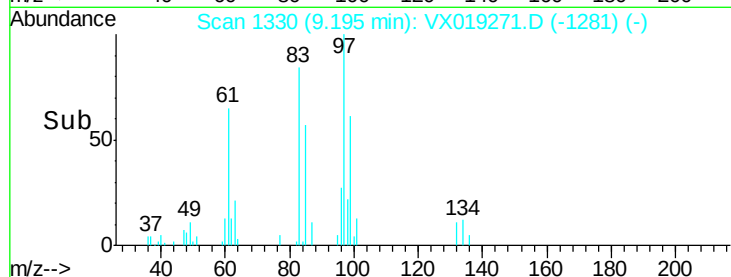
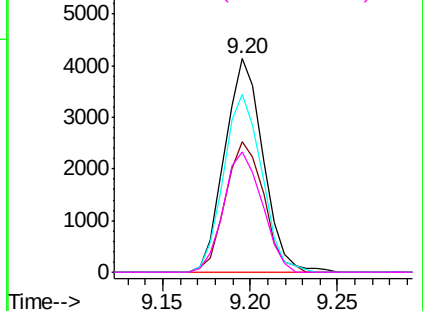
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

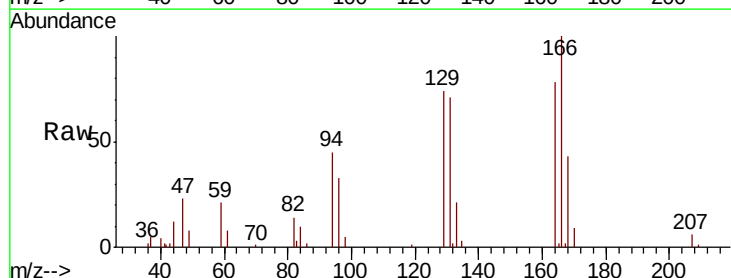
Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46
Tetrachloroethene
Concen: 2.463 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion:	164	Resp:	5235
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.2	121.2
131	91.1	62.5	116.1
166	128.6	90.2	167.6



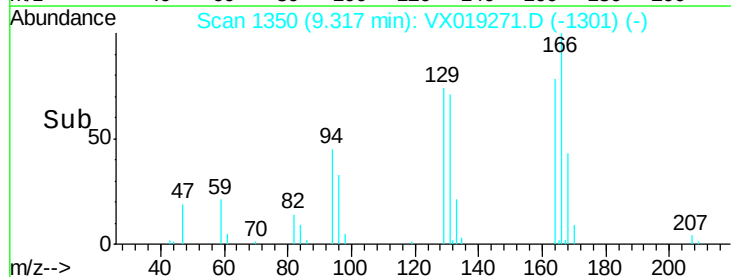
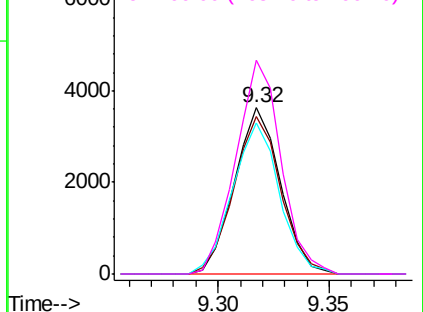
Abundance

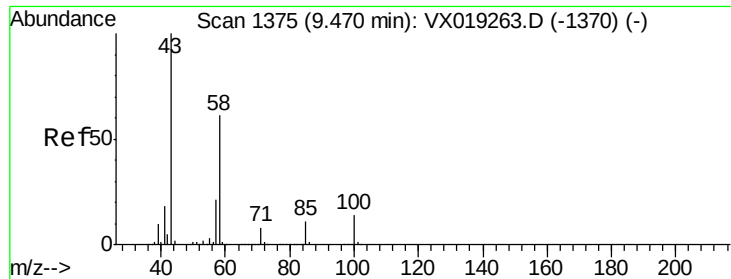
Ion 164.00 (163.70 to 164.70): V

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

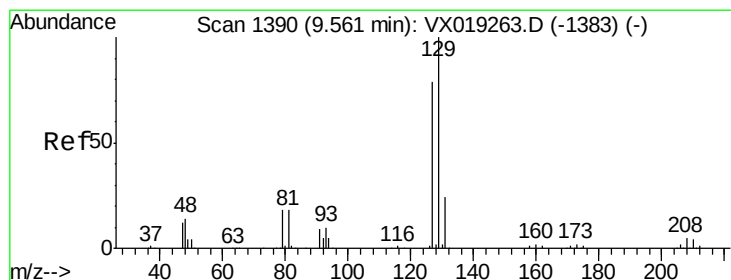
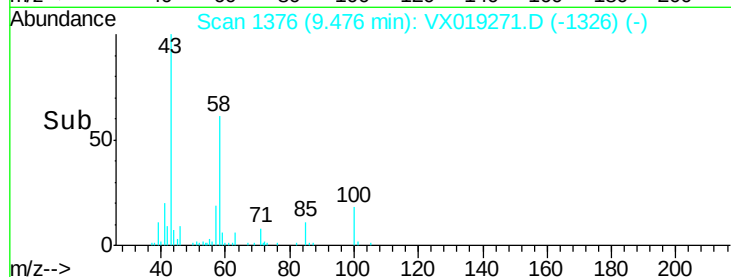
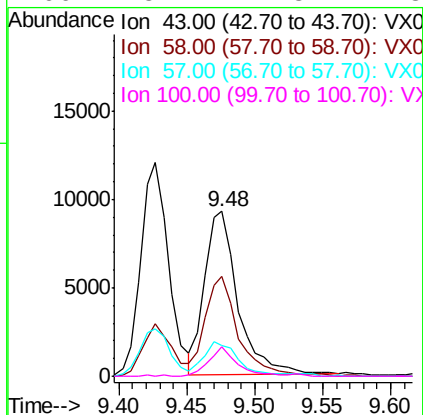
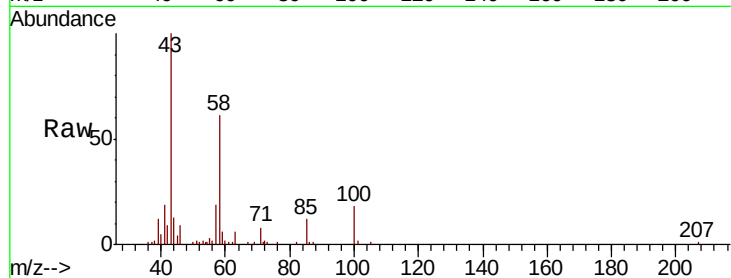




#48
2-Hexanone
Concen: 6.376 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

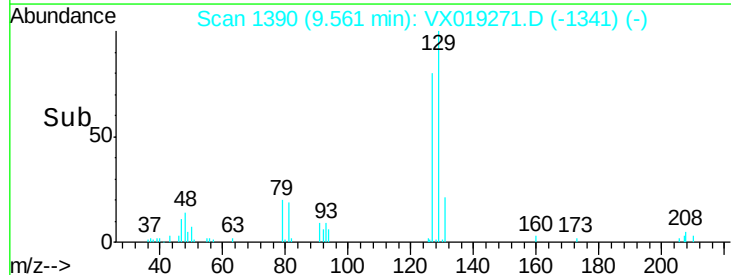
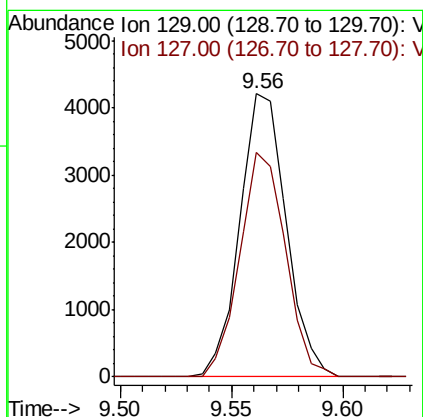
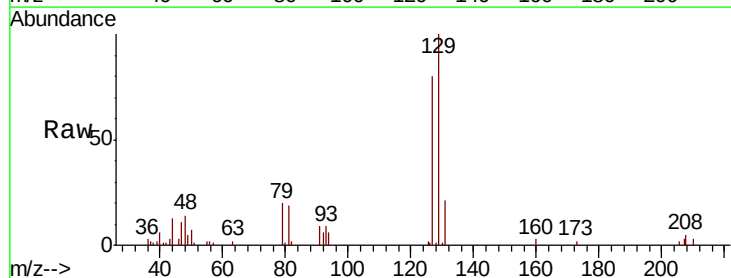
Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

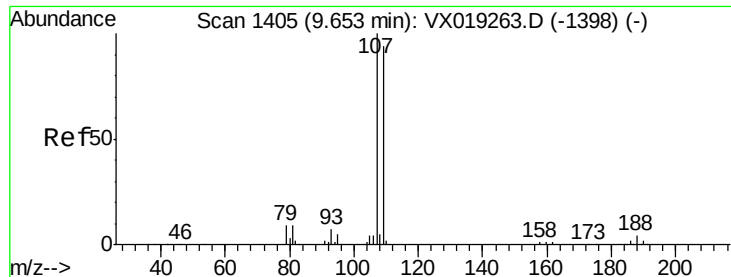
Tot Ion: 43 Resp: 15753
Ion Ratio Lower Upper
43 100
58 59.8 48.2 72.2
57 19.8 17.1 25.7
100 15.1 11.8 17.8



#49
Dibromochloromethane
Concen: 2.234 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion: 129 Resp: 6154
Ion Ratio Lower Upper
129 100
127 79.5 54.0 100.2

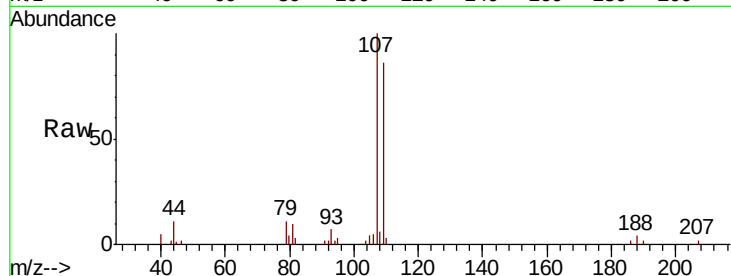




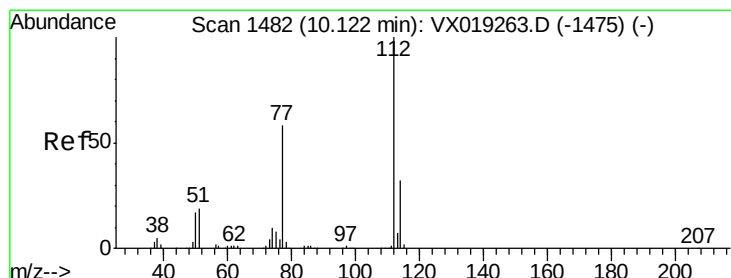
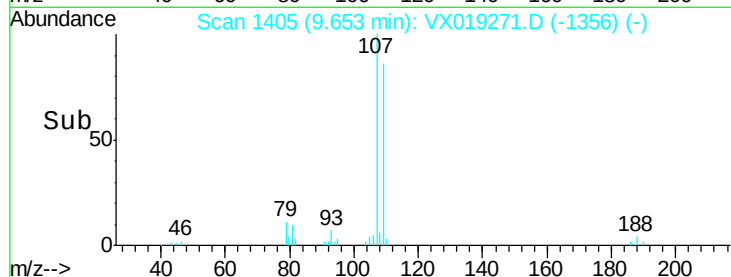
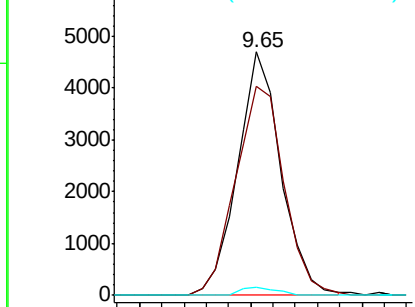
#50
1,2-Dibromoethane
Concen: 2.422 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

Tot Ion:107 Resp: 6380
Ion Ratio Lower Upper
107 100
109 86.0 68.1 126.5
188 3.5 3.0 4.4

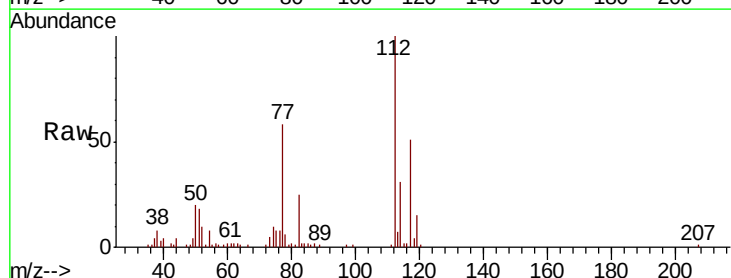


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

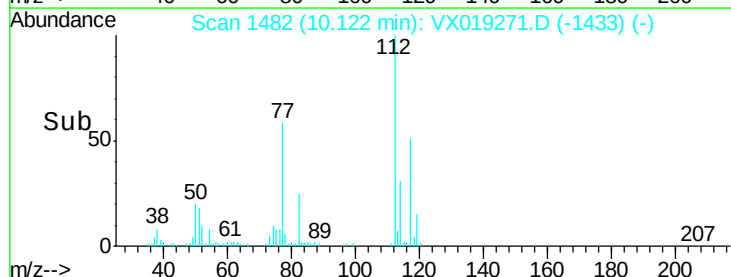
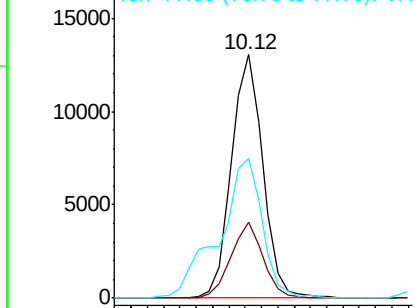


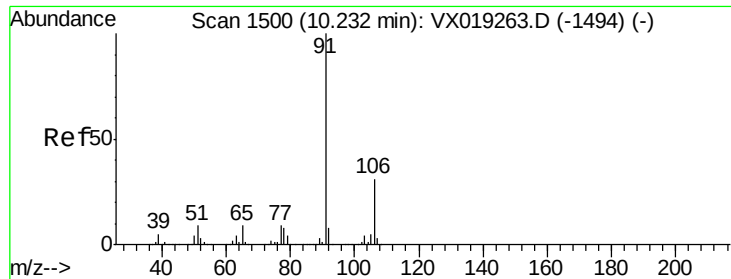
#51
Chlorobenzene
Concen: 2.512 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion:112 Resp: 17542
Ion Ratio Lower Upper
112 100
114 31.1 22.2 41.2
77 57.6 46.2 69.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 2.358 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

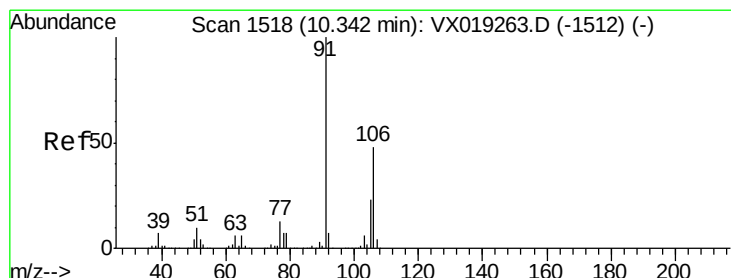
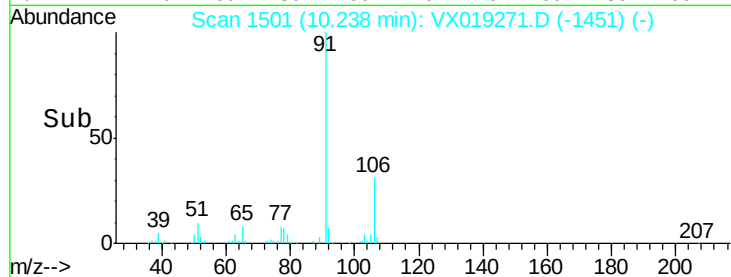
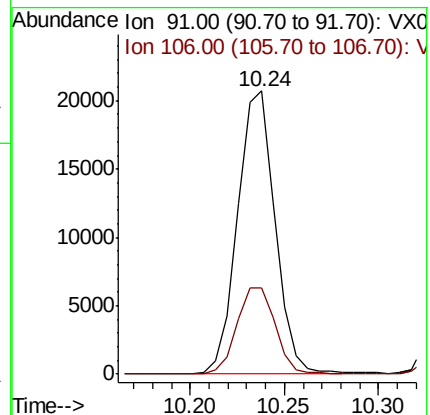
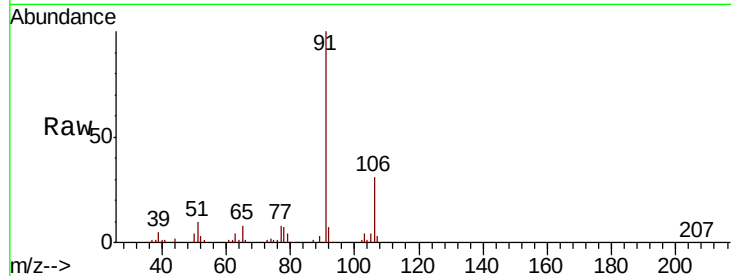
MDL-ME-SOIL-06

Tot Ion: 91 Resp: 28623

Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



#53

m,p-Xylene

Concen: 2.417 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019271.D

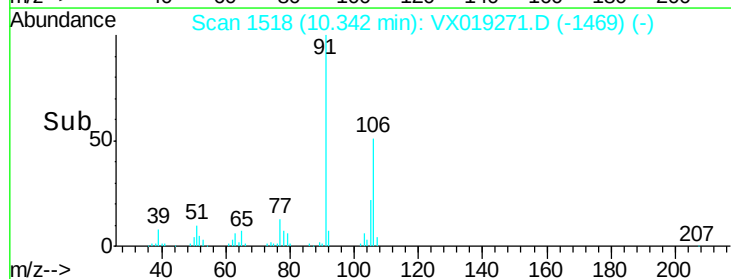
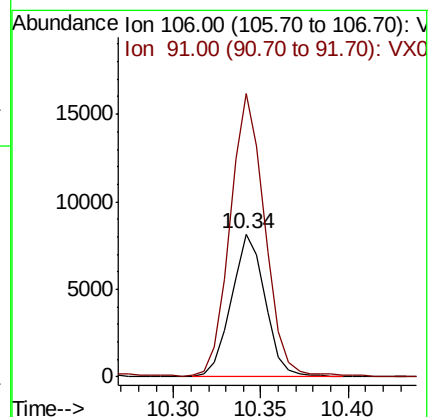
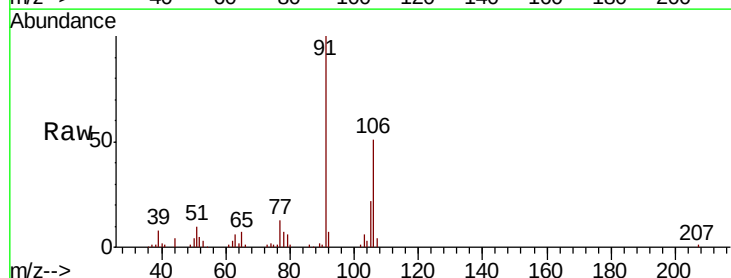
Acq: 04 Nov 2020 14:39

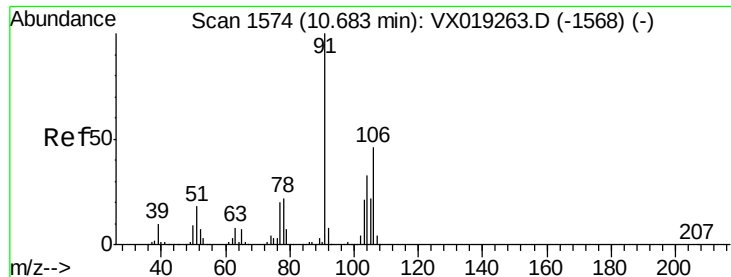
Tgt Ion: 106 Resp: 11020

Ion Ratio Lower Upper

106 100

91 197.9 144.2 267.8





#54

o-Xylene

Concen: 2.313 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampled :

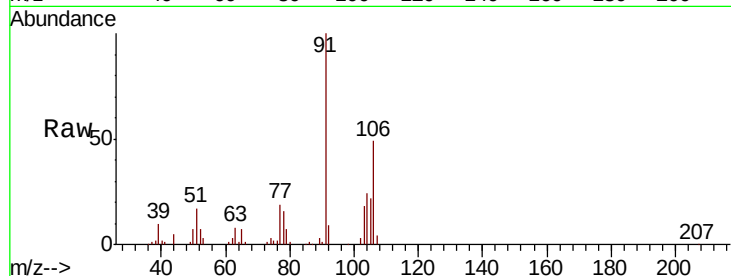
MDL-ME-SOIL-06

Tot Ion:106 Resp: 10213

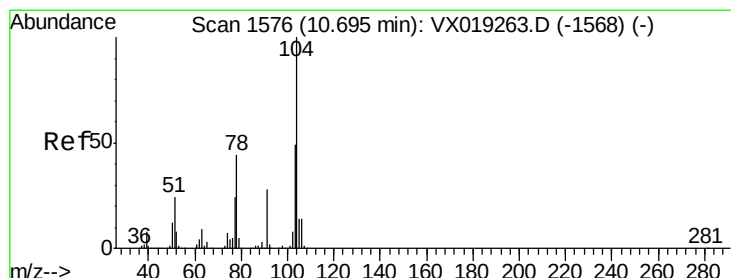
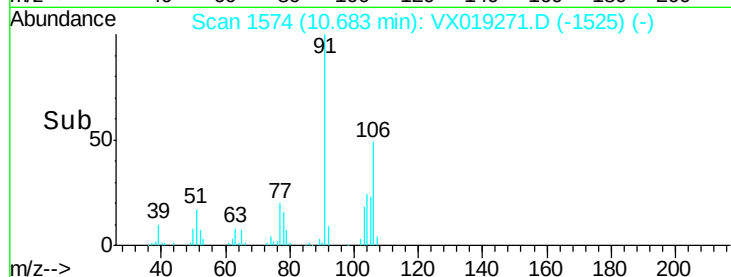
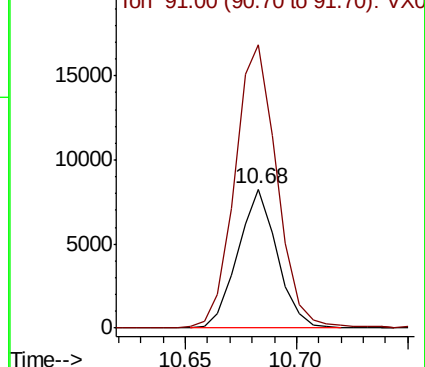
Ion Ratio Lower Upper

106 100

91 203.4 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 2.213 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019271.D

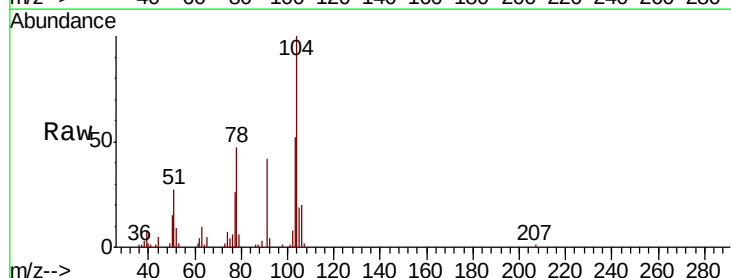
Acq: 04 Nov 2020 14:39

Tgt Ion:104 Resp: 16484

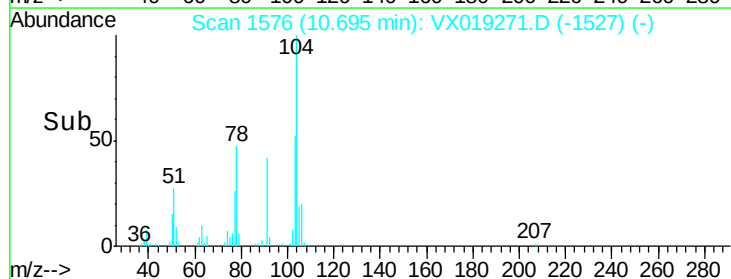
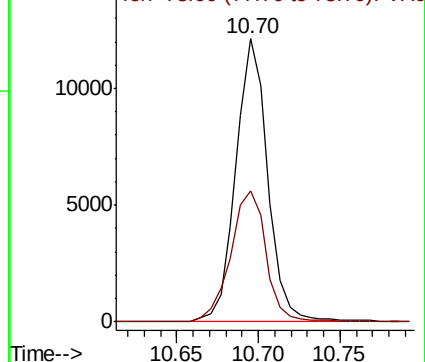
Ion Ratio Lower Upper

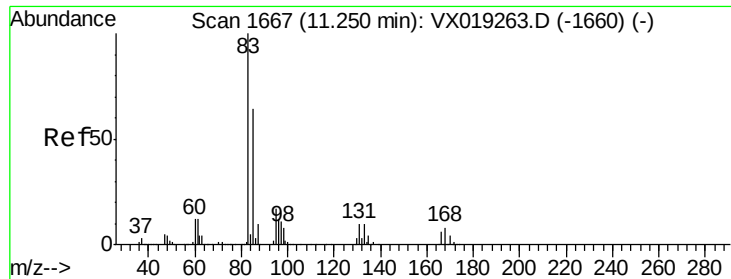
104 100

78 46.5 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V





#57

1,1,2,2-Tetrachloroethane

Concen: 3.022 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-06

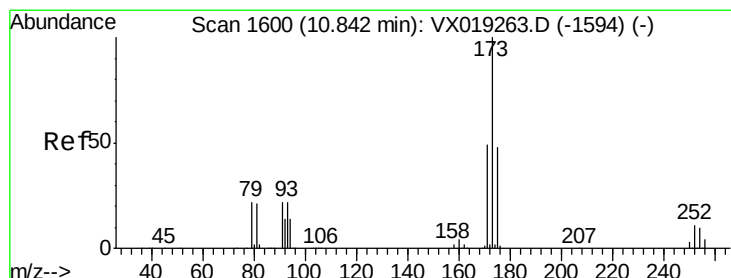
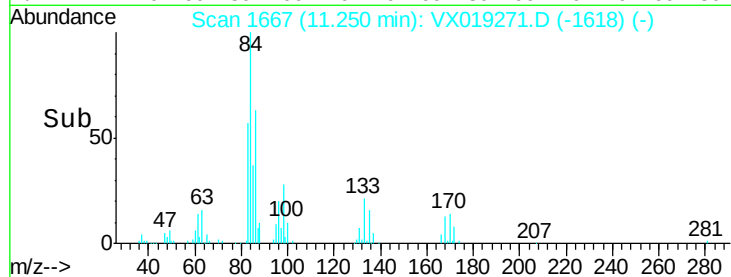
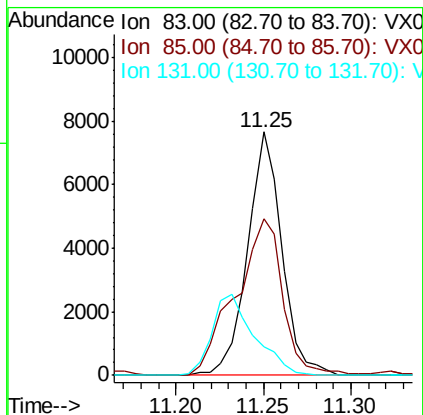
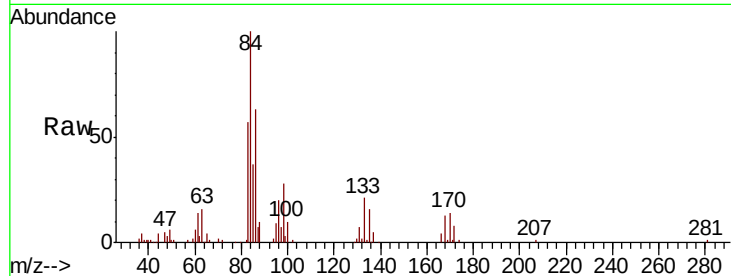
Tot Ion: 83 Resp: 10433

Ion Ratio Lower Upper

83 100

85 64.3 45.9 85.3

131 11.9 7.7 11.5#



#59

Bromoform

Concen: 2.075 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

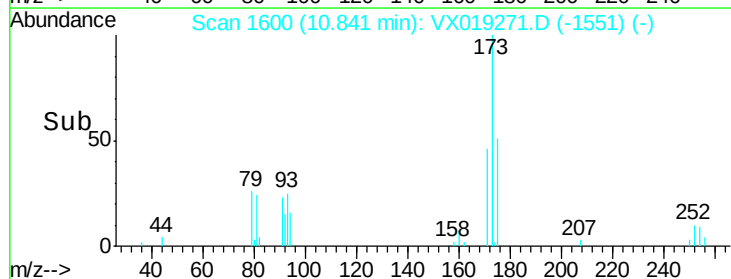
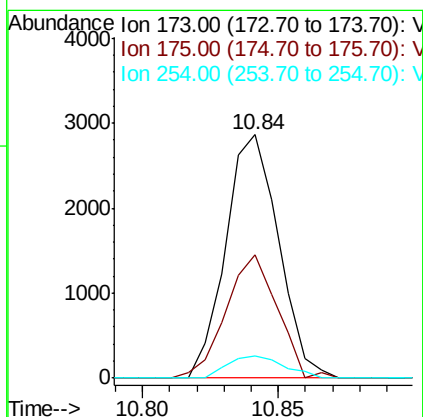
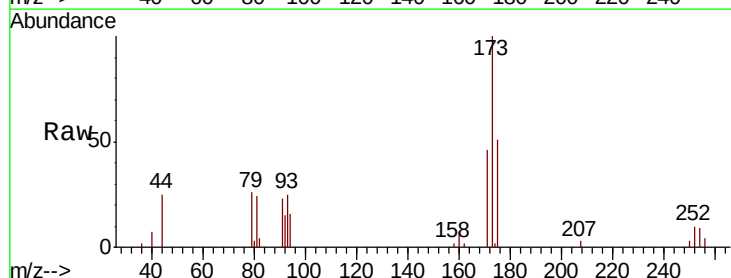
Tgt Ion: 173 Resp: 3861

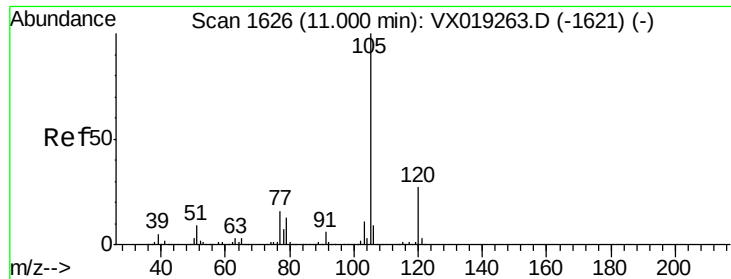
Ion Ratio Lower Upper

173 100

175 48.5 39.7 59.5

254 9.5 8.2 12.4





#60

Isopropylbenzene

Concen: 2.307 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

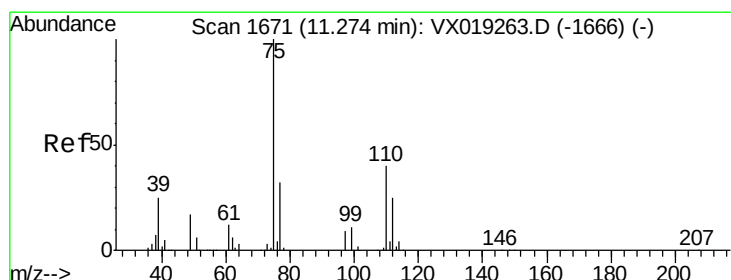
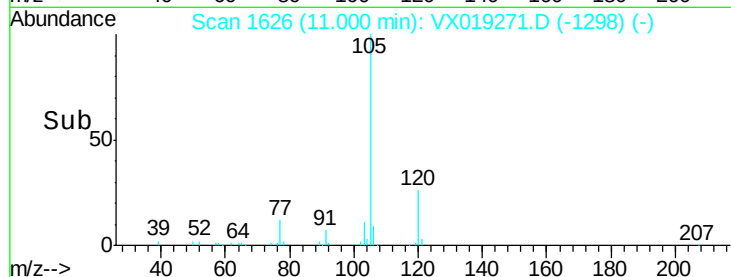
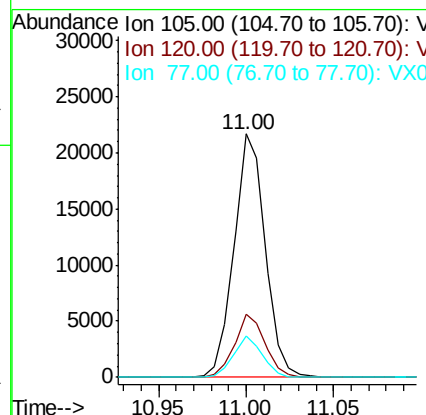
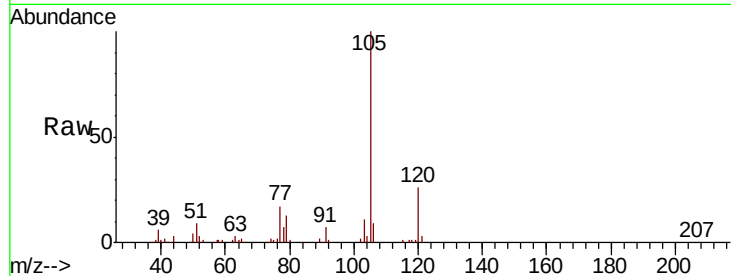
Instrument :

MSVOA_X

ClientSampleId :

MDL-ME-SOIL-06

Tot Ion:	105	Resp:	26897
Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.1	31.7
77	15.9	12.6	19.0



#61

1,2,3-Trichloropropane

Concen: 2.803 ug/L

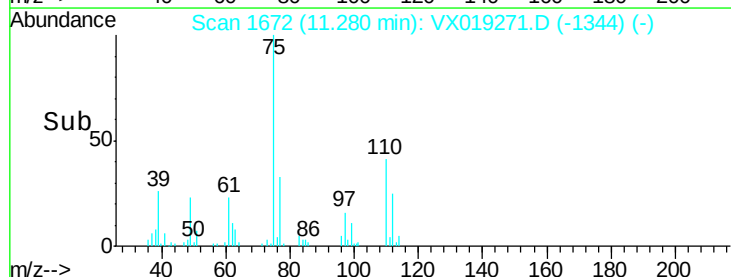
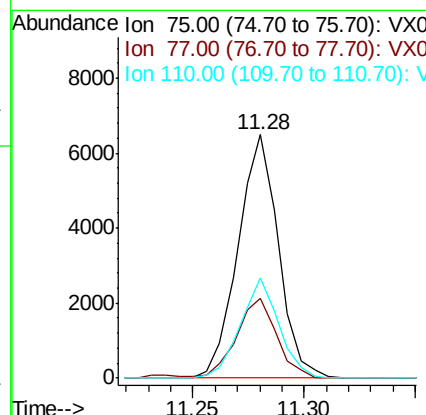
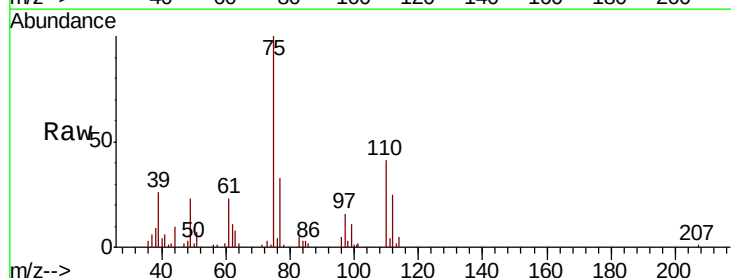
RT: 11.28 min Scan# 1672

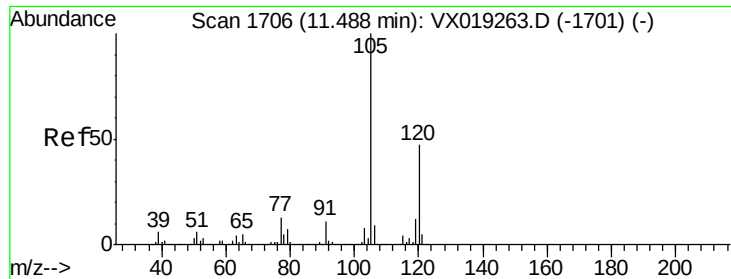
Delta R.T. -0.00 min

Lab File: VX019271.D

Acq: 04 Nov 2020 14:39

Tgt Ion:	75	Resp:	8201
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0
110	39.3	32.2	48.2

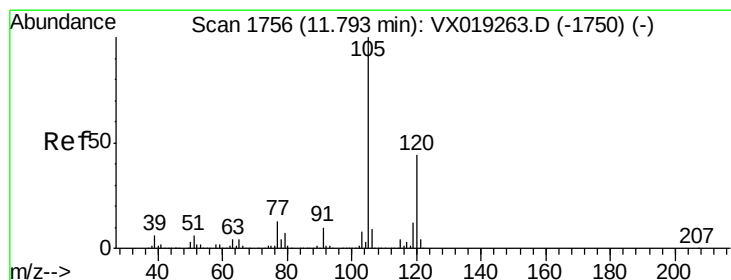
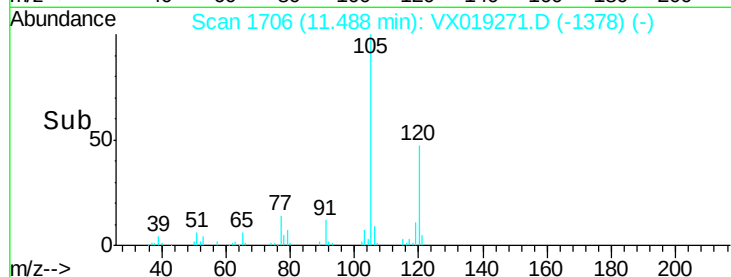
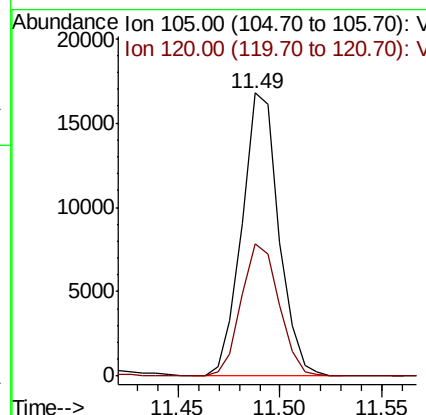
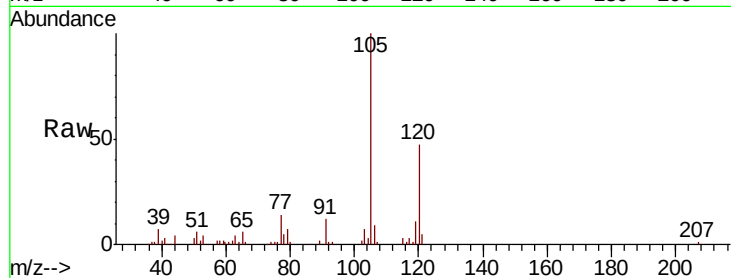




#62
 1,3,5-Trimethylbenzene
 Concen: 2.200 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

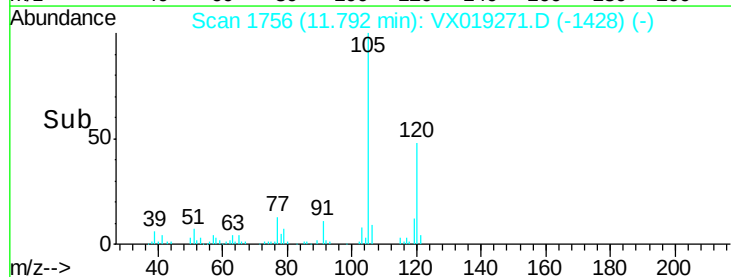
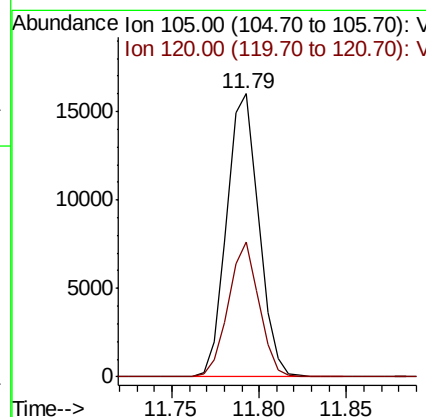
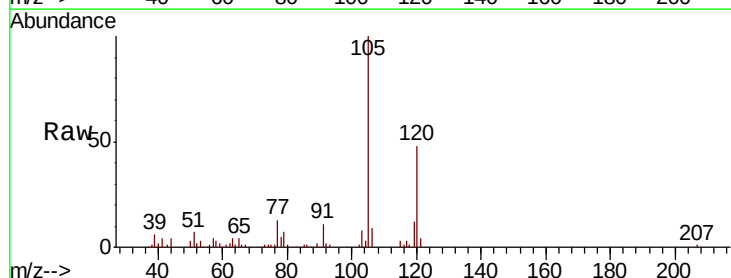
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-06

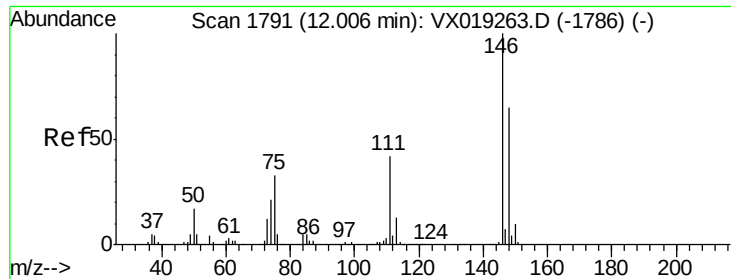
Tot Ion:105 Resp: 21097
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 2.264 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Tgt Ion:105 Resp: 20544
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.0 54.0

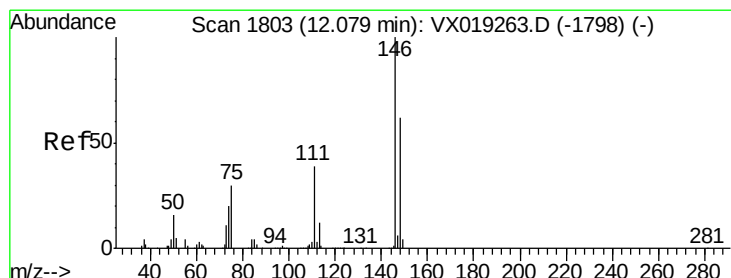
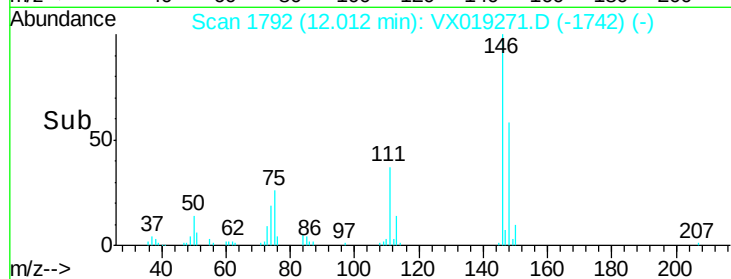
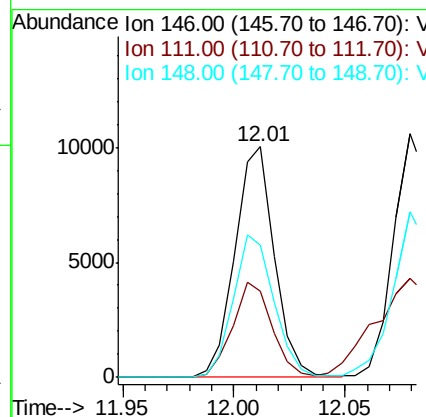
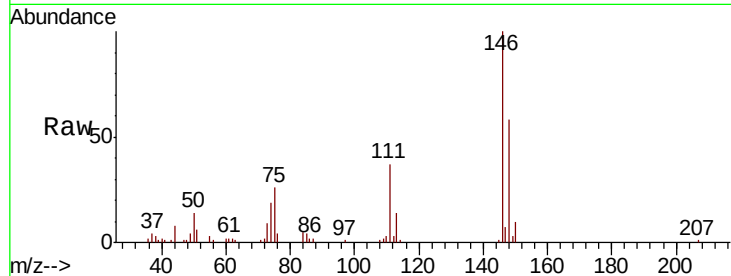




#64
 1,3-Dichlorobenzene
 Concen: 2.473 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

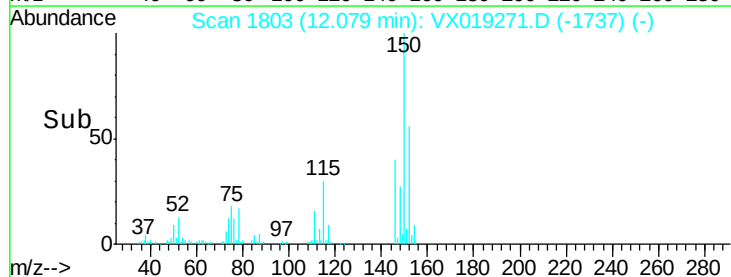
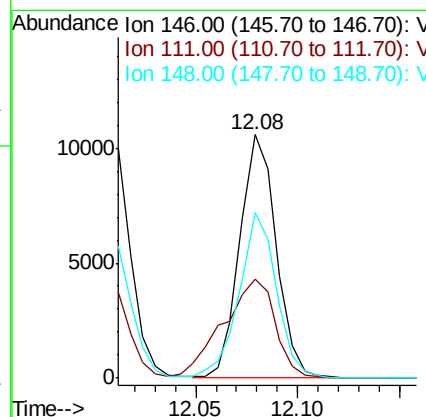
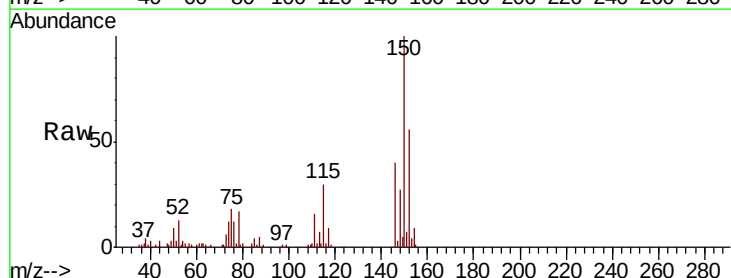
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-06

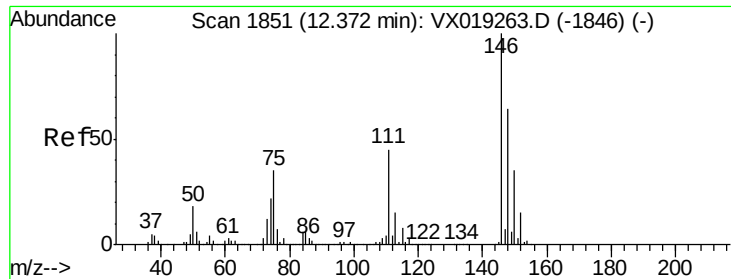
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	29.7	55.1
148	57.6	44.5	82.7



#65
 1,4-Dichlorobenzene
 Concen: 2.573 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.1	52.3
148	68.2	43.8	81.4

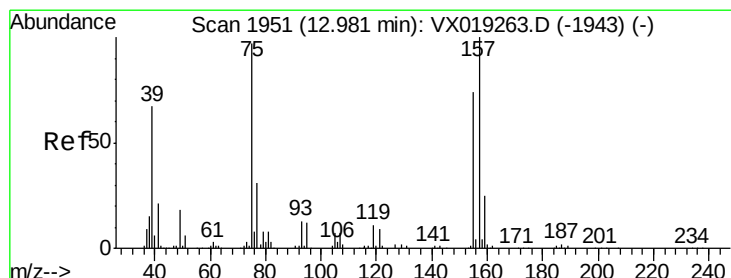
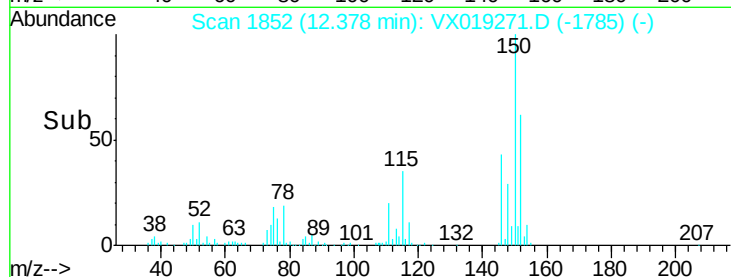
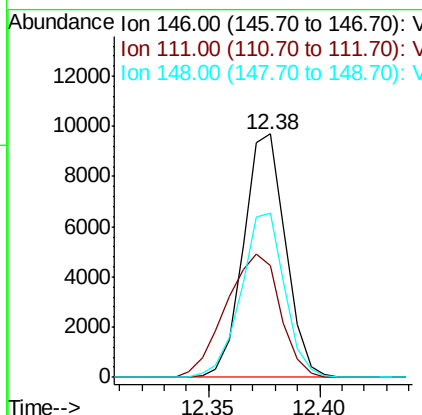
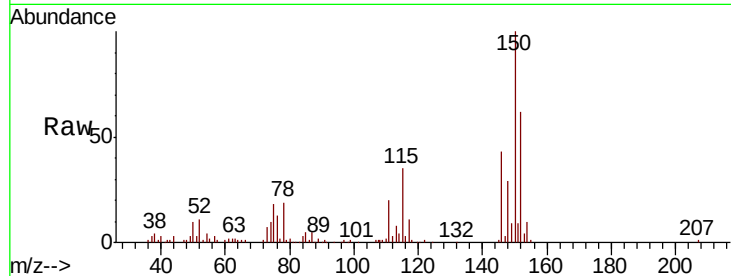




#67
 1,2-Dichlorobenzene
 Concen: 2.618 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

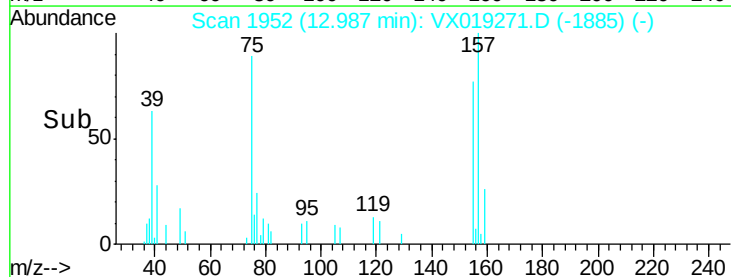
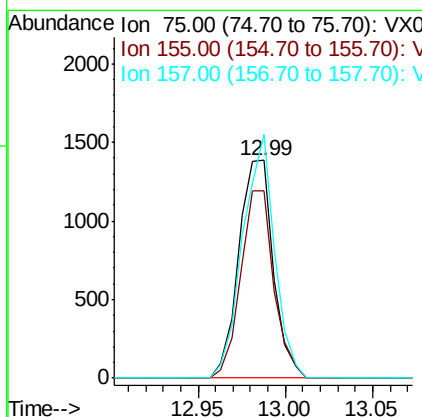
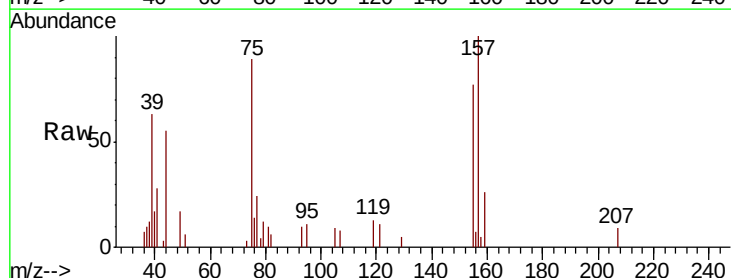
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-06

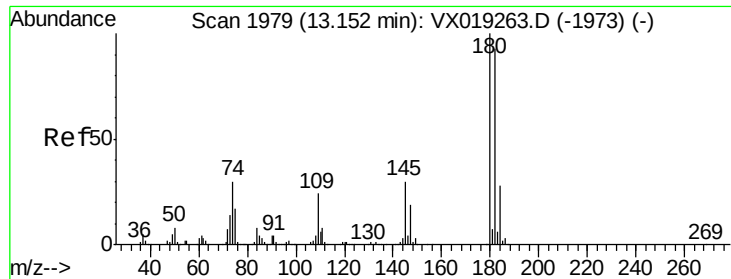
Tot Ion:146 Resp: 12762
 Ion Ratio Lower Upper
 146 100
 111 45.7 35.9 53.9
 148 67.6 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.382 ug/L
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Tgt Ion: 75 Resp: 1898
 Ion Ratio Lower Upper
 75 100
 155 86.1 65.8 98.8
 157 111.8 82.6 123.8

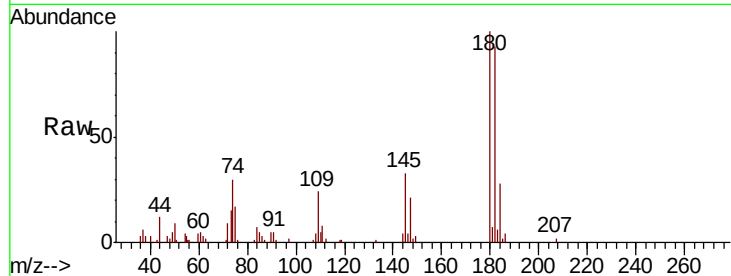




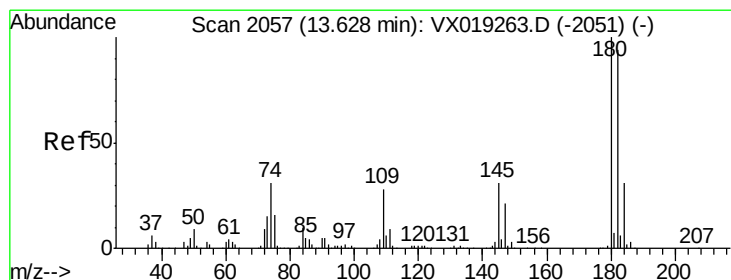
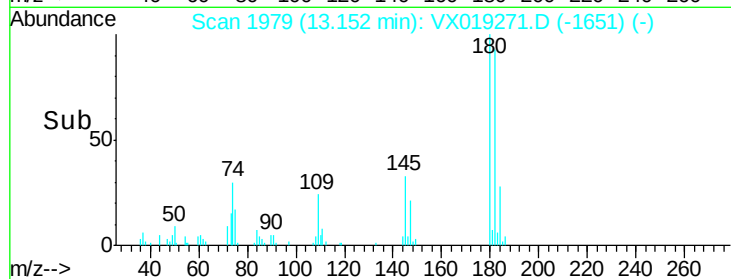
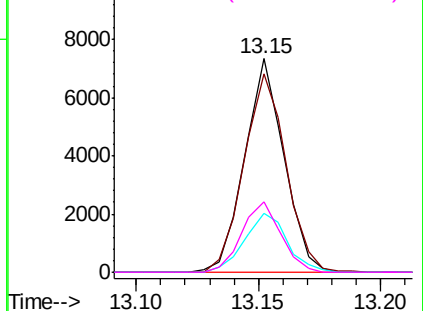
#69
 1,3,5-Trichlorobenzene
 Concen: 2.331 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-ME-SOIL-06

Tot Ion:180	Resp:	8218
Ion Ratio	Lower	Upper
180 100		
182 99.4	78.8	118.2
184 30.0	25.2	37.8
145 32.5	25.8	38.6

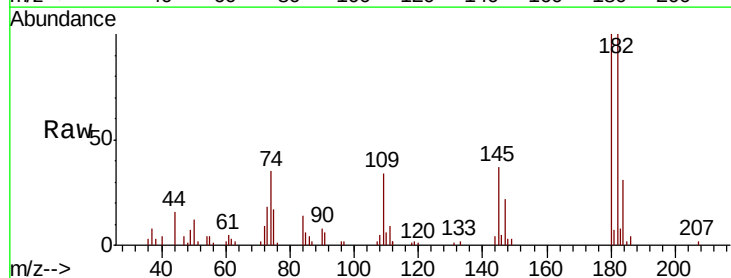


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

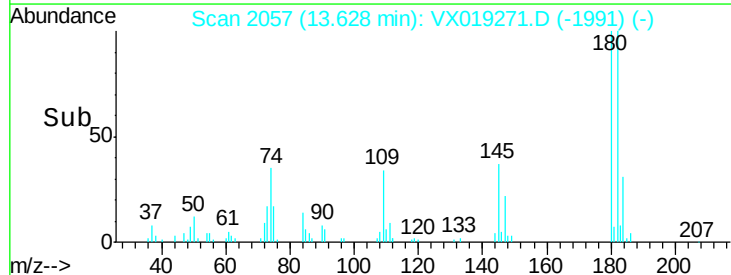
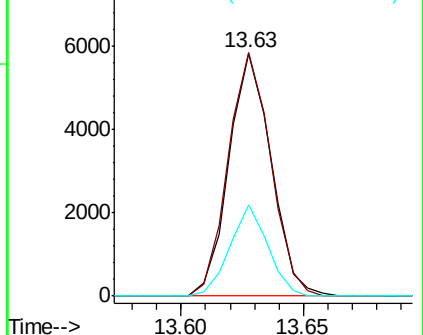


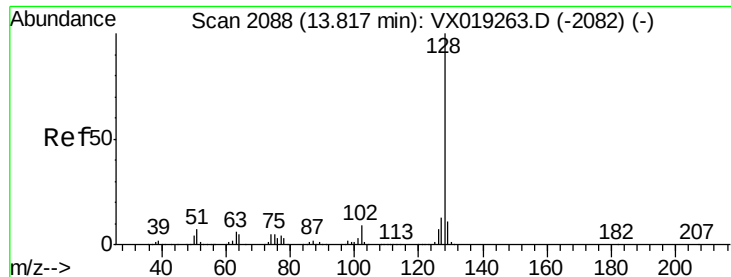
#70
 1,2,4-trichlorobenzene
 Concen: 2.161 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019271.D
 Acq: 04 Nov 2020 14:39

Tgt Ion:180	Resp: 7021
Ion Ratio	Lower Upper
180 100	
182 100.6	74.6 111.8
145 33.5	25.4 38.0



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

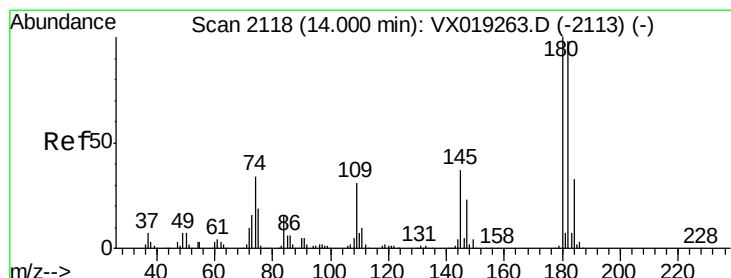
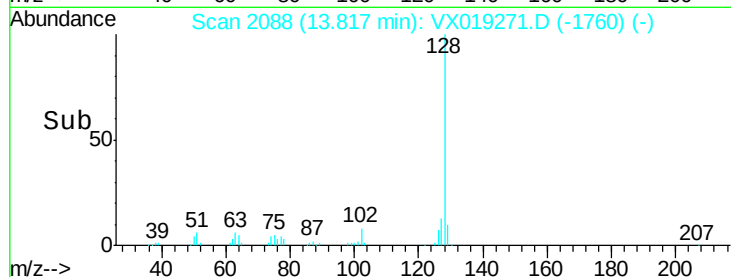
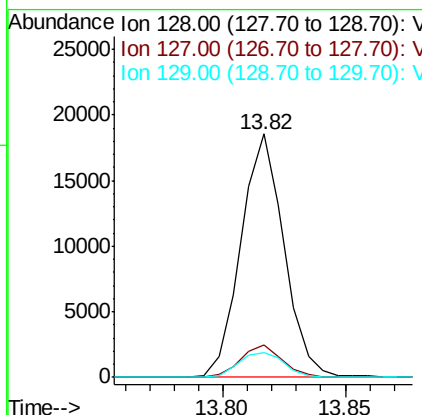
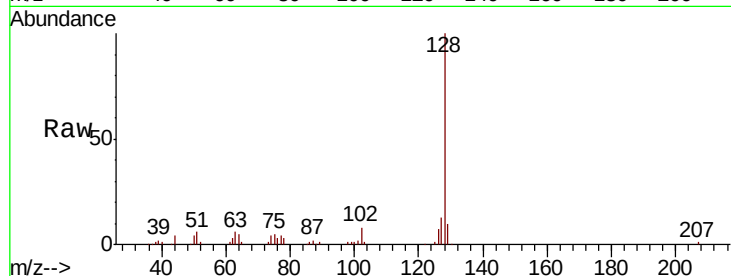




#71
Naphthalene
Concen: 2.155 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Instrument :
MSVOA_X
ClientSampleId :
MDL-ME-SOIL-06

Tot Ion:128 Resp: 22639
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.1 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 2.372 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019271.D
Acq: 04 Nov 2020 14:39

Tgt Ion:180 Resp: 7542
Ion Ratio Lower Upper
180 100
182 92.1 75.3 112.9
145 33.6 27.1 40.7

