

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\
 Data File : VY003472.D
 Acq On : 02 Nov 2020 15:04
 Operator : SY/MD
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Quant Time: Nov 03 02:38:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 03 02:36:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	229927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	336115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	297477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	149125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	125390	53.19	ug/l	0.00
Spiked Amount						
			Recovery	=	106.38%	
35) Dibromofluoromethane	7.73	113	104604	51.14	ug/l	0.00
Spiked Amount						
			Recovery	=	102.28%	
50) Toluene-d8	10.18	98	440172	51.73	ug/l	0.00
Spiked Amount						
			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.48	95	141550	50.21	ug/l	0.00
Spiked Amount						
			Recovery	=	100.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	9044	4.971	ug/l	96
3) Chloromethane	2.12	50	11941	4.986	ug/l	99
4) Vinyl Chloride	2.26	62	13005	4.838	ug/l	95
5) Bromomethane	2.66	94	10490	4.670	ug/l	97
6) Chloroethane	2.80	64	7328	4.573	ug/l #	88
7) Trichlorofluoromethane	3.13	101	16787	4.919	ug/l	97
8) Diethyl Ether	3.54	74	4930	4.711	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	8584	4.551	ug/l	95
10) Methyl Iodide	4.11	142	7626	4.900	ug/l	99
11) Tert butyl alcohol	4.97	59	9265	34.814	ug/l #	83
12) 1,1-Dichloroethene	3.88	96	8996	4.794	ug/l	94
13) Acrolein	3.74	56	5154	26.347	ug/l	94
14) Allyl chloride	4.49	41	15593	4.555	ug/l	99
15) Acrylonitrile	5.18	53	12719	22.771	ug/l	100
16) Acetone	3.96	43	15399	19.803	ug/l	96
17) Carbon Disulfide	4.21	76	28359	4.665	ug/l	99
18) Methyl Acetate	4.49	43	7315	4.978	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	20172	4.340	ug/l #	89
20) Methylene Chloride	4.73	84	14821	6.768	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	10091	4.644	ug/l	88
22) Diisopropyl ether	6.14	45	25542	4.254	ug/l	90
23) Vinyl Acetate	6.08	43	93090	20.630	ug/l	99
24) 1,1-Dichloroethane	6.04	63	17337	4.544	ug/l	98
25) 2-Butanone	7.00	43	20622	21.204	ug/l	97
26) 2,2-Dichloropropane	6.99	77	16851	4.740	ug/l	95
27) cis-1,2-Dichloroethene	7.00	96	10623	4.512	ug/l	96
28) Bromochloromethane	7.35	49	8563	4.461	ug/l	98
29) Tetrahydrofuran	7.36	42	11348	22.330	ug/l	97
30) Chloroform	7.52	83	17121	4.568	ug/l	95
31) Cyclohexane	7.80	56	18609	5.267	ug/l #	68
32) 1,1,1-Trichloroethane	7.72	97	15984	4.572	ug/l	98
36) 1,1-Dichloropropene	7.93	75	14508	4.578	ug/l	98
37) Ethyl Acetate	7.08	43	9205	4.678	ug/l	99
38) Carbon Tetrachloride	7.91	117	13684	4.162	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	15637	4.431	ug/l	97
40) Benzene	8.17	78	39549	4.484	ug/l	100
41) Methacrylonitrile	7.36	41	11177	10.636	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	12035	4.355	ug/l	99
43) Isopropyl Acetate	8.28	43	15559	4.399	ug/l	99
44) Trichloroethene	8.95	130	11390	4.600	ug/l	93
45) 1,2-Dichloropropane	9.22	63	9570	4.297	ug/l	98
46) Dibromomethane	9.31	93	5202	4.246	ug/l	97
47) Bromodichloromethane	9.50	83	12990	4.331	ug/l	97
48) Methyl methacrylate	9.30	41	6712	4.029	ug/l	95
49) 1,4-Dioxane	9.30	88	1322	86.470	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	39638	21.036	ug/l	99
52) Toluene	10.25	92	24099	4.369	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	13108	4.107	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	15634	4.353	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	7459	4.288	ug/l	94
56) Ethyl methacrylate	10.51	69	9432	4.049	ug/l	95
57) 1,3-Dichloropropane	10.79	76	13560	4.483	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	24147	20.445	ug/l	99
59) 2-Hexanone	10.83	43	26895	19.278	ug/l	99
60) Dibromochloromethane	10.99	129	9155	4.282	ug/l	100
61) 1,2-Dibromoethane	11.09	107	7433	4.427	ug/l	95
64) Tetrachloroethene	10.72	164	10204	4.593	ug/l	98
65) Chlorobenzene	11.52	112	26029	4.504	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	9740	4.469	ug/l	98
67) Ethyl Benzene	11.60	91	45373	4.330	ug/l	97
68) m/p-Xylenes	11.70	106	33931	8.544	ug/l	100
69) o-Xylene	12.03	106	15345	4.201	ug/l	99
70) Styrene	12.05	104	25257	4.072	ug/l	97
71) Bromoform	12.20	173	5955	4.099	ug/l #	99
73) Isopropylbenzene	12.33	105	42425	4.355	ug/l	99
74) N-amyl acetate	12.14	43	11057	4.007	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	9250	4.446	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	13139	8.327	ug/l #	100
77) Bromobenzene	12.61	156	11071	4.473	ug/l	98
78) n-propylbenzene	12.67	91	51483	4.487	ug/l	100
79) 2-Chlorotoluene	12.75	91	28831	4.497	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	34882	4.322	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3366	4.453	ug/l	96
82) 4-Chlorotoluene	12.85	91	29944	4.470	ug/l	97
83) tert-Butylbenzene	13.08	119	32114	4.486	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	33762	4.185	ug/l	100
85) sec-Butylbenzene	13.25	105	42219	4.356	ug/l	98
86) p-Isopropyltoluene	13.37	119	37425	4.163	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	20658	4.481	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	21190	4.622	ug/l	95
89) n-Butylbenzene	13.70	91	36207	4.410	ug/l	99
90) Hexachloroethane	13.95	117	6685	4.419	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	18156	4.433	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1826	4.848	ug/l	89

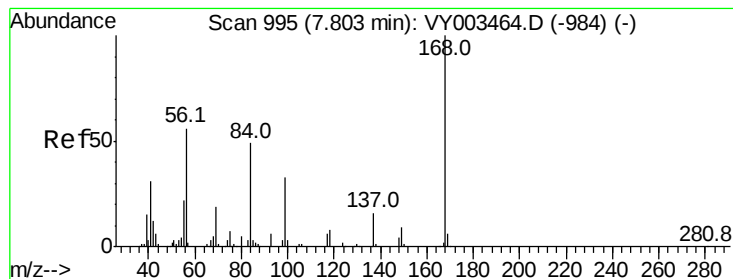
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	13014	4.492	ug/l	96
94) Hexachlorobutadiene	15.11	225	8115	4.354	ug/l	95
95) Naphthalene	15.23	128	24114	4.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	11257	4.320	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

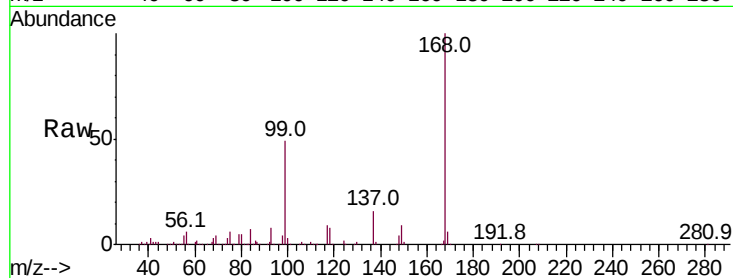
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:168 Resp: 229927

Ion Ratio Lower Upper

168 100

99 49.3 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)

7.80

100000

80000

60000

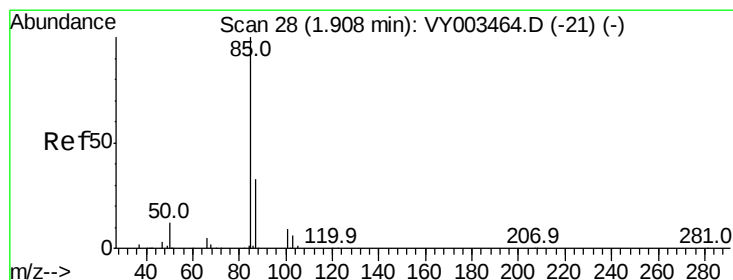
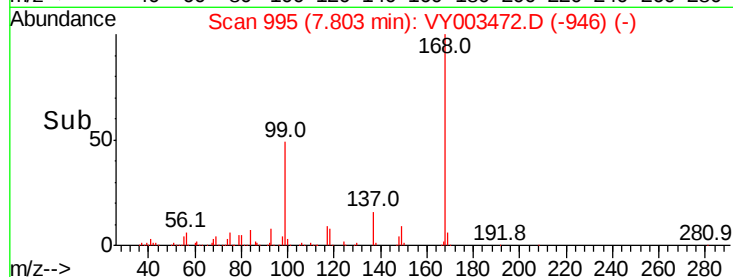
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.971 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY003472.D

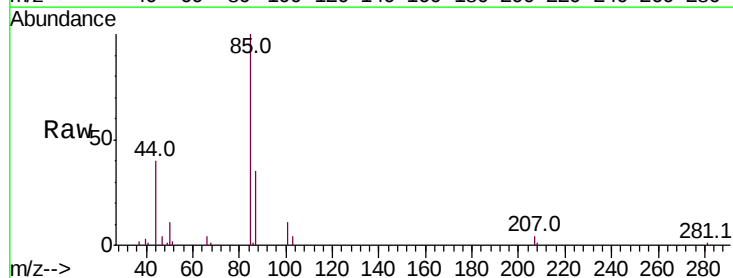
Acq: 02 Nov 2020 15:04

Tgt Ion: 85 Resp: 9044

Ion Ratio Lower Upper

85 100

87 35.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003464.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003464.D (-21) (-)

1.91

6000

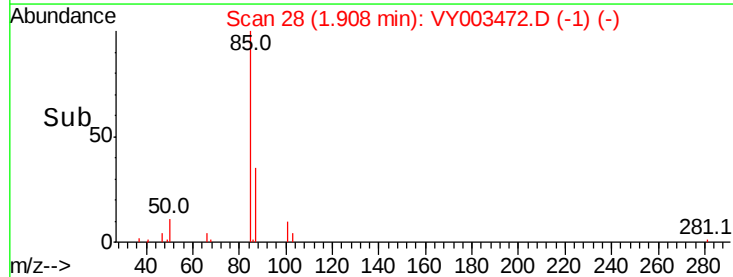
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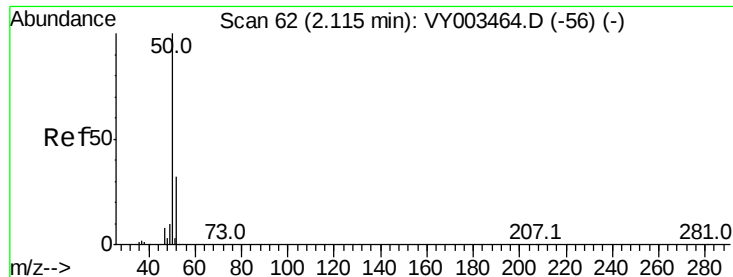
2000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 4.986 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

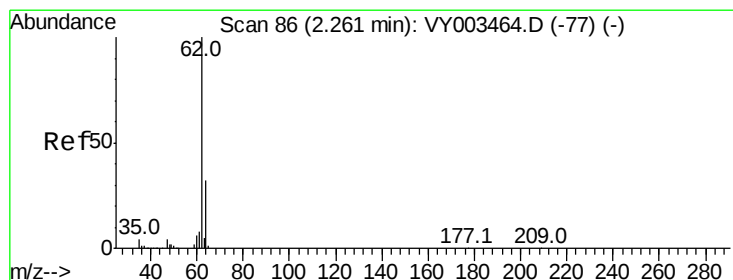
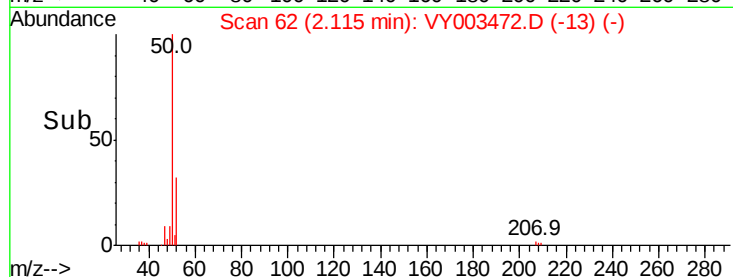
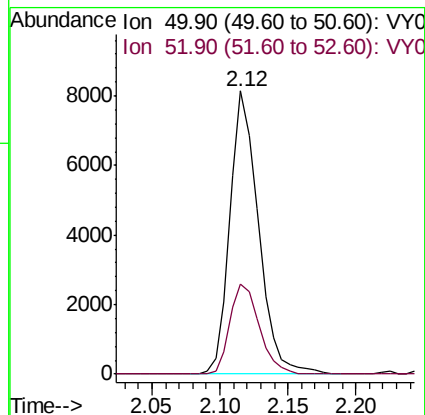
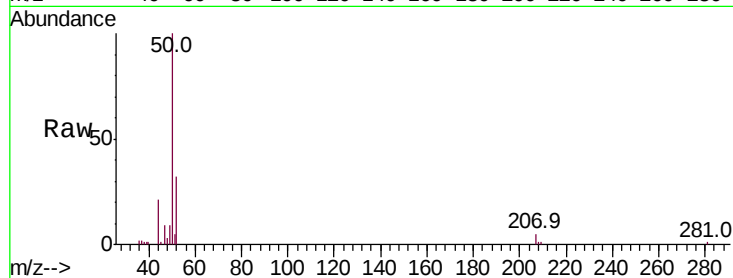
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 50 Resp: 11941

Ion Ratio Lower Upper

50 100

52 31.6 25.6 38.4



#4

Vinyl Chloride

Concen: 4.838 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003472.D

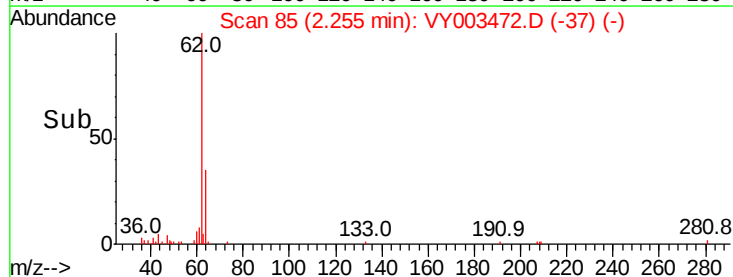
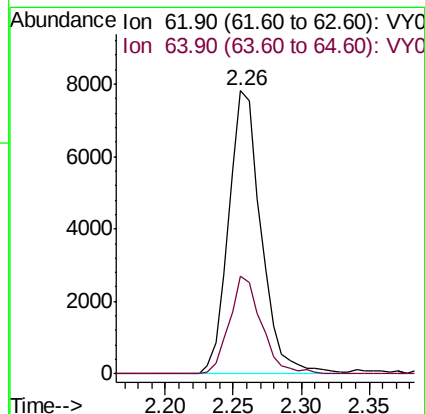
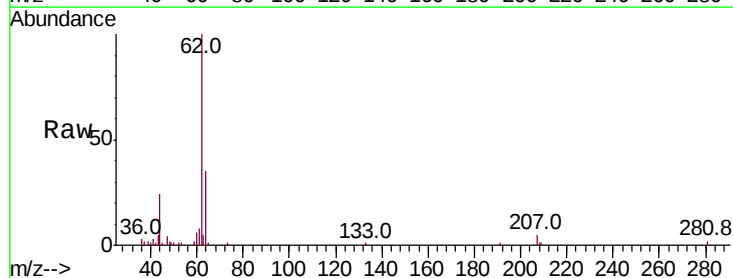
Acq: 02 Nov 2020 15:04

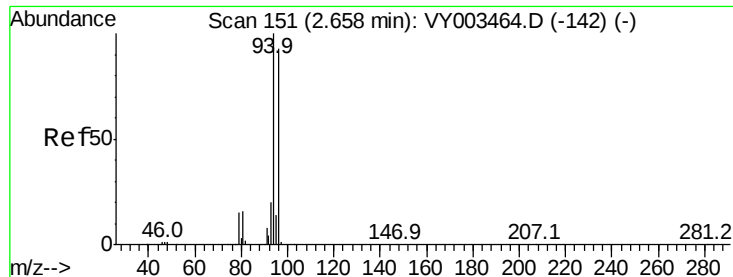
Tgt Ion: 62 Resp: 13005

Ion Ratio Lower Upper

62 100

64 34.7 25.5 38.3





#5

Bromomethane

Concen: 4.670 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

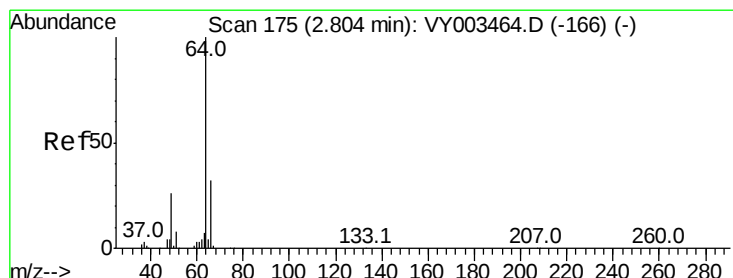
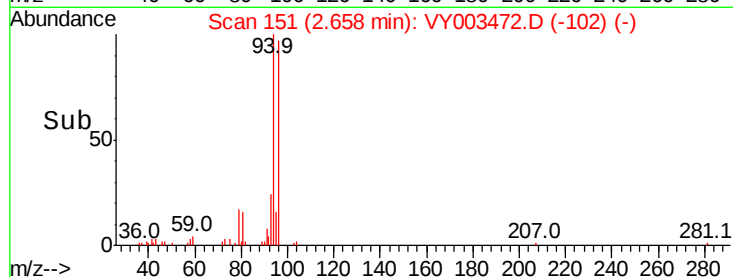
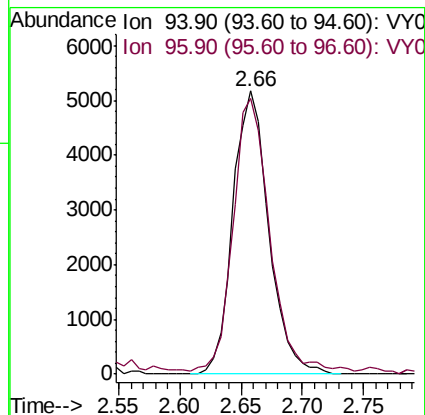
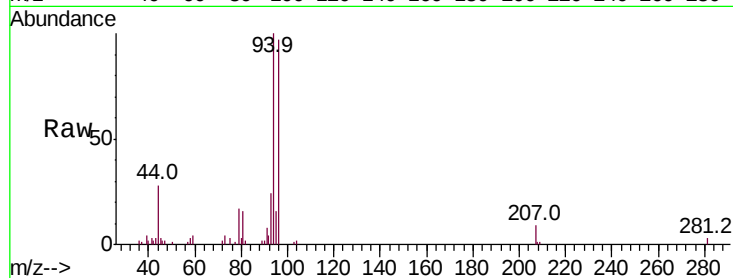
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 94 Resp: 10490

Ion Ratio Lower Upper

94 100

96 96.2 74.6 112.0



#6

Chloroethane

Concen: 4.573 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003472.D

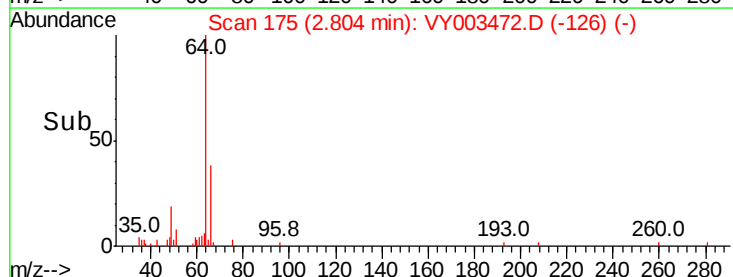
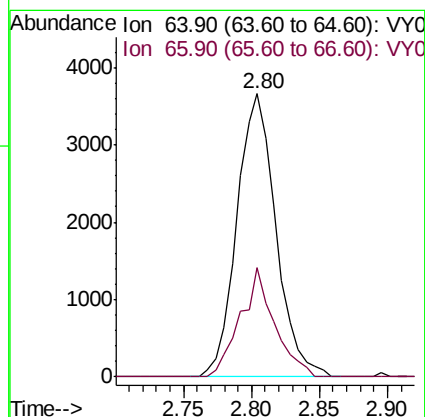
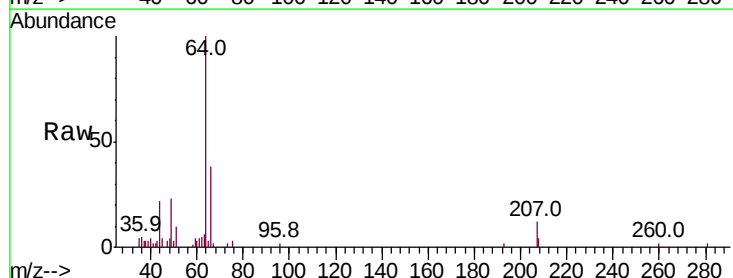
Acq: 02 Nov 2020 15:04

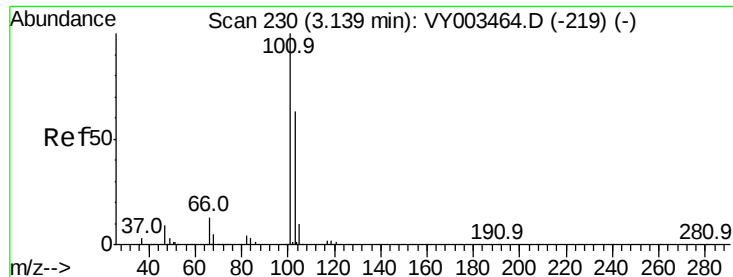
Tgt Ion: 64 Resp: 7328

Ion Ratio Lower Upper

64 100

66 38.5 25.6 38.4#



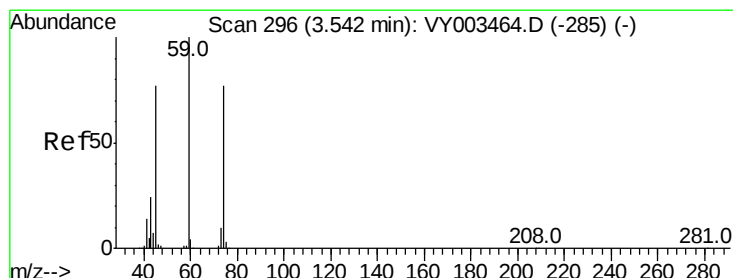
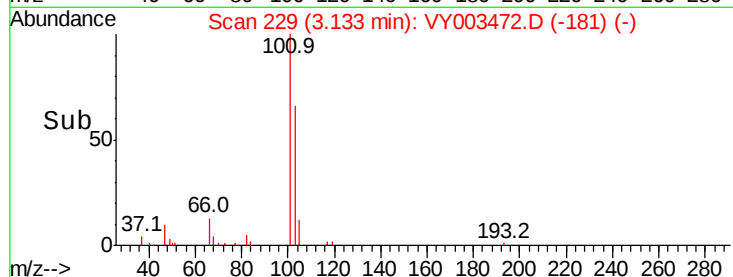
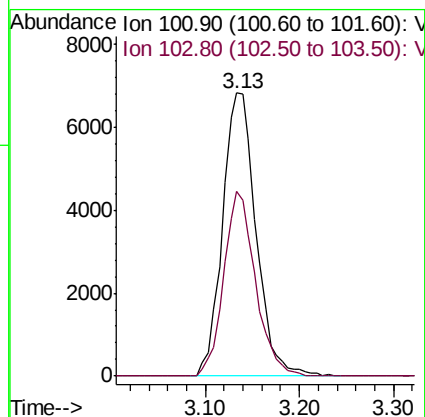
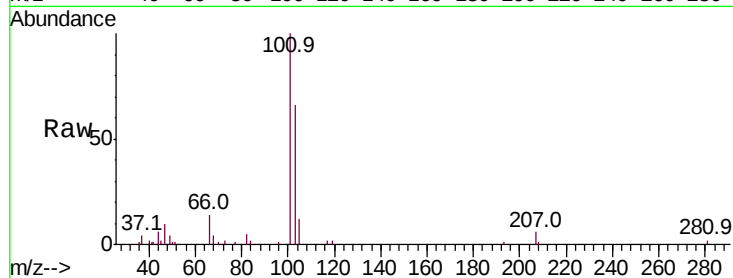


#7

Trichlorofluoromethane
 Concen: 4.919 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Instrument :
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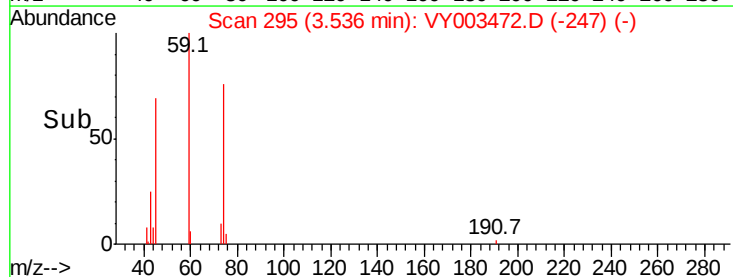
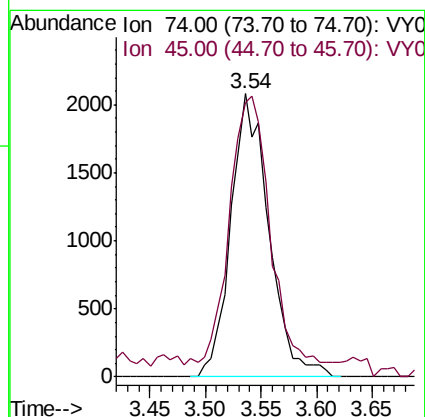
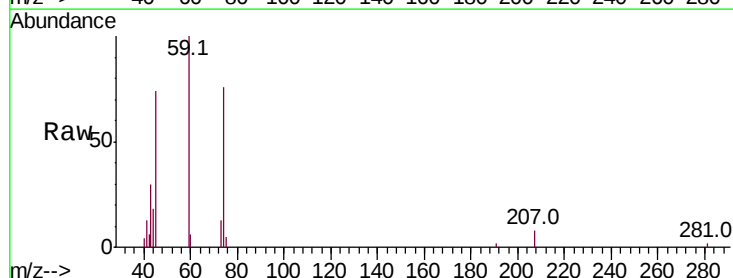
Tot Ion:101 Resp: 16787
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.7 76.1

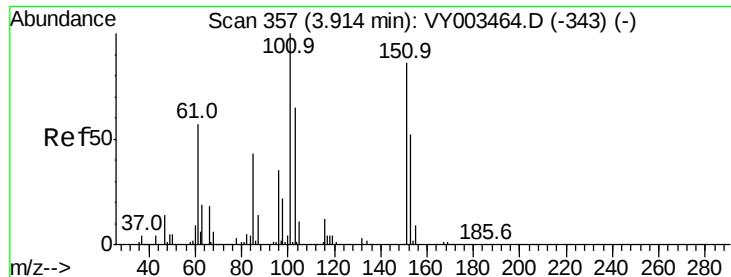


#8

Diethyl Ether
 Concen: 4.711 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion: 74 Resp: 4930
 Ion Ratio Lower Upper
 74 100
 45 97.8 50.7 152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.551 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

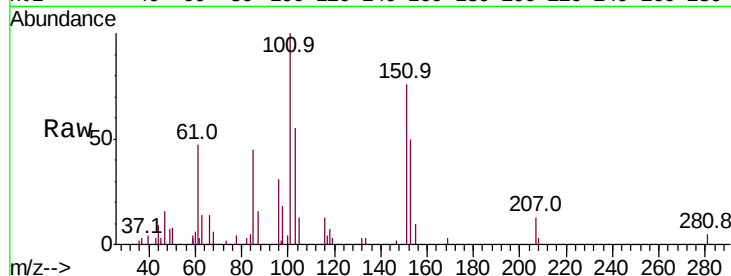
Tot Ion:101 Resp: 8584

Ion Ratio Lower Upper

101 100

85 49.3 35.8 53.8

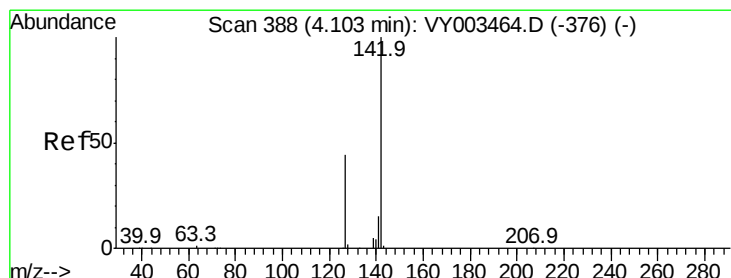
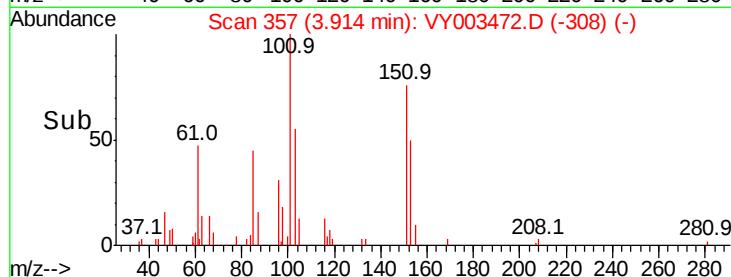
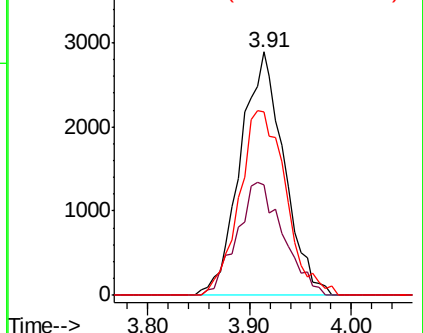
151 80.9 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.900 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

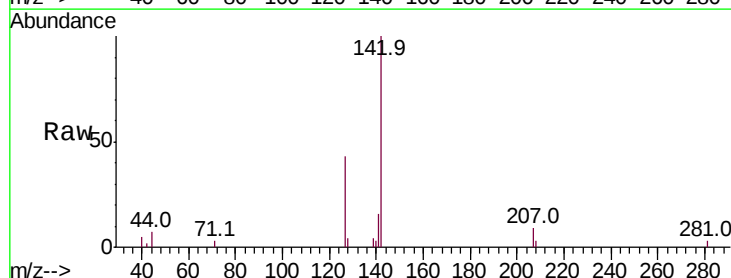
Tgt Ion:142 Resp: 7626

Ion Ratio Lower Upper

142 100

127 42.4 34.5 51.7

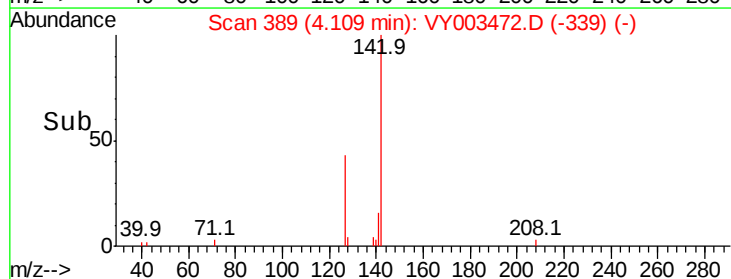
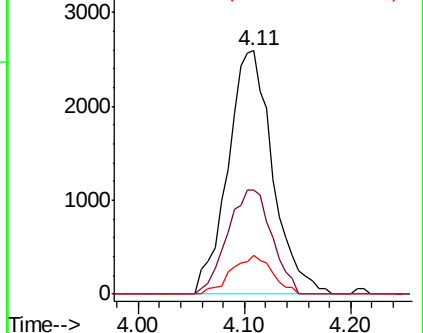
141 14.5 11.8 17.8

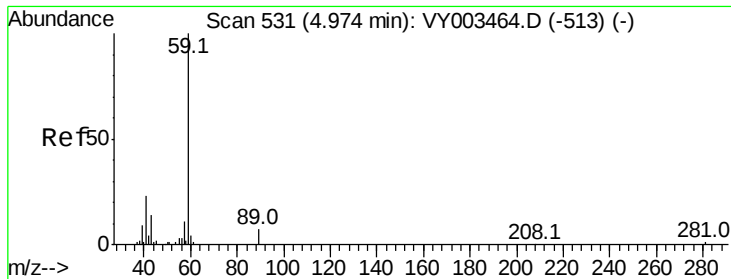


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



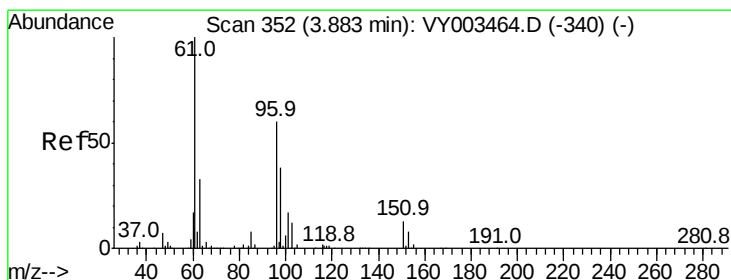
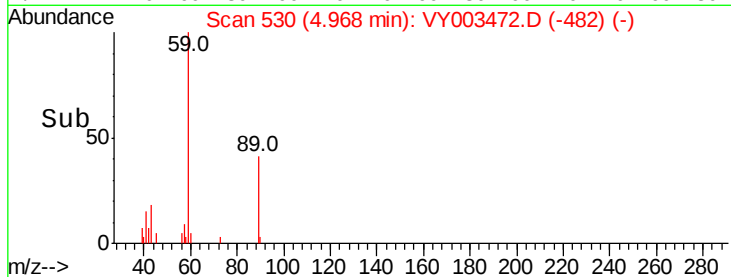
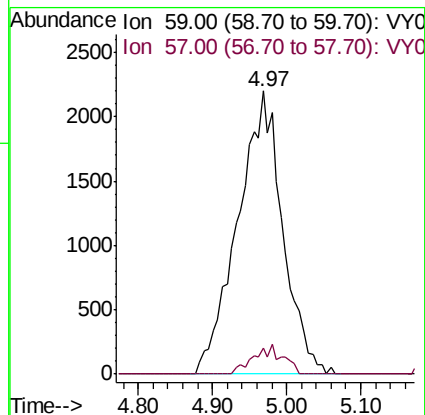
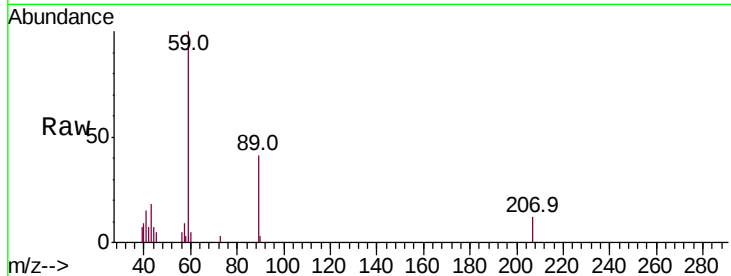


#11

Tert butyl alcohol
 Concen: 34.814 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

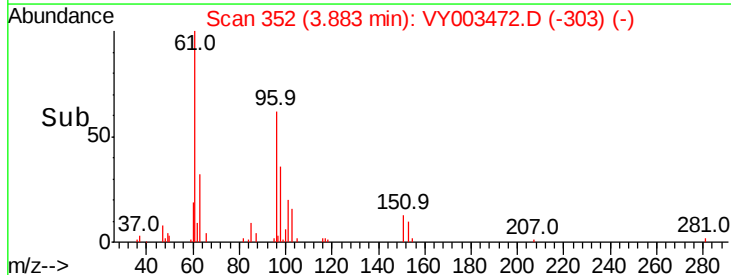
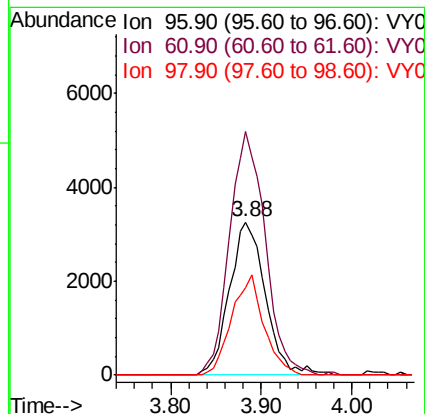
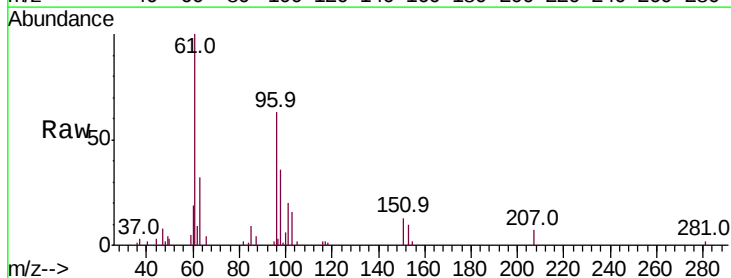
Tot Ion: 59 Resp: 9265
 Ion Ratio Lower Upper
 59 100
 57 3.6 7.9 11.9#

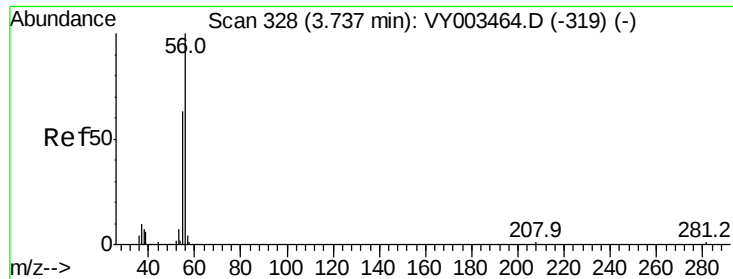


#12

1,1-Dichloroethene
 Concen: 4.794 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion: 96 Resp: 8996
 Ion Ratio Lower Upper
 96 100
 61 158.9 133.6 200.4
 98 57.2 50.2 75.2





#13

Acrolein

Concen: 26.347 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

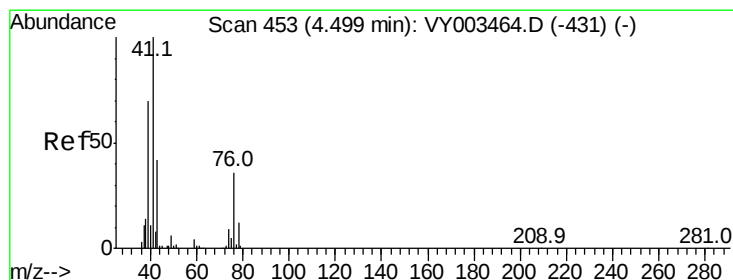
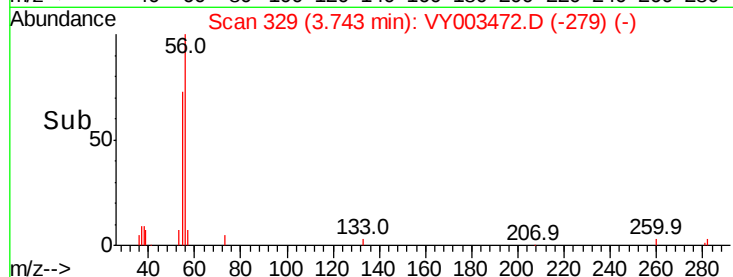
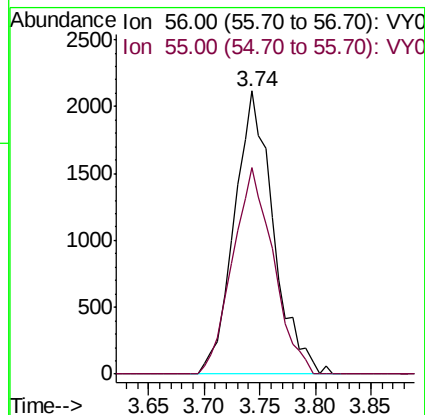
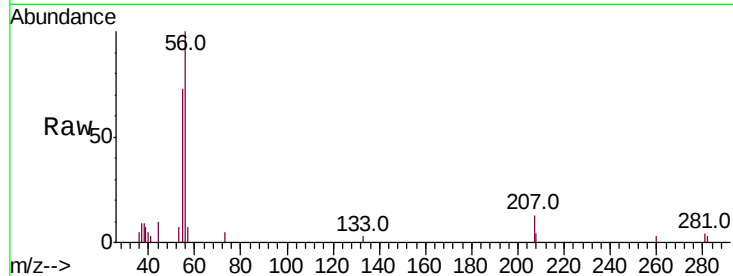
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 56 Resp: 5154

Ion Ratio Lower Upper

56 100

55 76.1 56.6 85.0



#14

Allyl chloride

Concen: 4.555 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

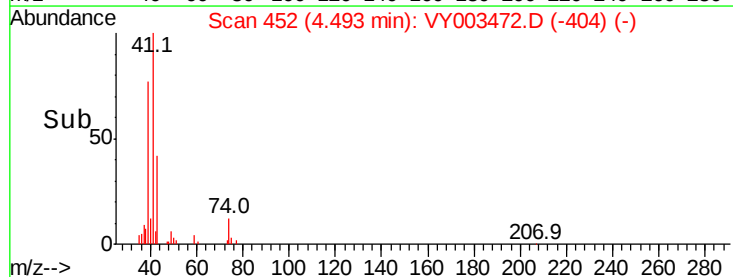
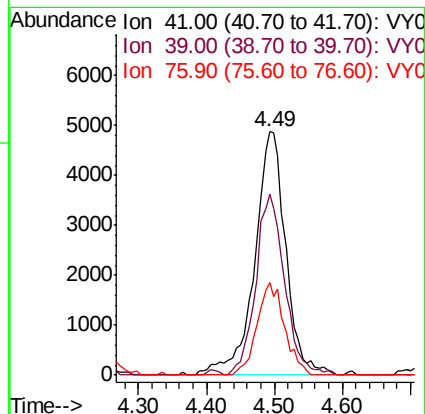
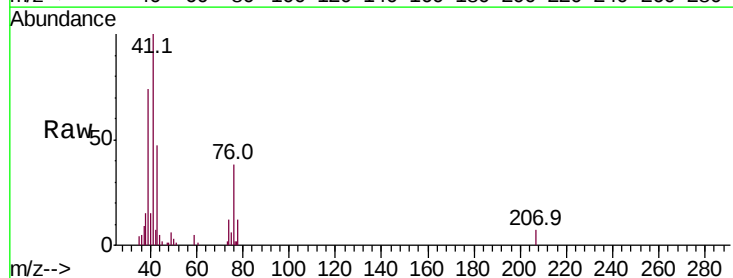
Tgt Ion: 41 Resp: 15593

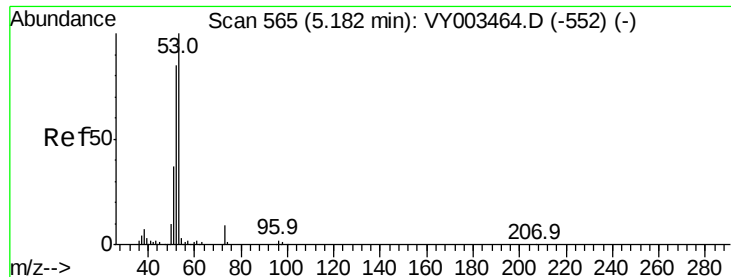
Ion Ratio Lower Upper

41 100

39 68.8 54.4 81.6

76 33.4 27.6 41.4





#15

Acrylonitrile

Concen: 22.771 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

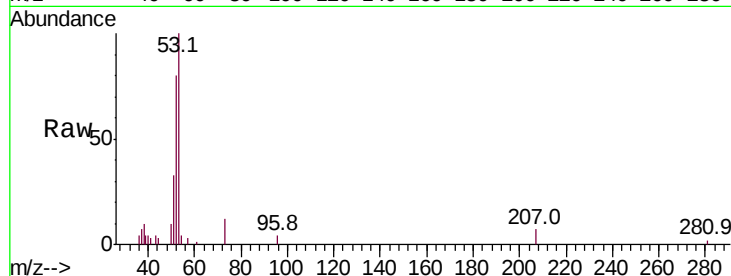
Tot Ion: 53 Resp: 12719

Ion Ratio Lower Upper

53 100

52 84.1 66.9 100.3

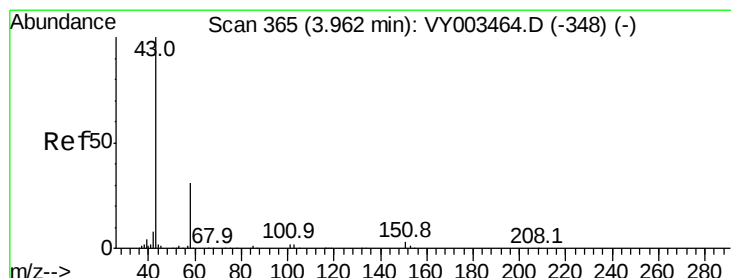
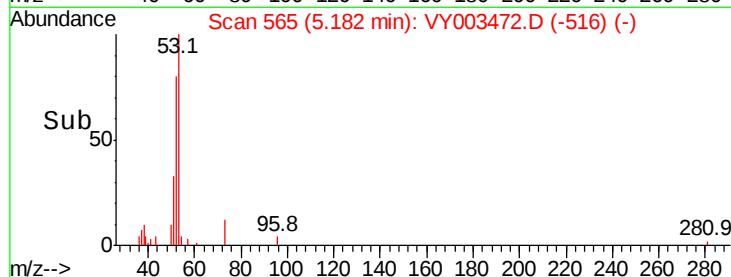
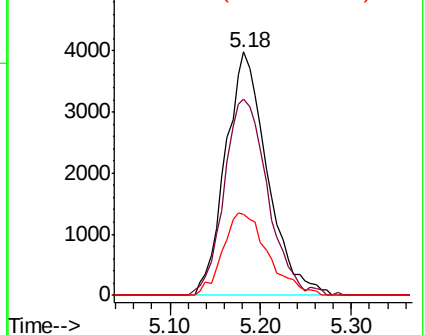
51 36.6 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 19.803 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY003472.D

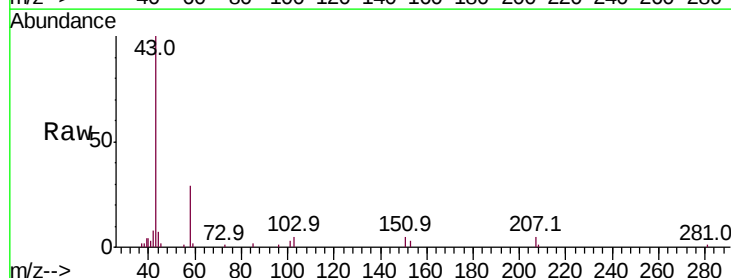
Acq: 02 Nov 2020 15:04

Tgt Ion: 43 Resp: 15399

Ion Ratio Lower Upper

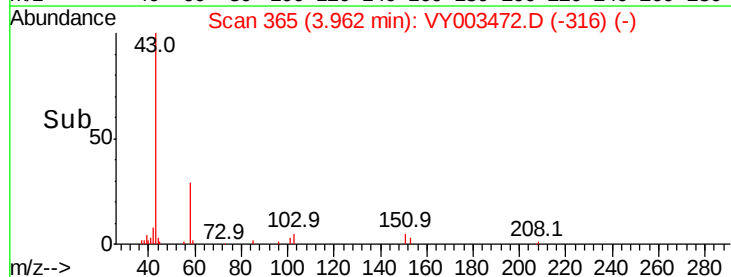
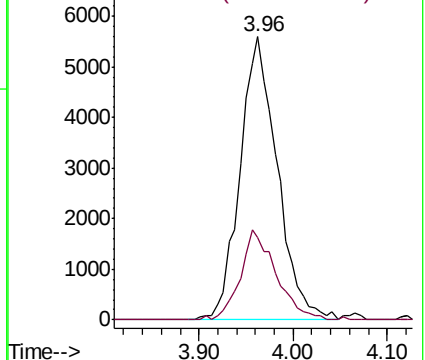
43 100

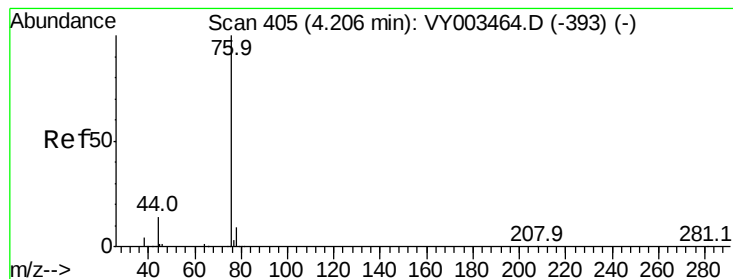
58 28.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 4.665 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

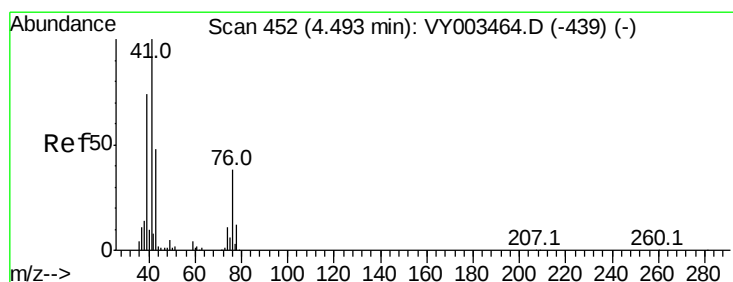
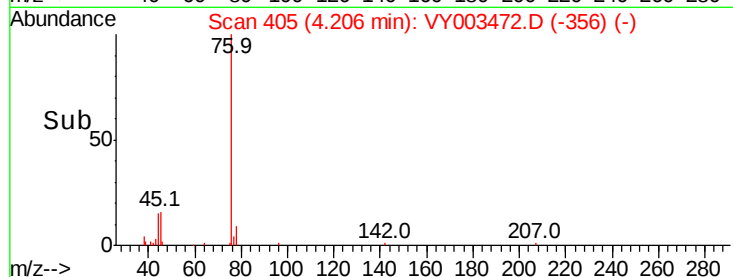
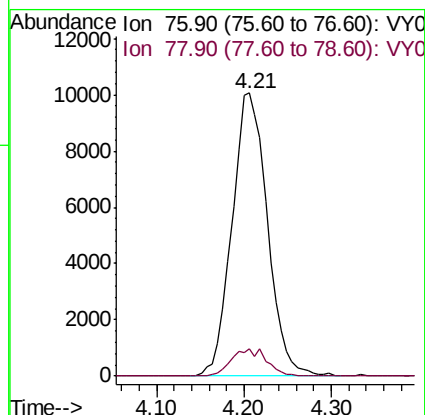
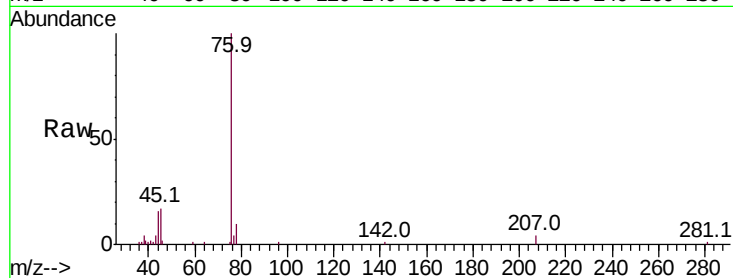
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 76 Resp: 28359

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



#18

Methyl Acetate

Concen: 4.978 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003472.D

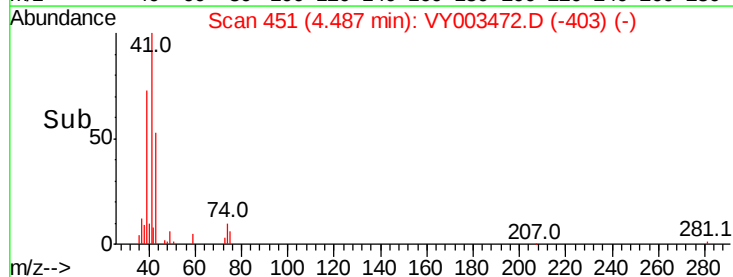
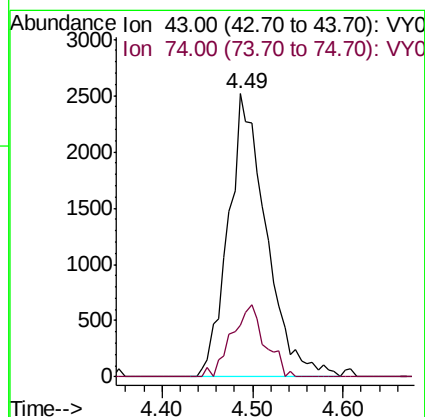
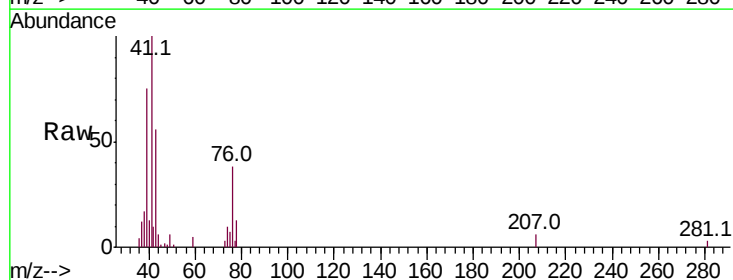
Acq: 02 Nov 2020 15:04

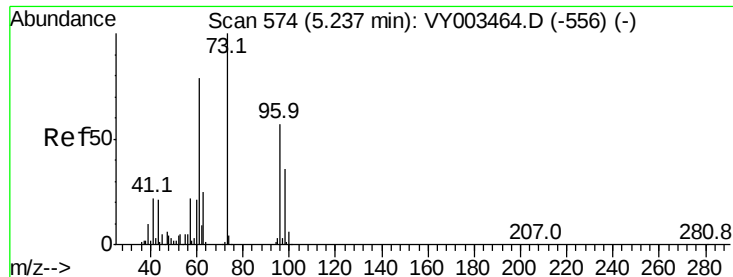
Tgt Ion: 43 Resp: 7315

Ion Ratio Lower Upper

43 100

74 22.2 18.4 27.6

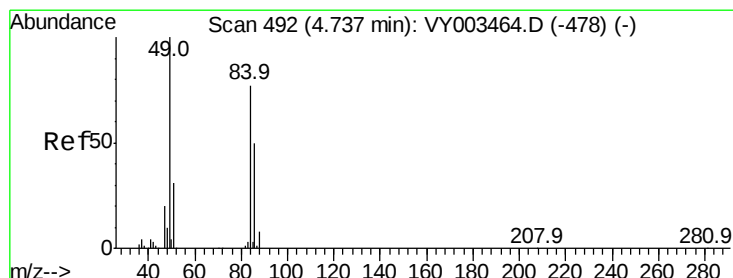
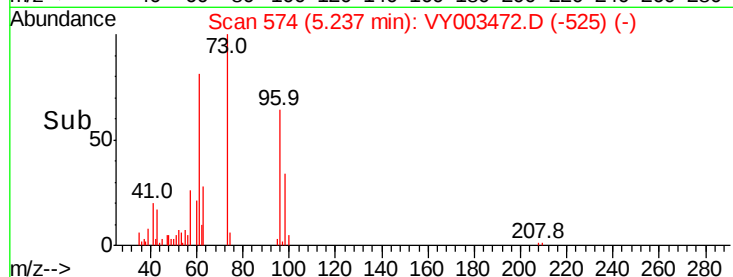
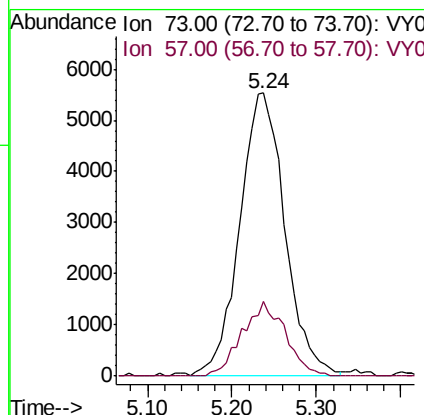
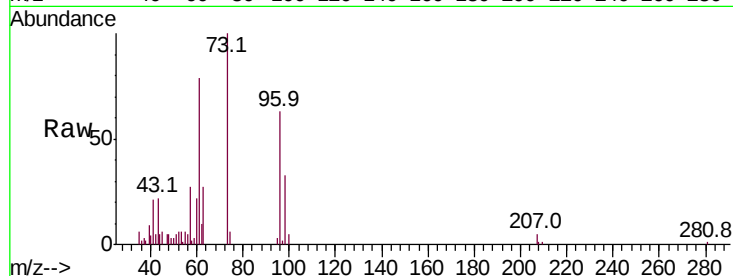




#19
Methvl tert-butvl Ether
Concen: 4.340 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

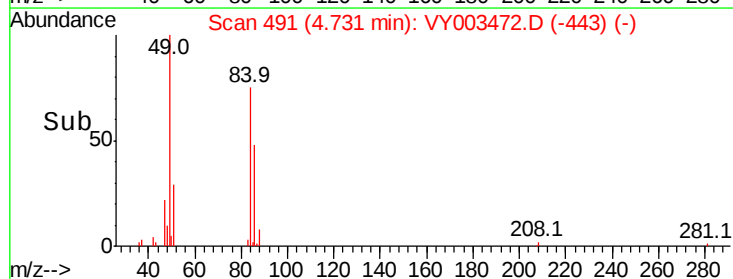
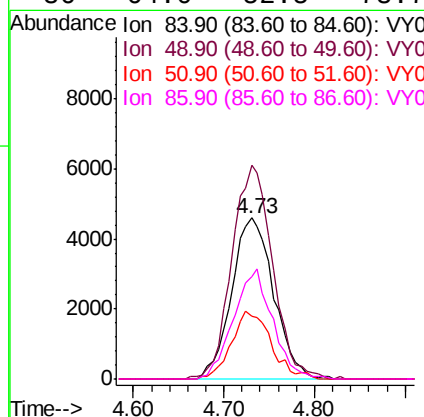
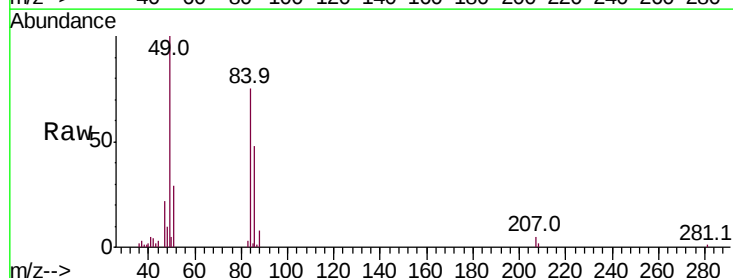
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

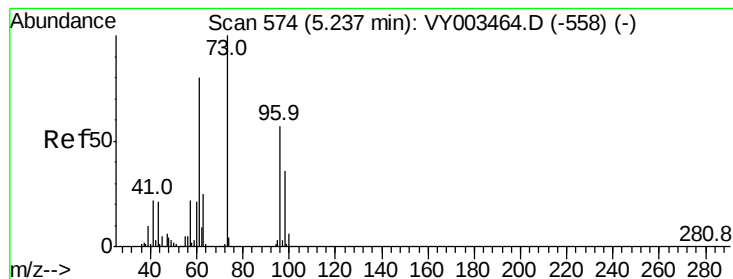
Tot Ion: 73 Resp: 20172
Ion Ratio Lower Upper
73 100
57 26.6 17.2 25.8#



#20
Methylene Chloride
Concen: 6.768 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 84 Resp: 14821
Ion Ratio Lower Upper
84 100
49 131.5 104.3 156.5
51 39.0 32.5 48.7
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 4.644 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

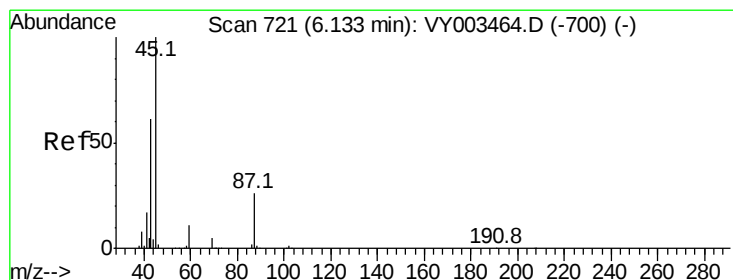
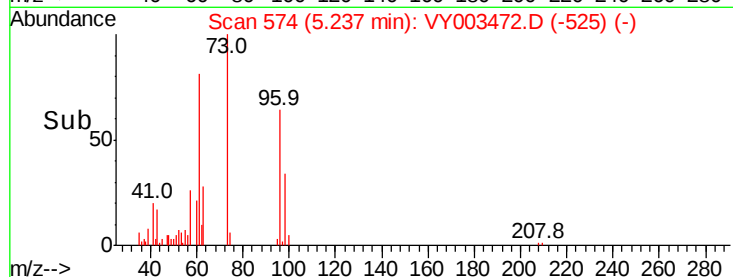
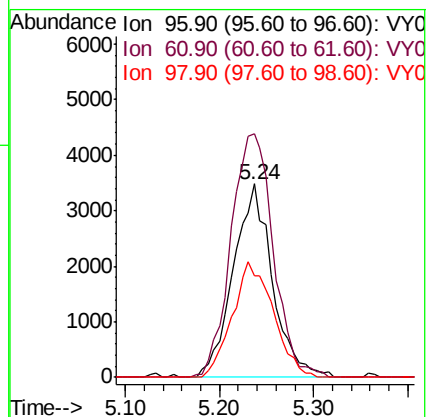
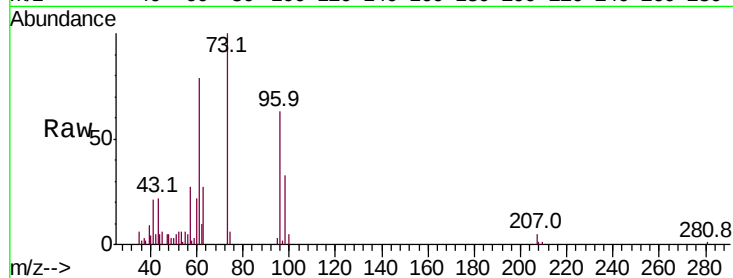
Tot Ion: 96 Resp: 10091

Ion Ratio Lower Upper

96 100

61 125.8 111.3 166.9

98 52.4 50.3 75.5



#22

Diisopropyl ether

Concen: 4.254 ug/l

RT: 6.14 min Scan# 722

Delta R.T. 0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Tgt Ion: 45 Resp: 25542

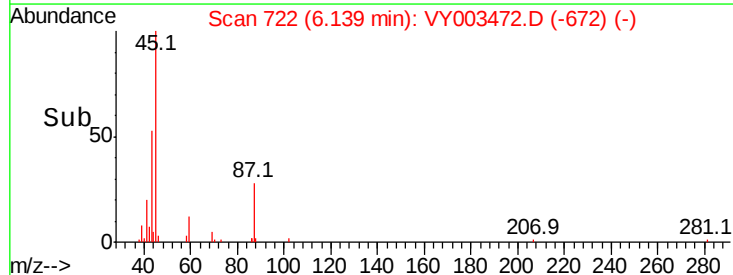
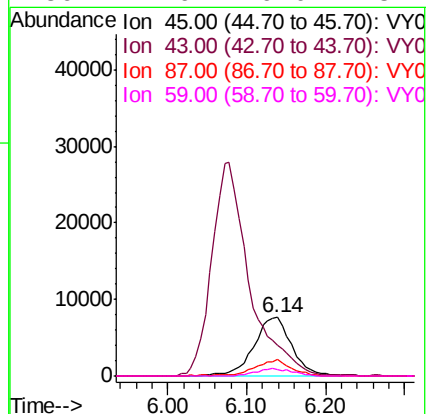
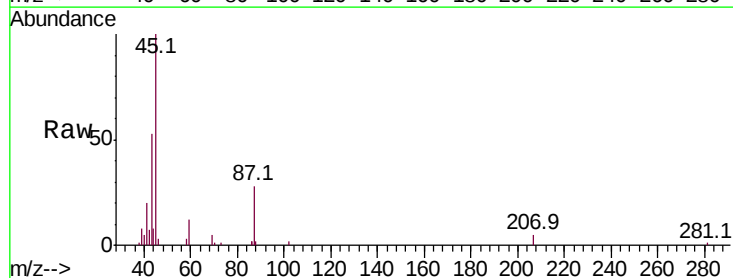
Ion Ratio Lower Upper

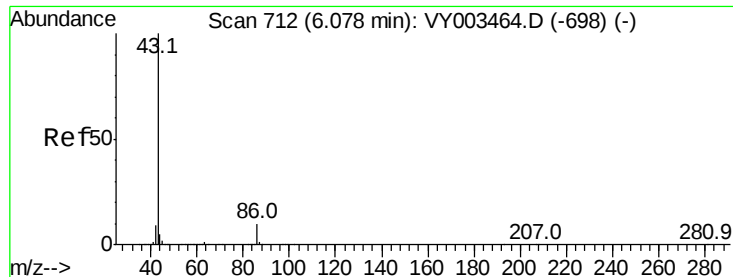
45 100

43 50.5 48.8 73.2

87 28.4 20.6 31.0

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 20.630 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

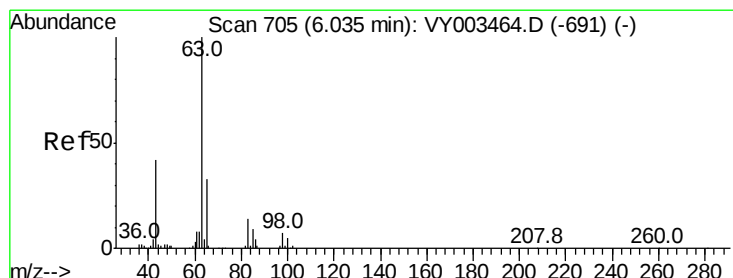
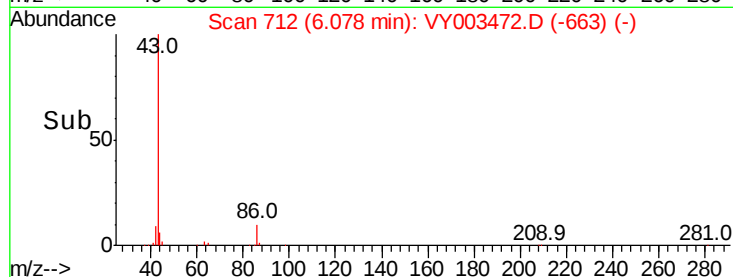
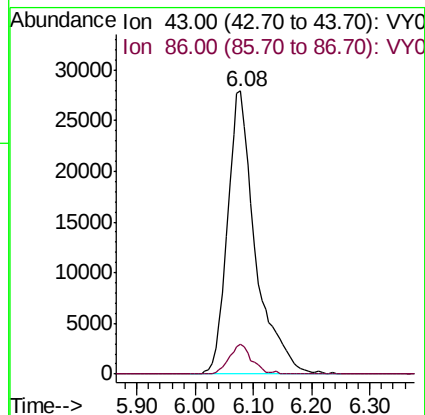
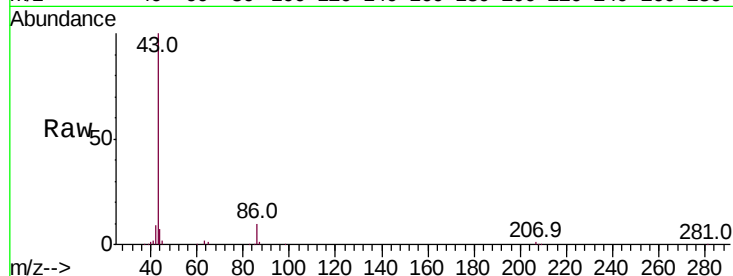
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 93090

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2



#24

1,1-Dichloroethane

Concen: 4.544 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

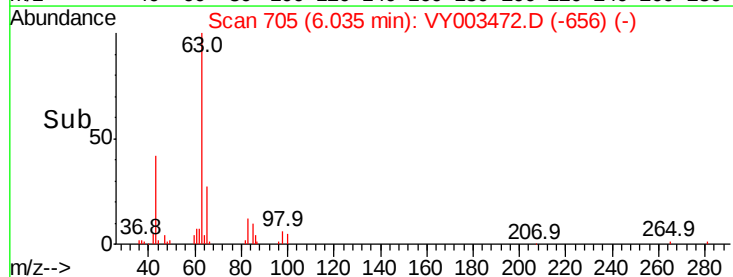
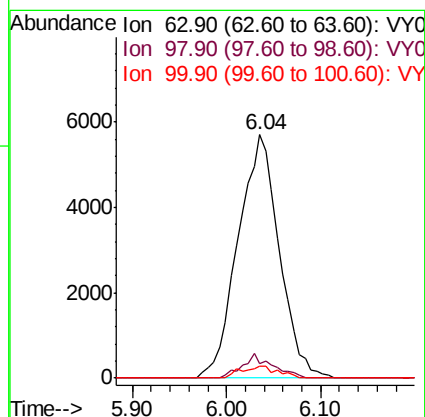
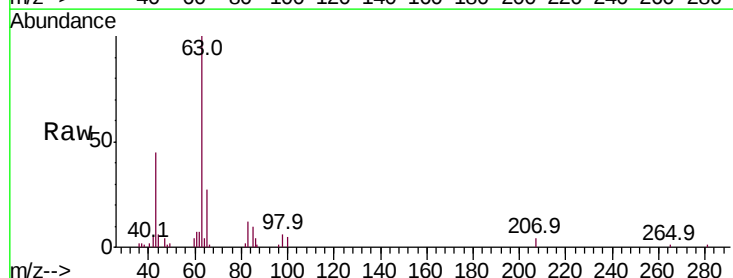
Tgt Ion: 63 Resp: 17337

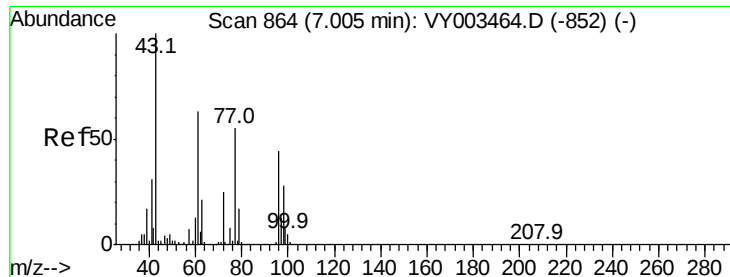
Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 21.204 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

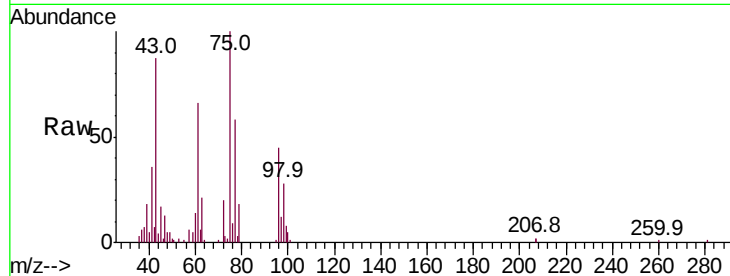
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 20622

Ion Ratio Lower Upper

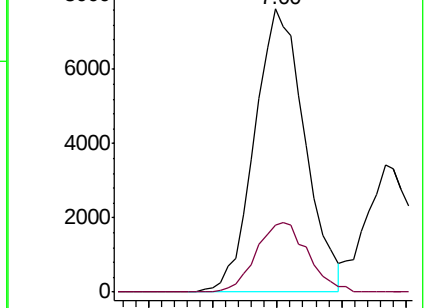
43 100

72 23.6 20.1 30.1

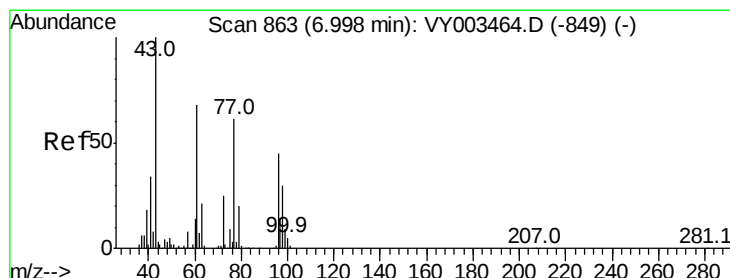
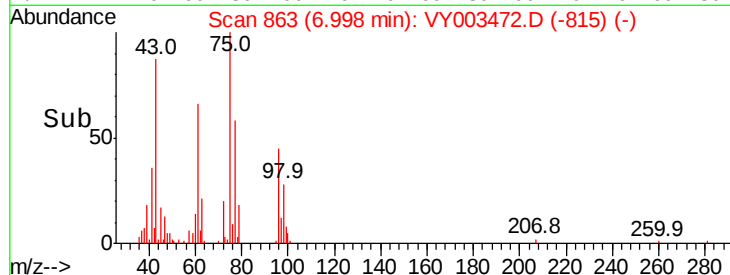


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#26

2,2-Dichloropropane

Concen: 4.740 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003472.D

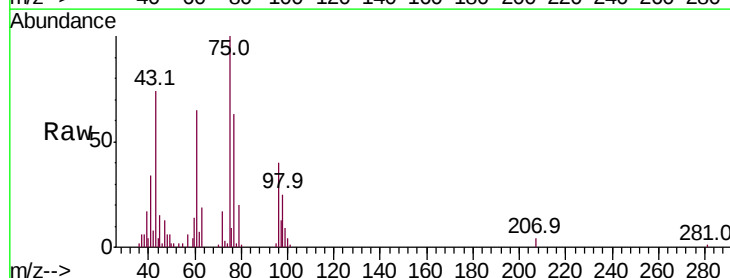
Acq: 02 Nov 2020 15:04

Tgt Ion: 77 Resp: 16851

Ion Ratio Lower Upper

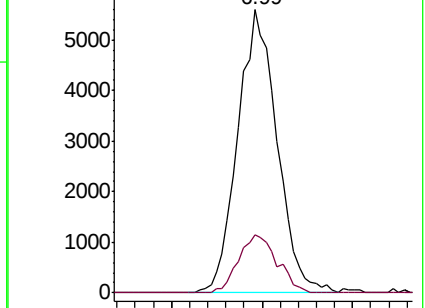
77 100

97 20.2 11.2 33.6

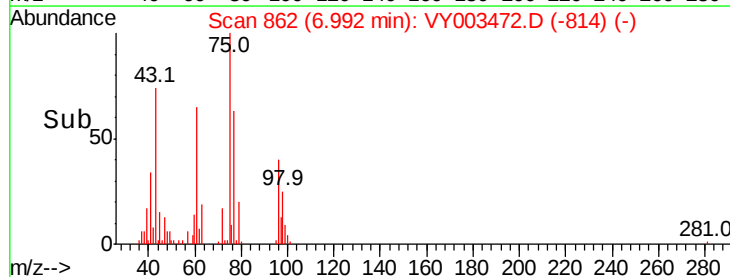


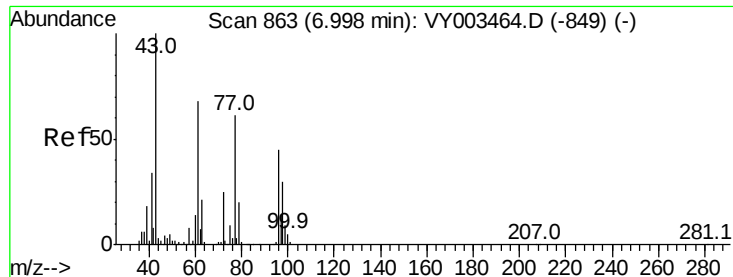
Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->



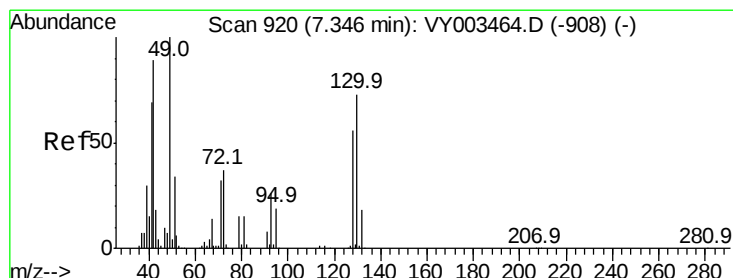
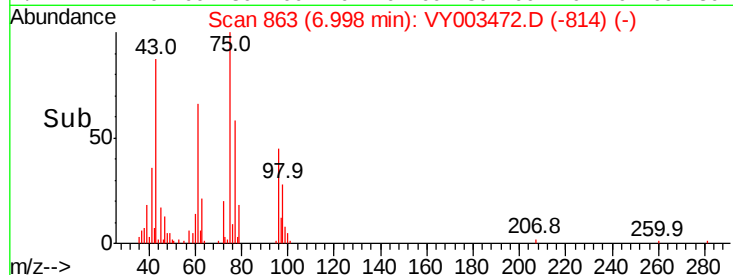
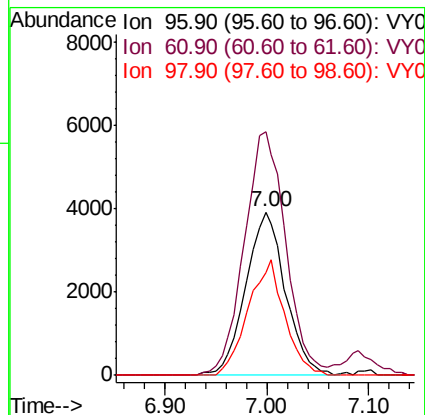
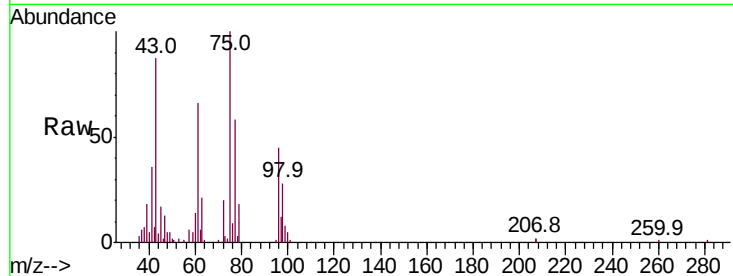


#27

cis-1,2-Dichloroethene
Concen: 4.512 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

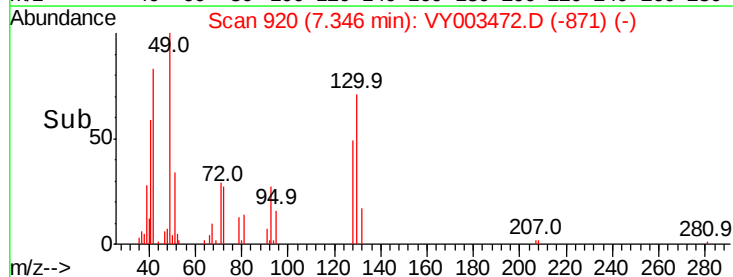
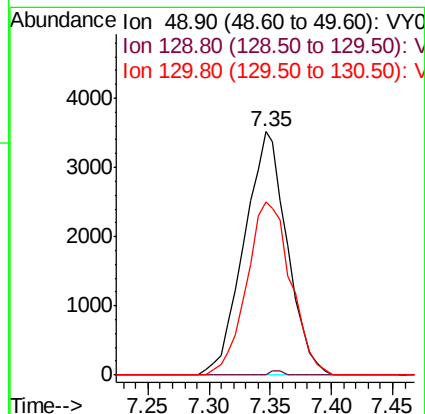
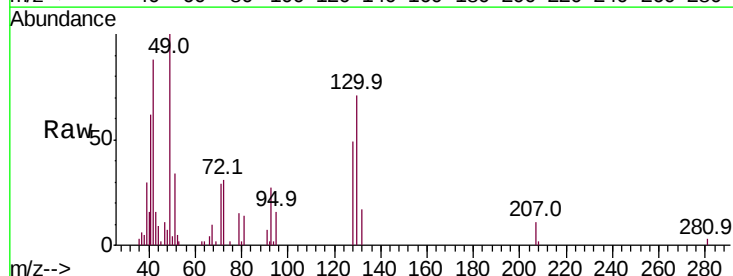
Tot Ion: 96 Resp: 10623
Ion Ratio Lower Upper
96 100
61 155.5 0.0 299.2
98 65.1 0.0 128.6

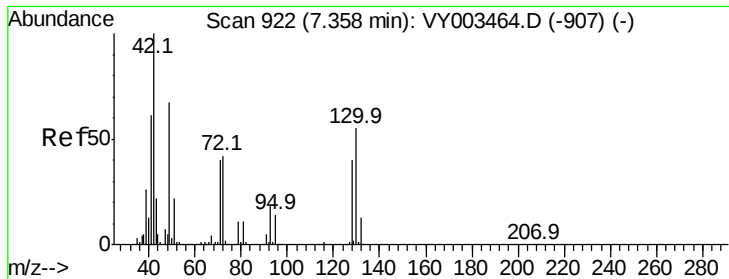


#28

Bromochloromethane
Concen: 4.461 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 49 Resp: 8563
Ion Ratio Lower Upper
49 100
129 0.5 0.0 4.2
130 73.1 60.0 90.0

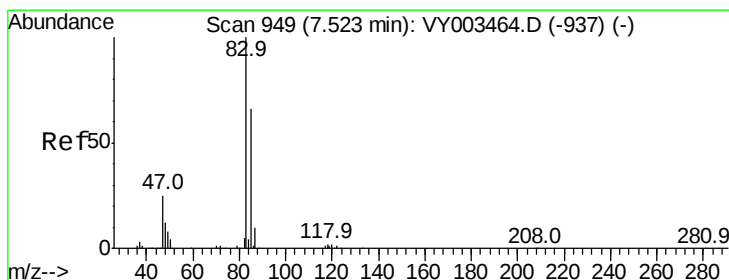
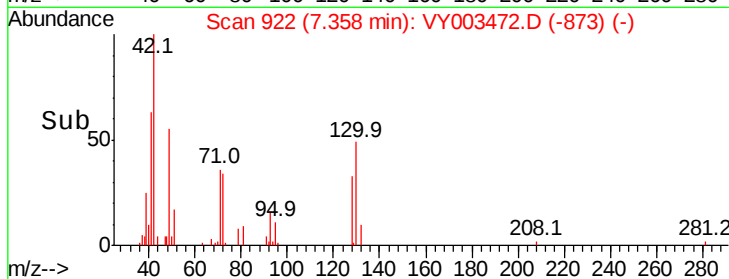
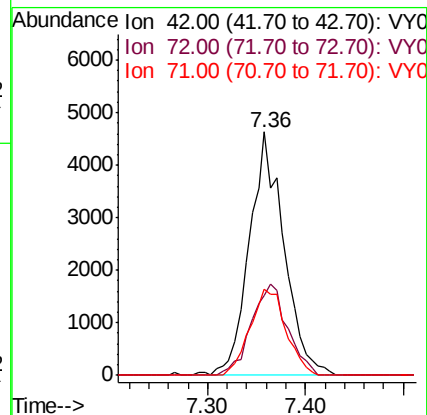
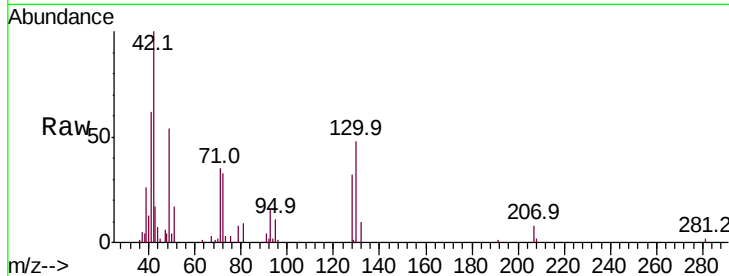




#29
Tetrahydrofuran
Concen: 22.330 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

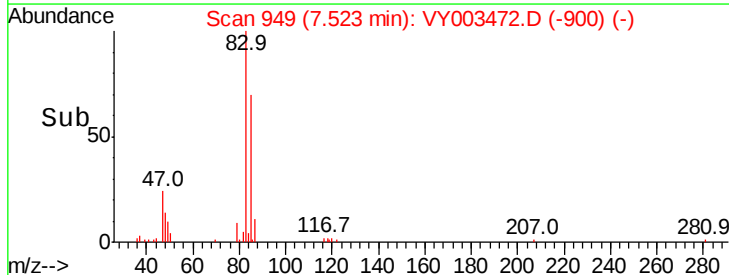
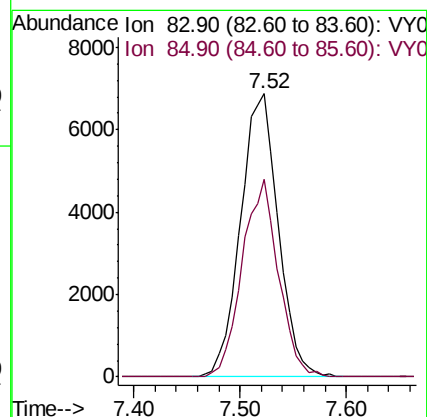
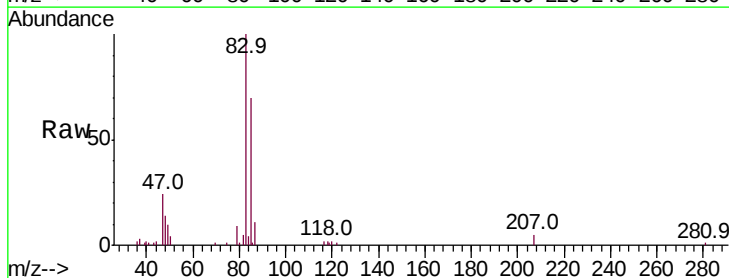
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

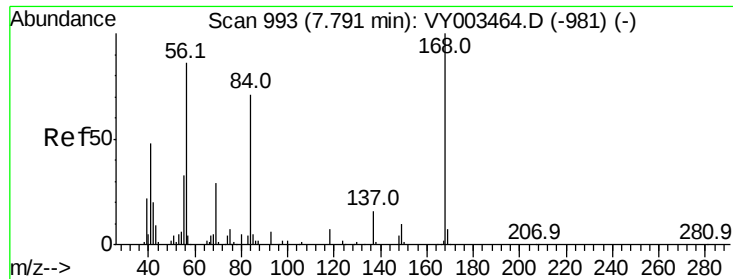
Tot Ion: 42 Resp: 11348
Ion Ratio Lower Upper
42 100
72 39.2 32.8 49.2
71 36.8 30.7 46.1



#30
Chloroform
Concen: 4.568 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 83 Resp: 17121
Ion Ratio Lower Upper
83 100
85 69.8 52.6 79.0





#31

Cyclohexane

Concen: 5.267 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

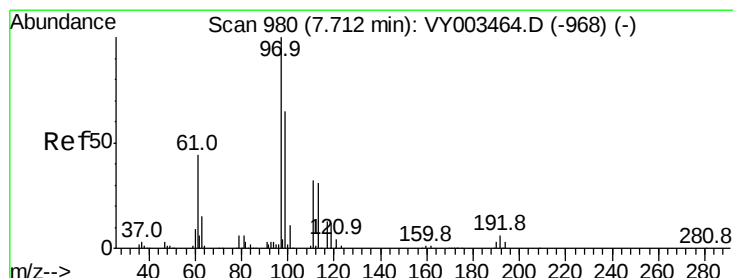
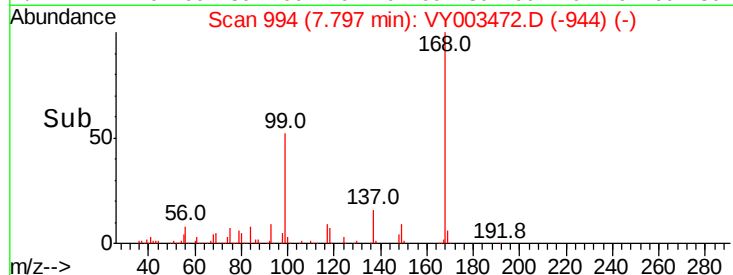
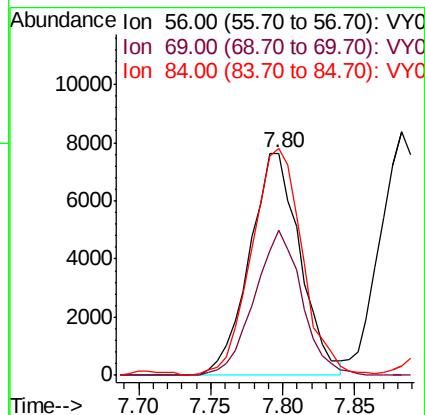
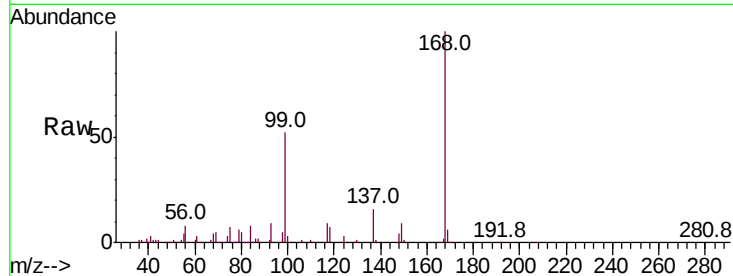
Tot Ion: 56 Resp: 18609

Ion Ratio Lower Upper

56 100

69 65.6 26.6 39.8#

84 102.4 65.9 98.9#



#32

1,1,1-Trichloroethane

Concen: 4.572 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

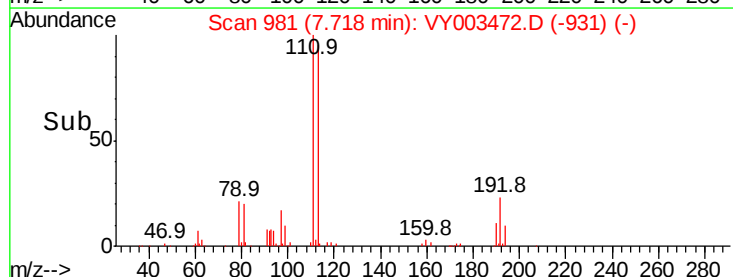
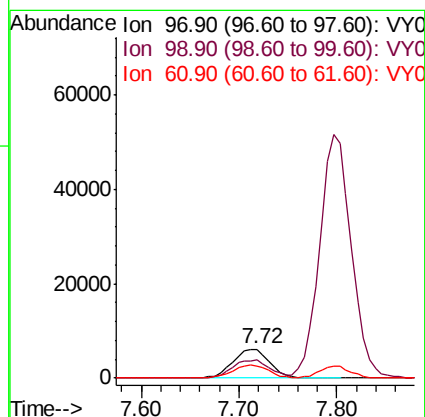
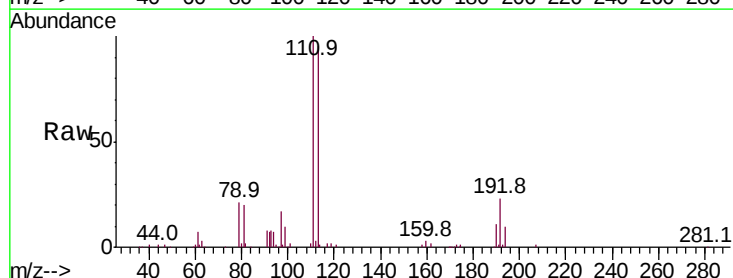
Tgt Ion: 97 Resp: 15984

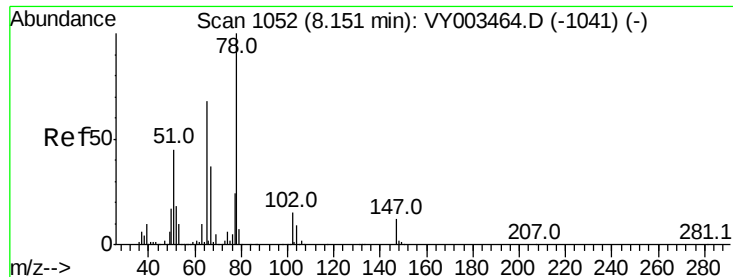
Ion Ratio Lower Upper

97 100

99 62.9 51.6 77.4

61 44.9 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.195 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

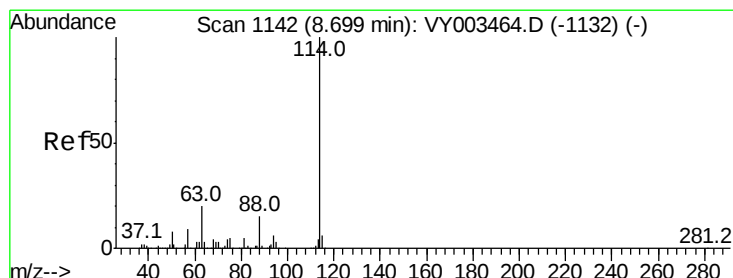
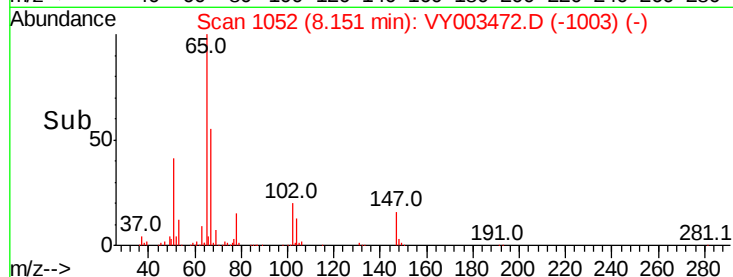
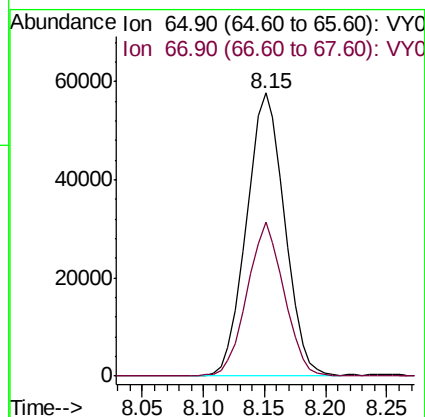
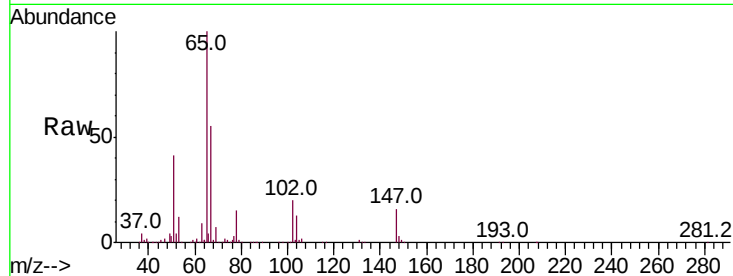
Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 65 Resp: 125390

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

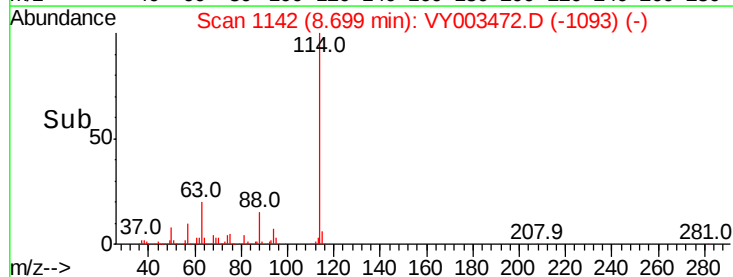
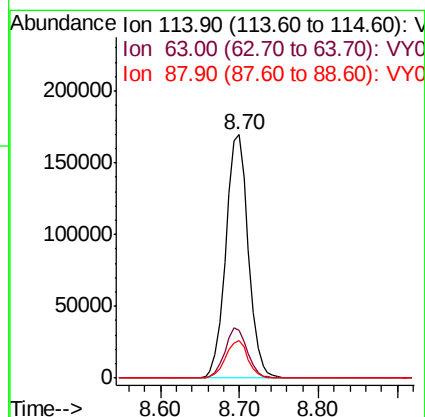
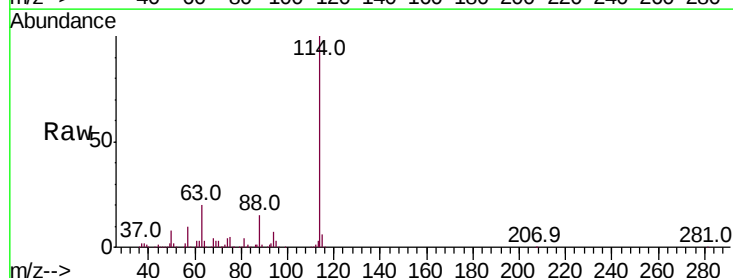
Delta R.T. -0.00 min

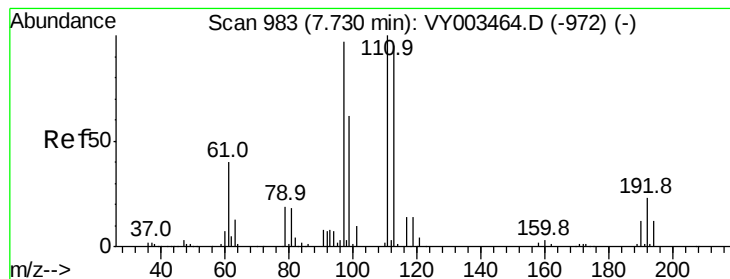
Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Tgt Ion:114 Resp: 336115

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.6
88	15.4	0.0	29.4





#35

Dibromofluoromethane

Concen: 51.143 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

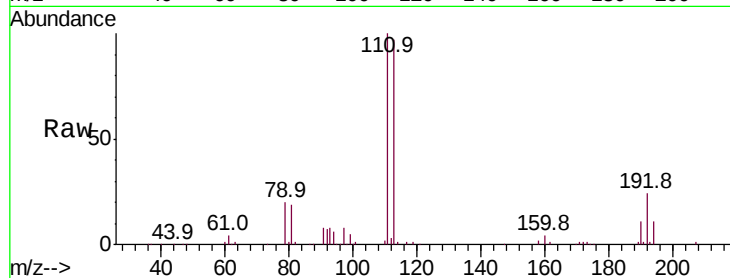
Tot Ion:113 Resp: 104604

Ion Ratio Lower Upper

113 100

111 104.5 81.8 122.6

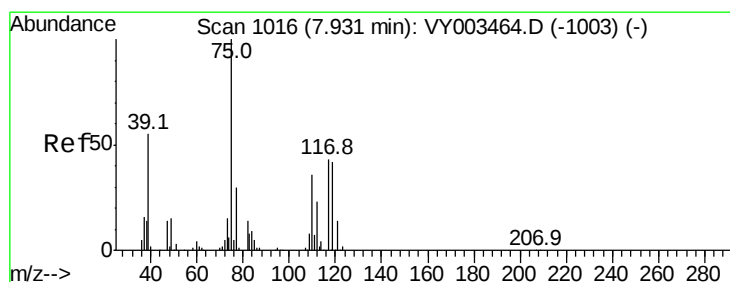
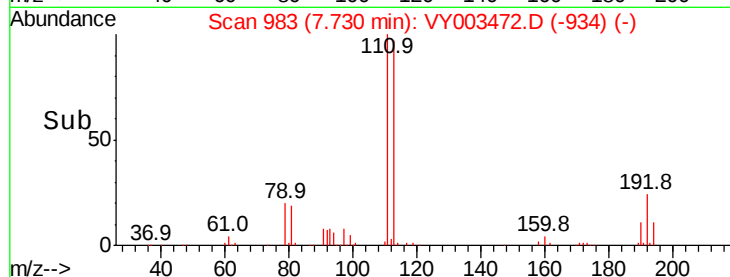
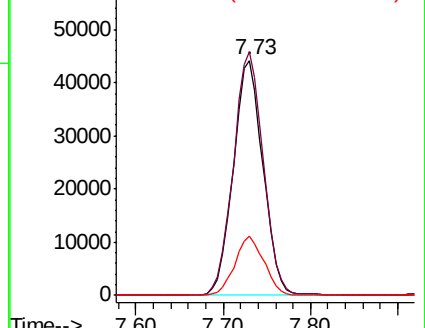
192 24.8 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.578 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

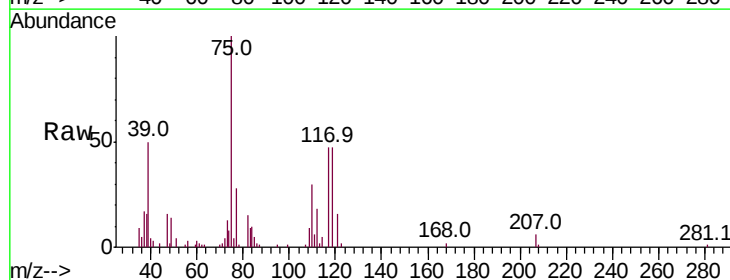
Tgt Ion: 75 Resp: 14508

Ion Ratio Lower Upper

75 100

110 34.5 17.6 52.9

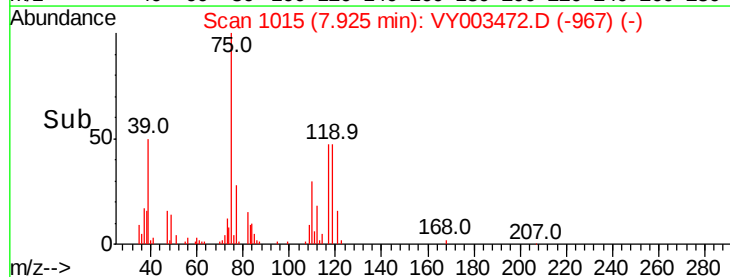
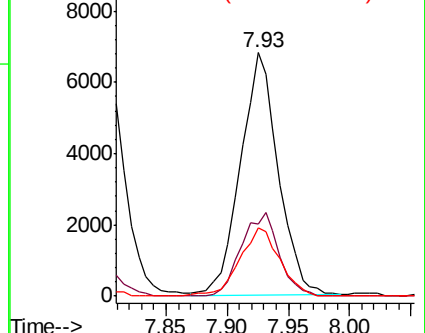
77 29.8 24.7 37.1

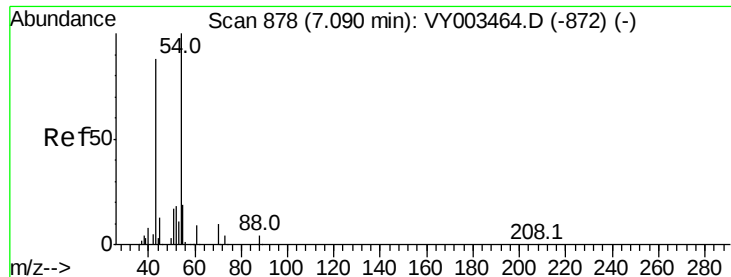


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

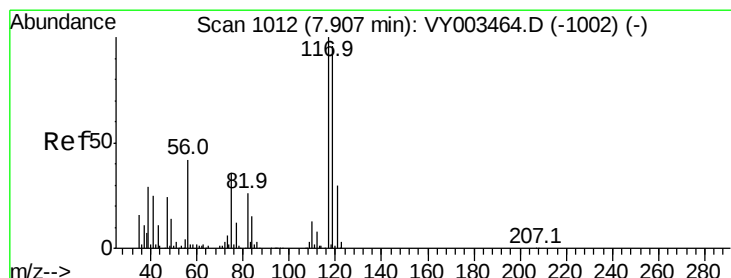
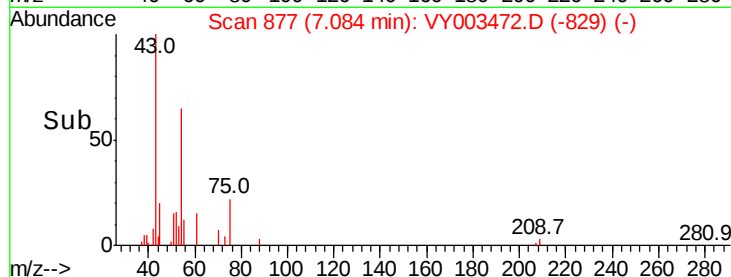
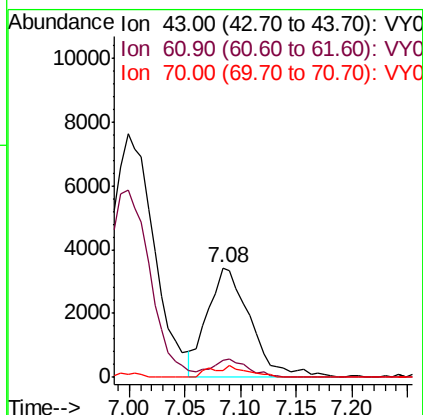
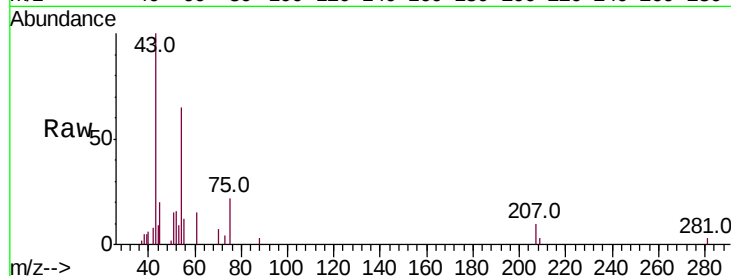




#37
Ethyl Acetate
Concen: 4.678 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

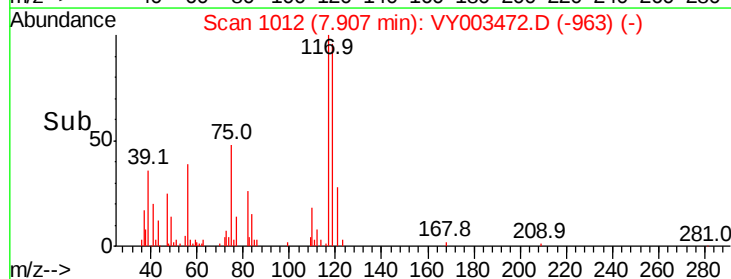
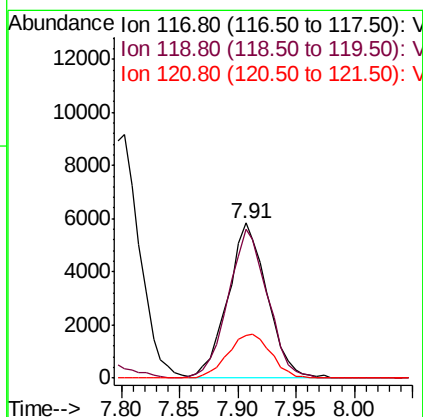
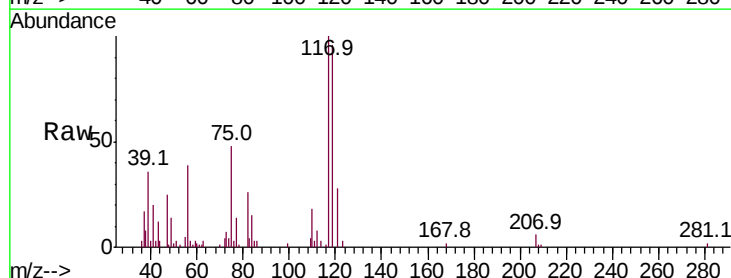
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

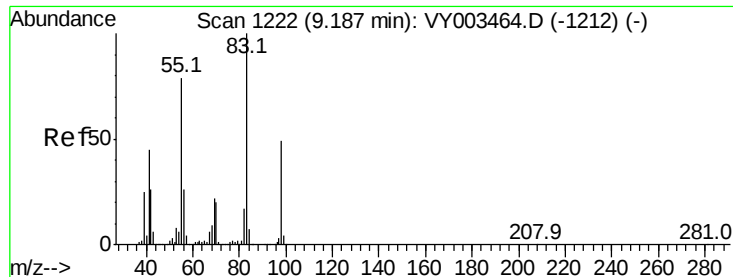
Tot Ion: 43 Resp: 9205
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.6
70 9.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 4.162 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 117 Resp: 13684
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.4
121 28.0 24.2 36.4

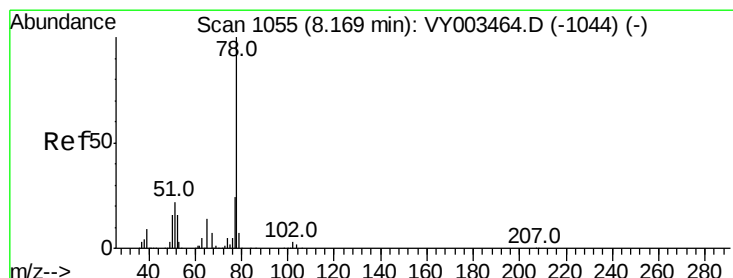
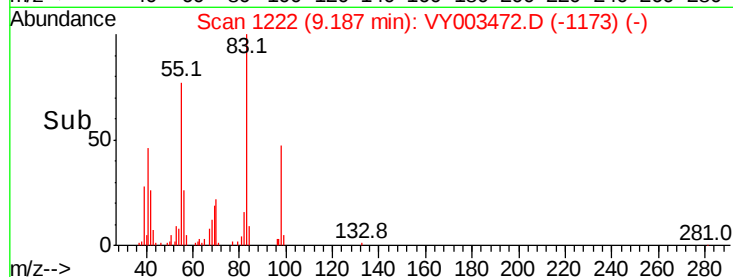
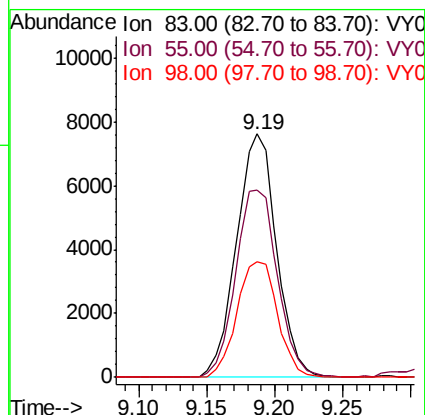
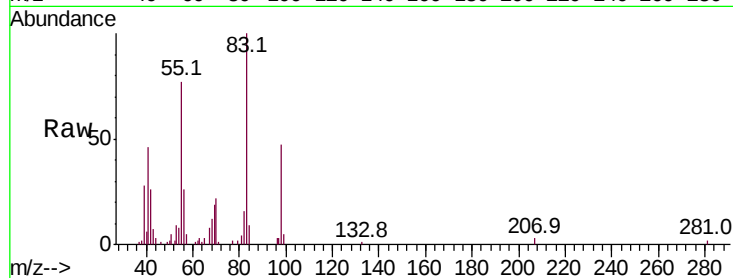




#39
Methvlcvclohexane
Concen: 4.431 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

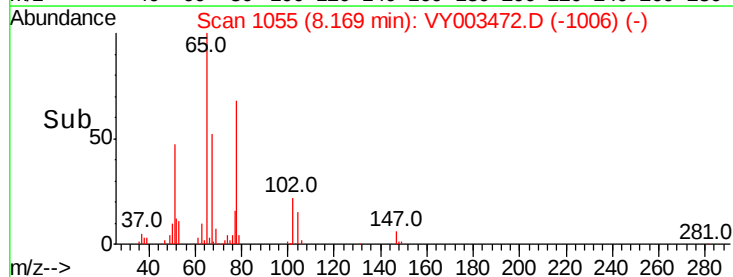
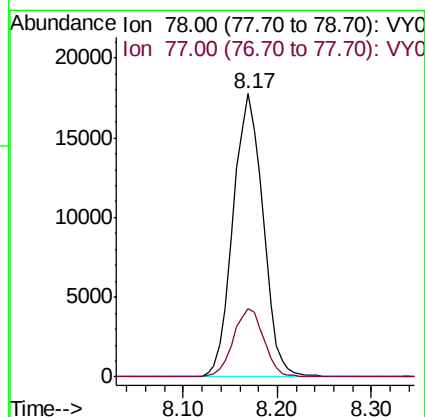
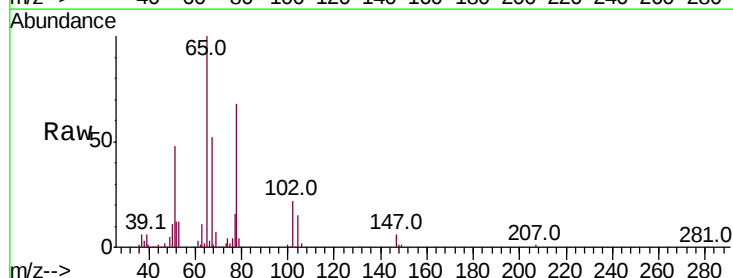
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

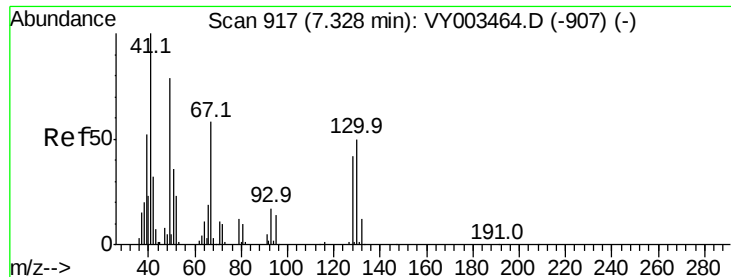
Tot Ion	83	Resp	15637
Ion Ratio	Lower	Upper	
83	100		
55	76.9	63.5	95.3
98	47.3	39.4	59.2



#40
Benzene
Concen: 4.484 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion	78	Resp	39549
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.4	29.0

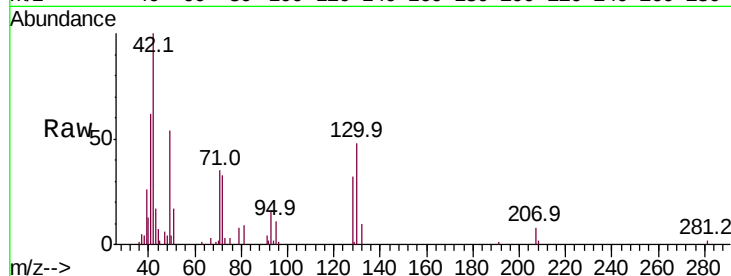




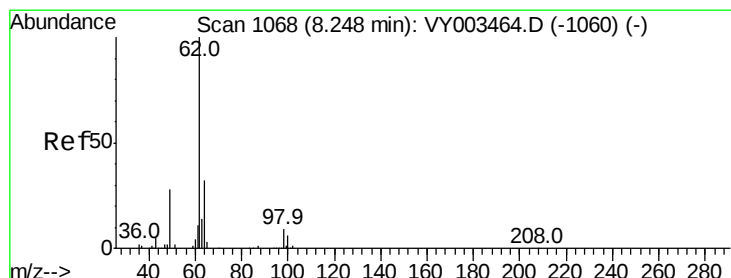
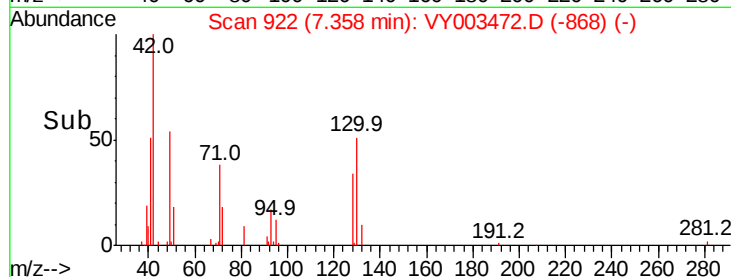
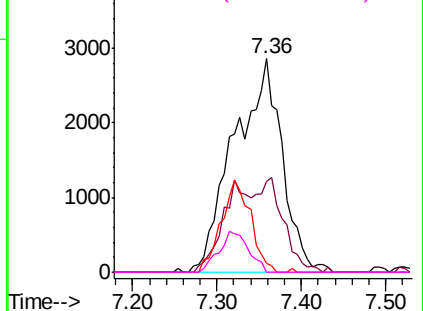
#41
Methacrylonitrile
Concen: 10.636 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:	41	Resp:	11177
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

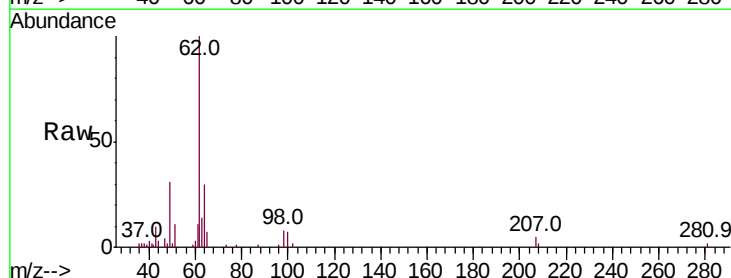


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

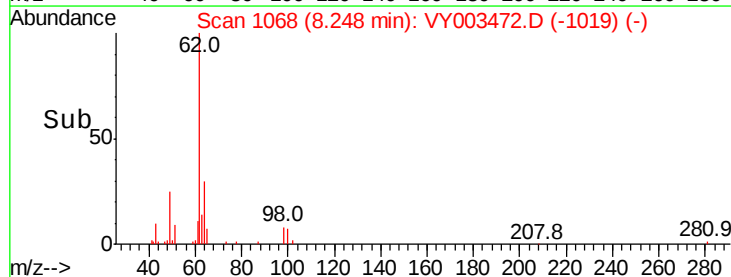
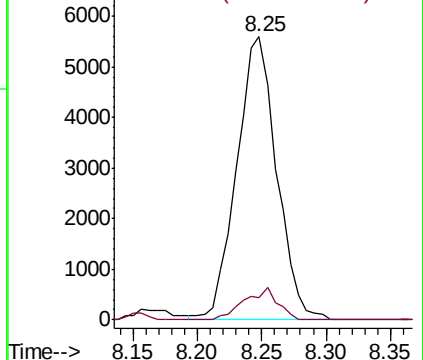


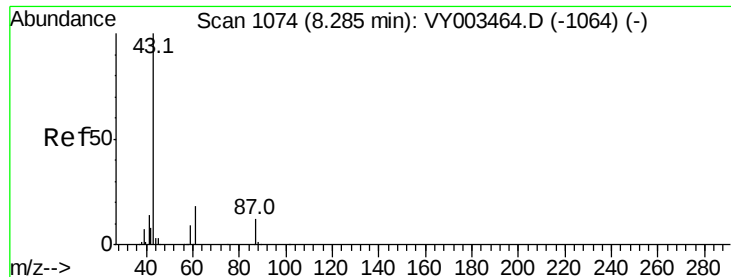
#42
1,2-Dichloroethane
Concen: 4.355 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion:	62	Resp:	12035
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 4.399 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

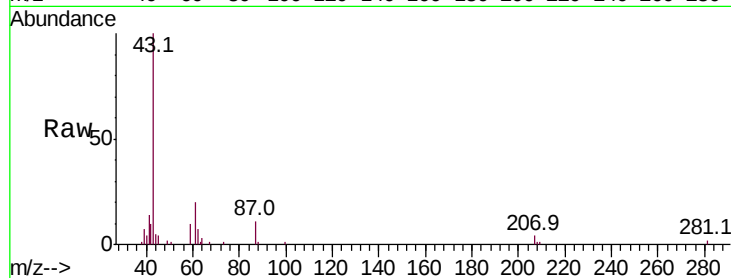
Tot Ion: 43 Resp: 15559

Ion Ratio Lower Upper

43 100

61 27.4 21.9 32.9

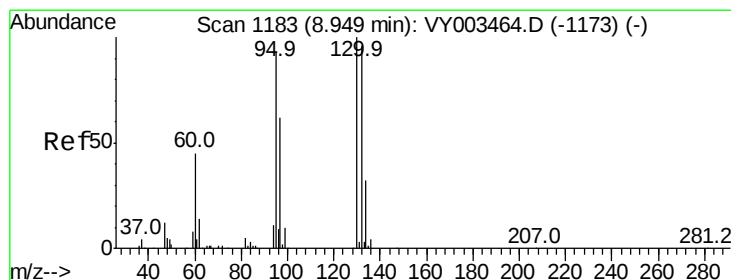
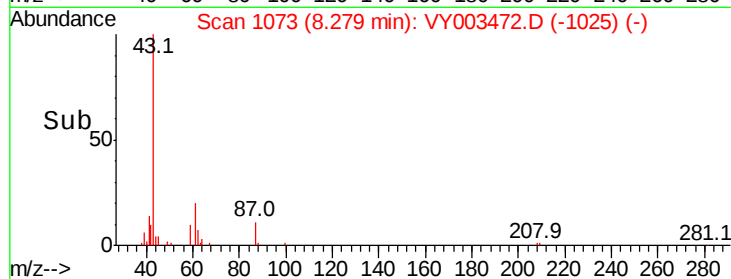
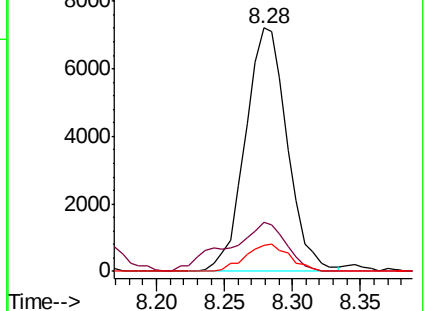
87 11.7 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY003464.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY003464.D (-1064) (-)



#44

Trichloroethene

Concen: 4.600 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VY003472.D

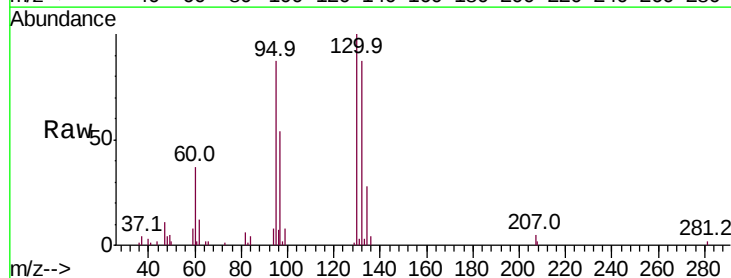
Acq: 02 Nov 2020 15:04

Tgt Ion:130 Resp: 11390

Ion Ratio Lower Upper

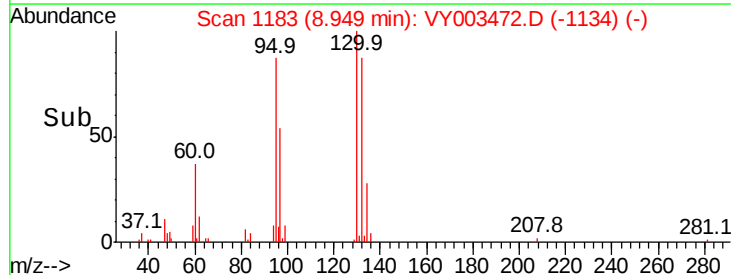
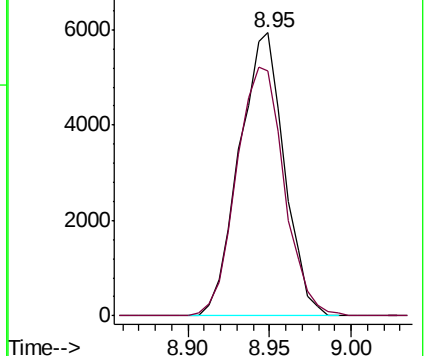
130 100

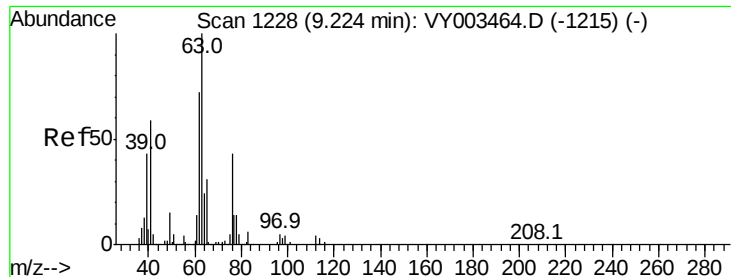
95 86.5 0.0 186.6



Abundance Ion 129.80 (129.50 to 130.50): VY003464.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY003464.D (-1173) (-)





#45

1,2-Dichloropropane

Concen: 4.297 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

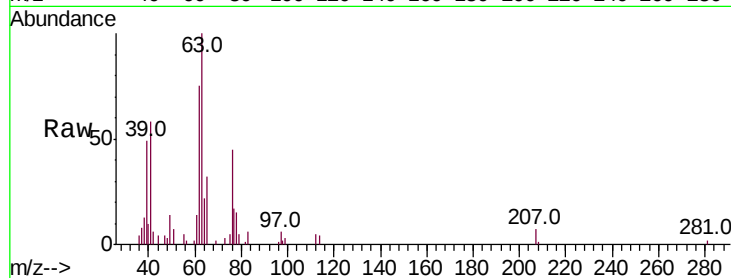
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 63 Resp: 9570

Ion Ratio Lower Upper

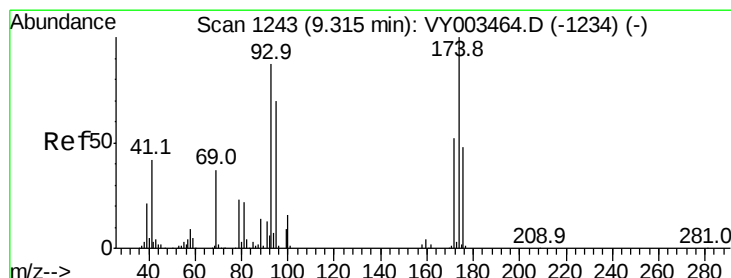
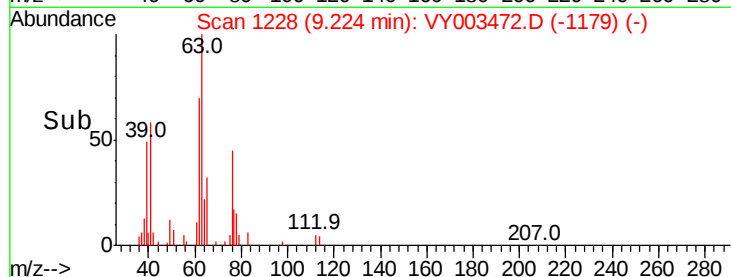
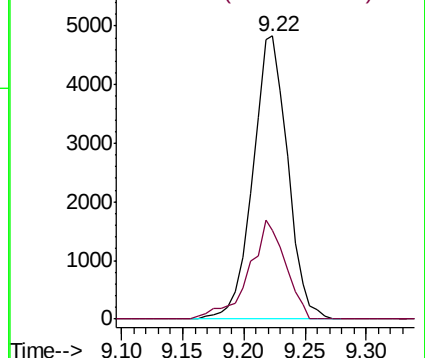
63 100

65 31.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 4.246 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

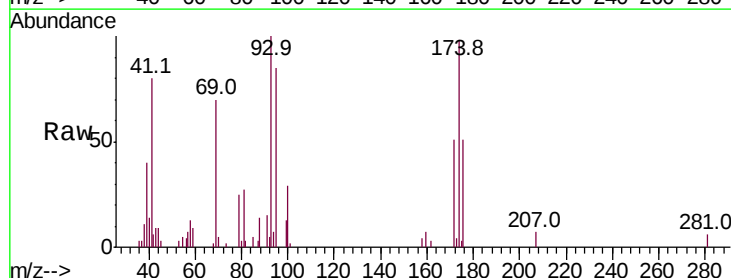
Tgt Ion: 93 Resp: 5202

Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

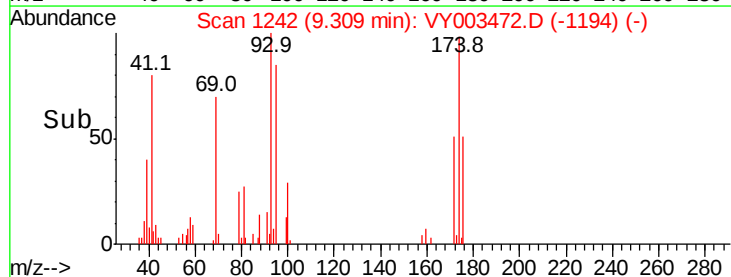
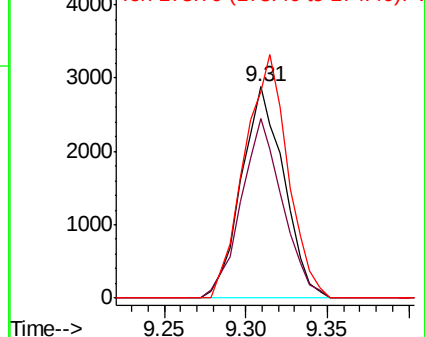
174 118.2 91.8 137.6

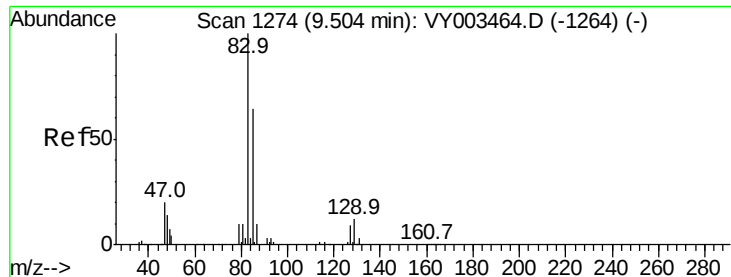


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.331 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

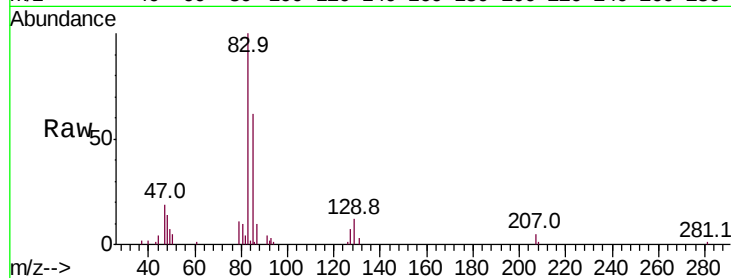
Tot Ion: 83 Resp: 12990

Ion Ratio Lower Upper

83 100

85 61.5 51.0 76.6

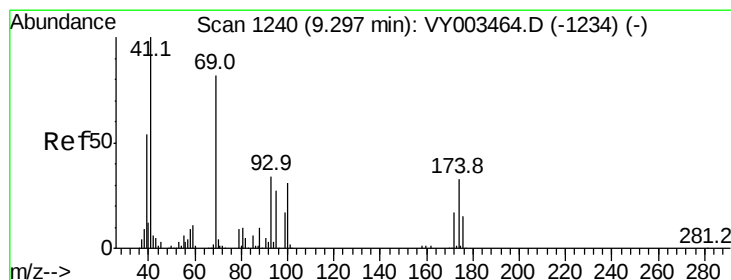
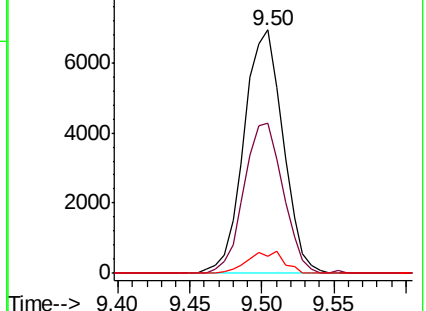
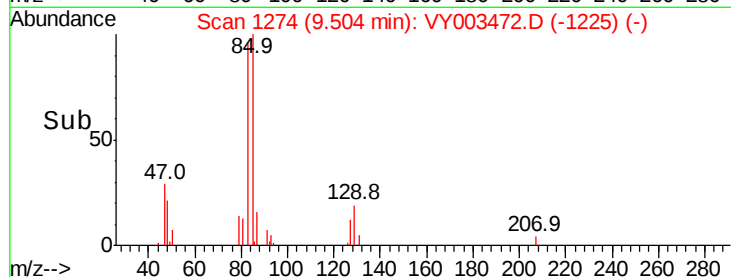
127 7.3 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 4.029 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

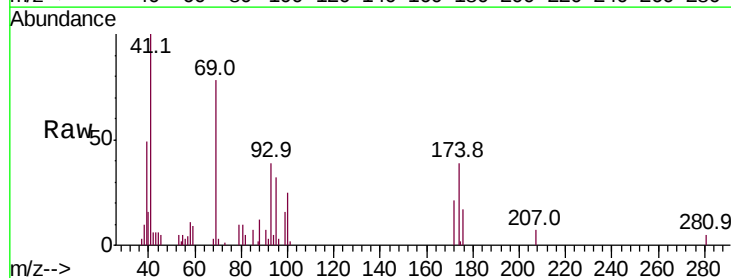
Tgt Ion: 41 Resp: 6712

Ion Ratio Lower Upper

41 100

69 86.8 65.9 98.9

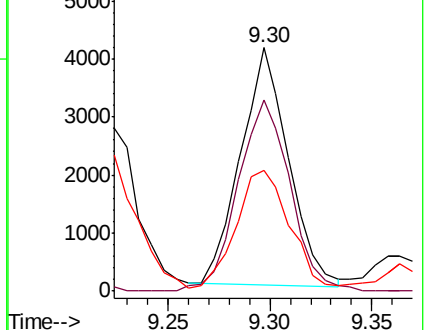
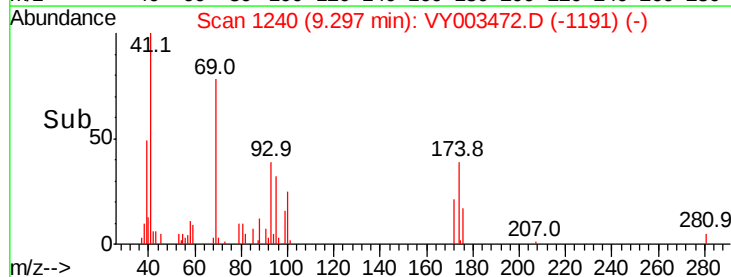
39 57.9 43.2 64.8

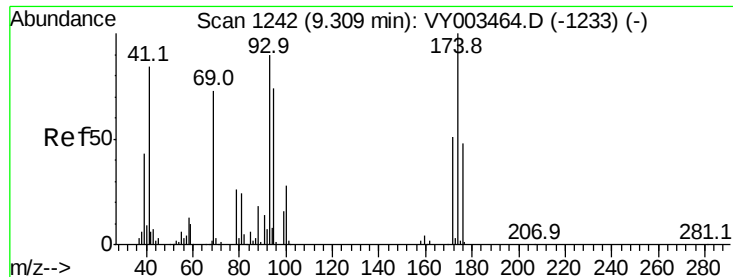


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

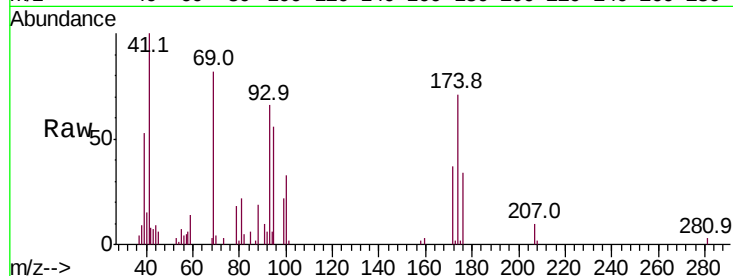




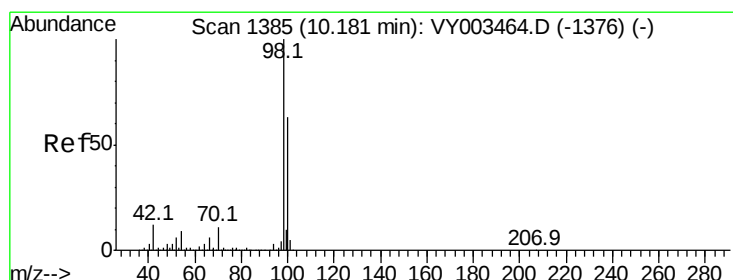
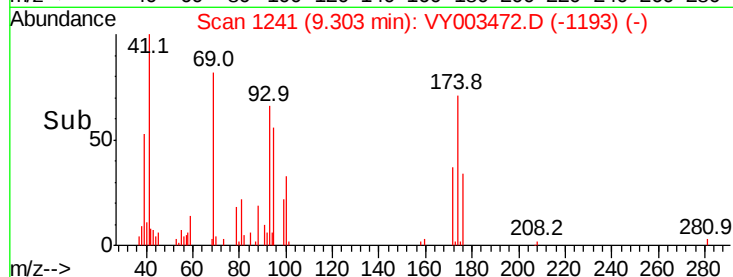
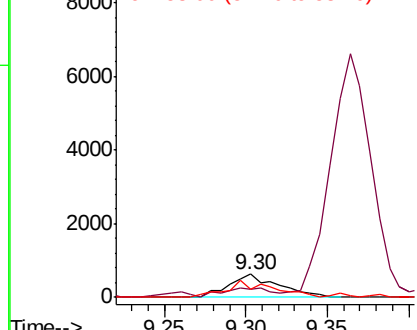
#49
 1,4-Dioxane
 Concen: 86.470 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 88 Resp: 1322
 Ion Ratio Lower Upper
 88 100
 43 40.7 27.6 41.4
 58 66.1 54.2 81.2

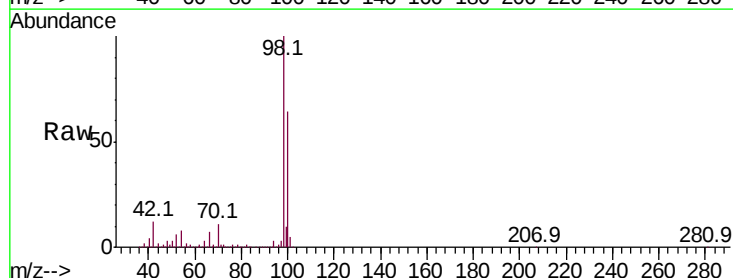


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

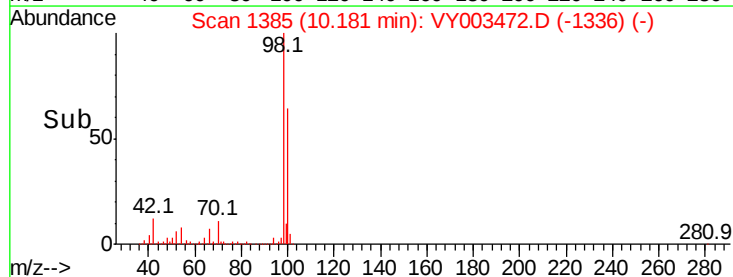
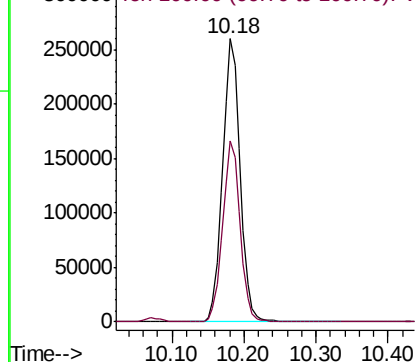


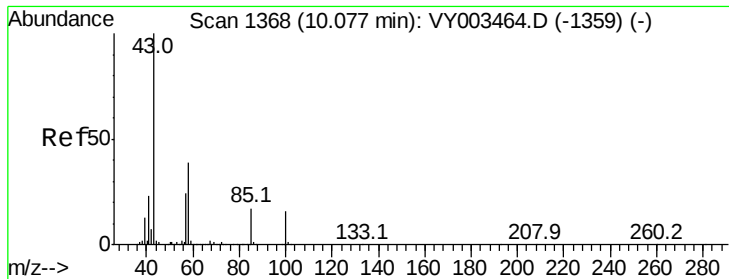
#50
 Toluene-d8
 Concen: 51.731 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion: 98 Resp: 440172
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 21.036 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

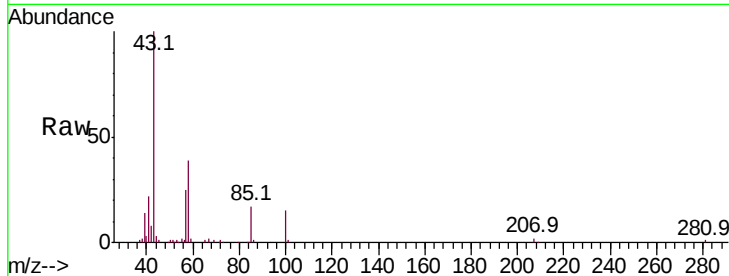
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 39638

Ion Ratio Lower Upper

43 100

58 39.1 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY003464.D (-1359) (-)

25000

20000

15000

10000

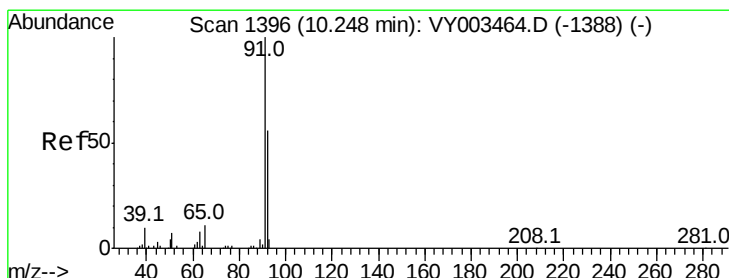
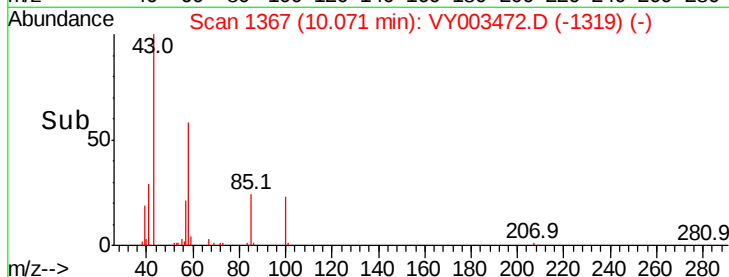
5000

0

10.00

10.10

Time-->



#52

Toluene

Concen: 4.369 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY003472.D

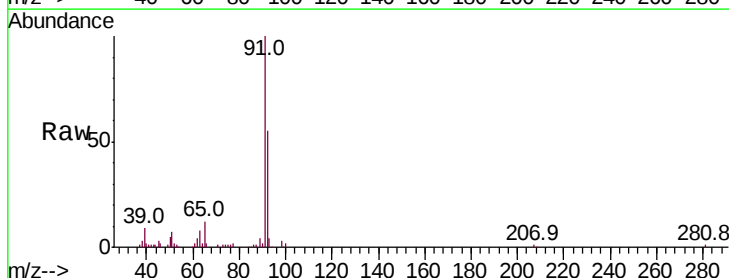
Acq: 02 Nov 2020 15:04

Tgt Ion: 92 Resp: 24099

Ion Ratio Lower Upper

92 100

91 179.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VY003464.D (-1388) (-)

Ion 91.00 (90.70 to 91.70): VY003464.D (-1388) (-)

25000

20000

15000

10000

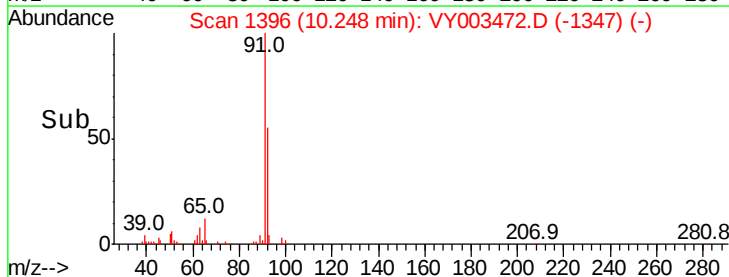
5000

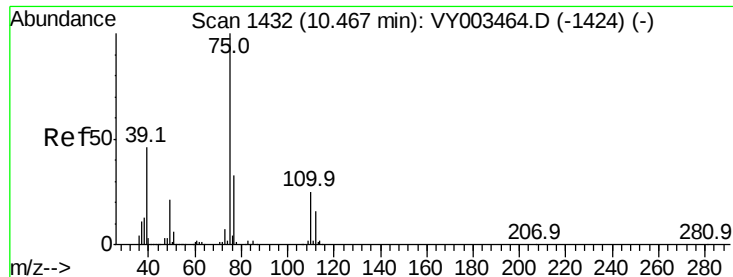
0

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.107 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

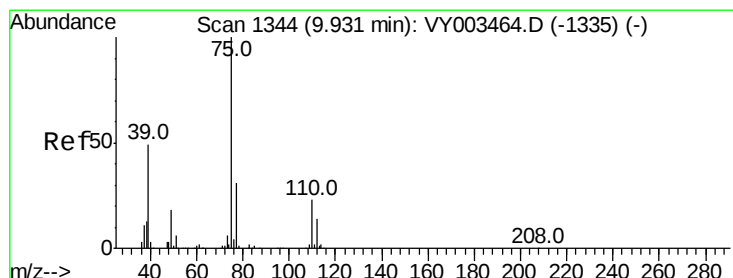
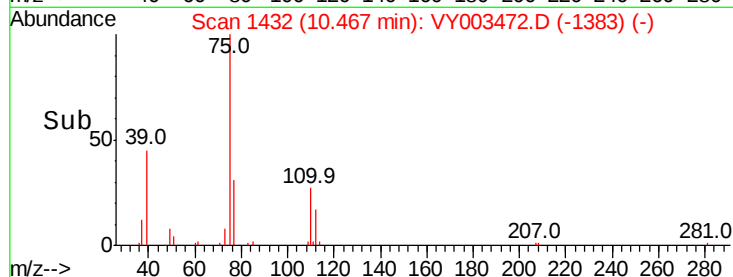
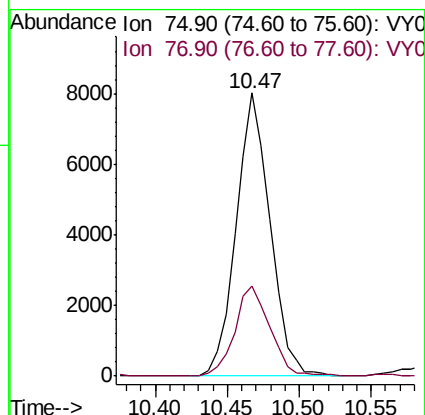
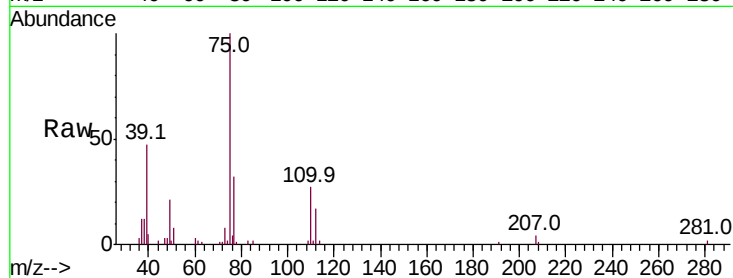
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 75 Resp: 13108

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 4.353 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

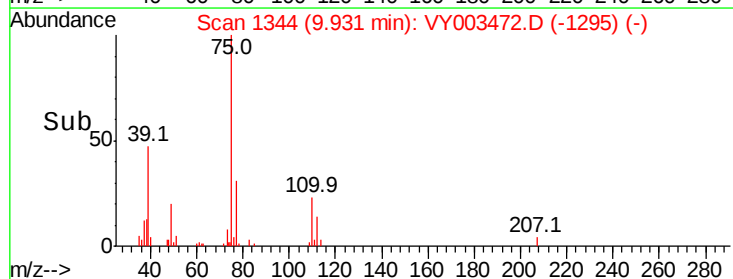
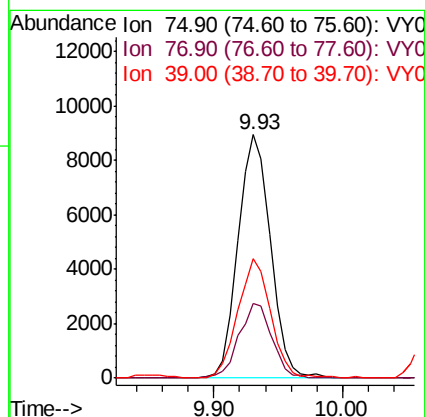
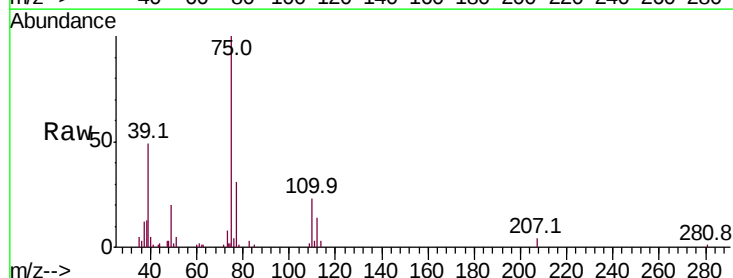
Tgt Ion: 75 Resp: 15634

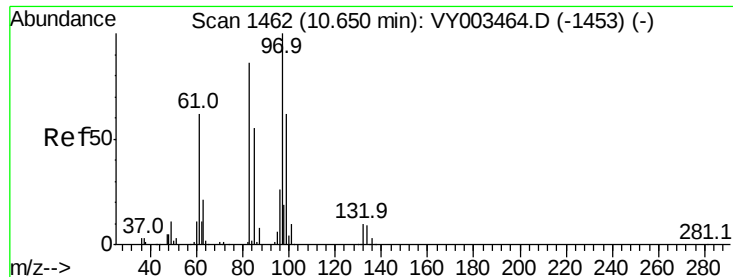
Ion Ratio Lower Upper

75 100

77 30.5 24.5 36.7

39 49.3 39.0 58.4

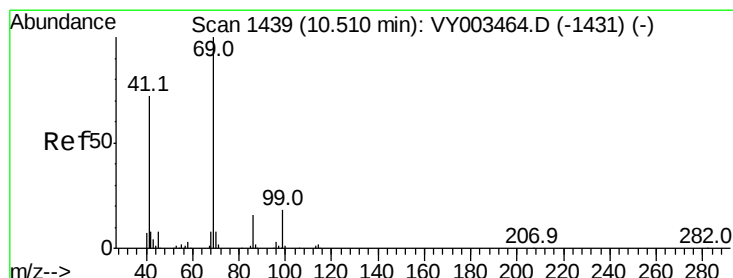
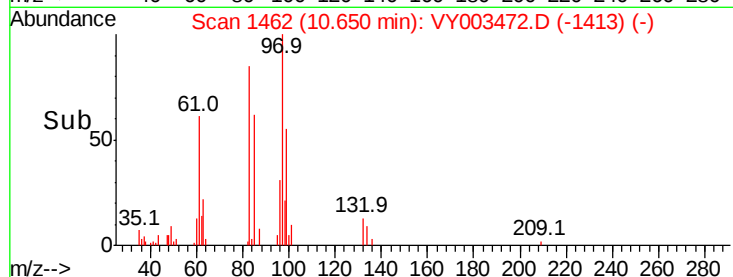
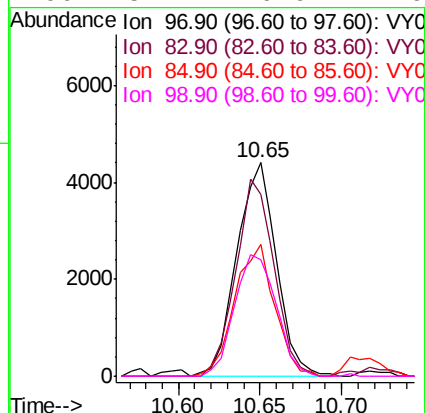
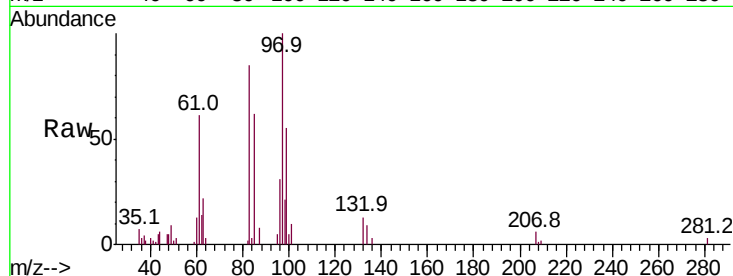




#55
 1,1,2-Trichloroethane
 Concen: 4.288 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

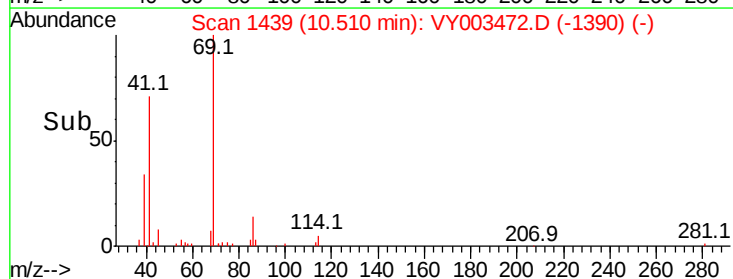
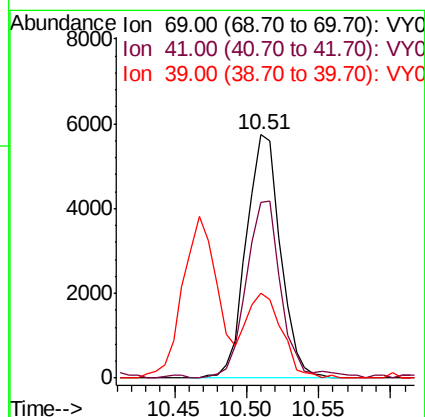
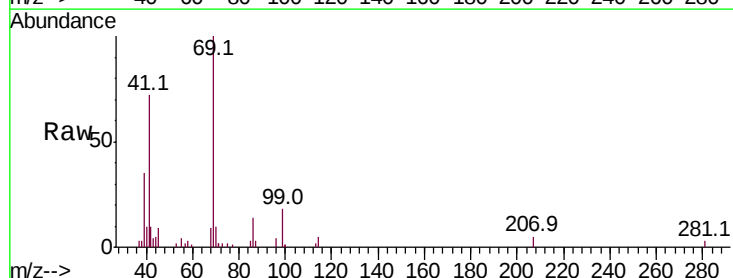
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

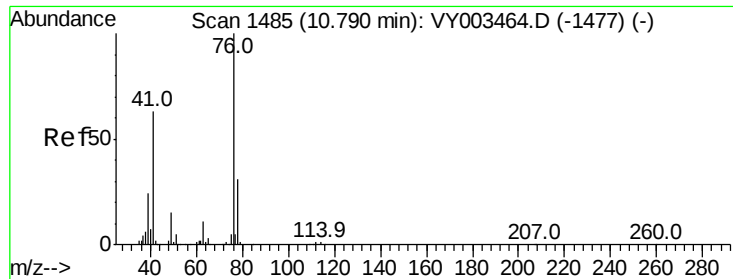
Tot Ion:	97	Resp:	7459
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.6	102.8
85	62.0	43.8	65.6
99	54.7	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 4.049 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion:	69	Resp:	9432
Ion	Ratio	Lower	Upper
69	100		
41	75.2	55.4	83.2
39	36.5	28.7	43.1





#57

1,3-Dichloropropane

Concen: 4.483 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

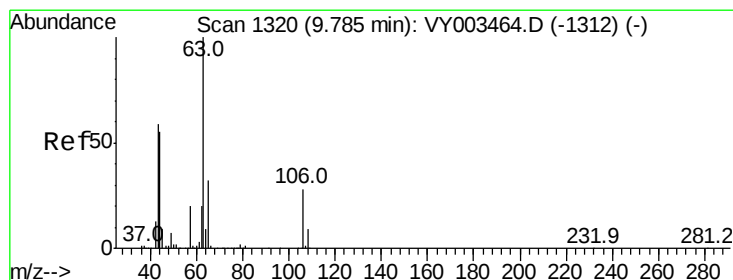
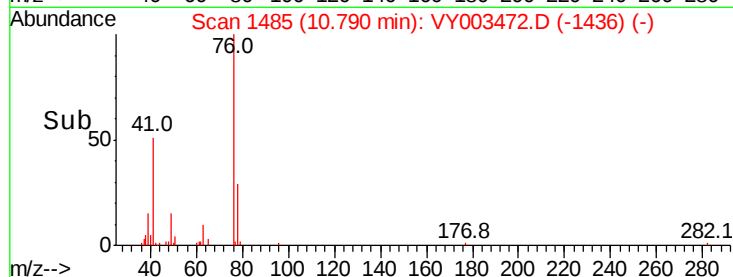
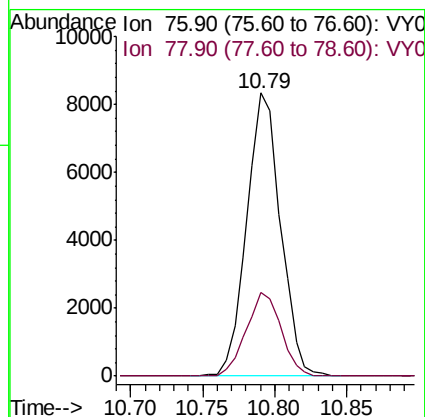
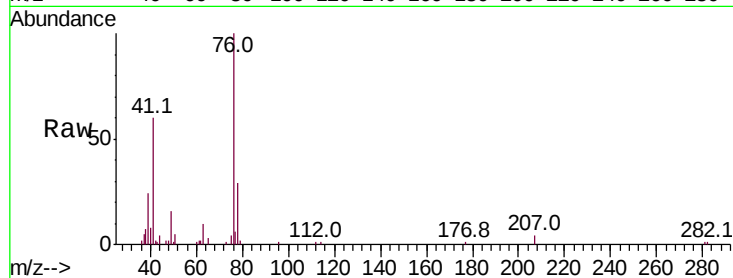
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 76 Resp: 13560

Ion Ratio Lower Upper

76 100

78 30.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 20.445 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003472.D

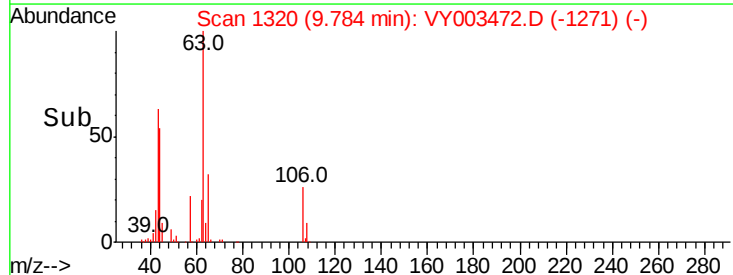
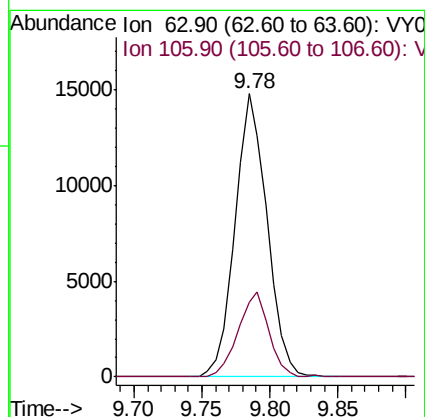
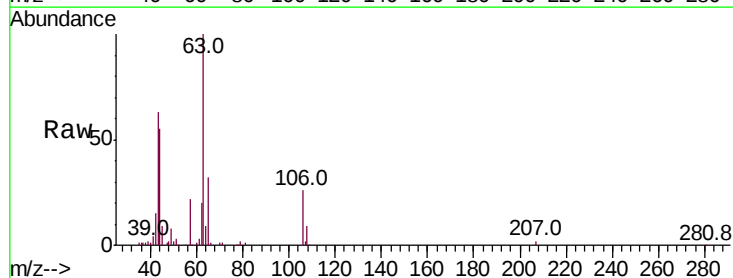
Acq: 02 Nov 2020 15:04

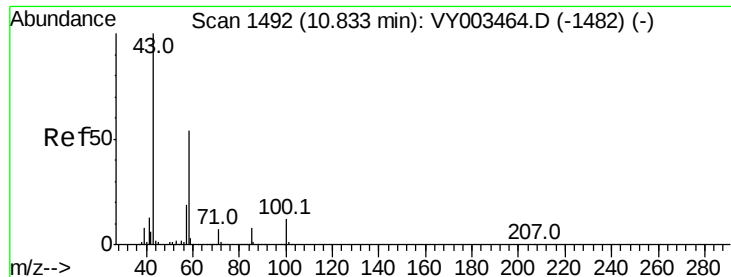
Tgt Ion: 63 Resp: 24147

Ion Ratio Lower Upper

63 100

106 28.5 22.3 33.5

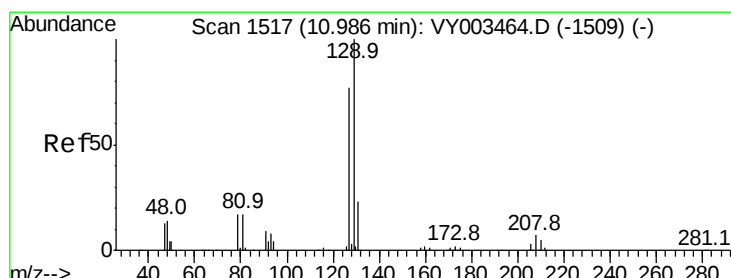
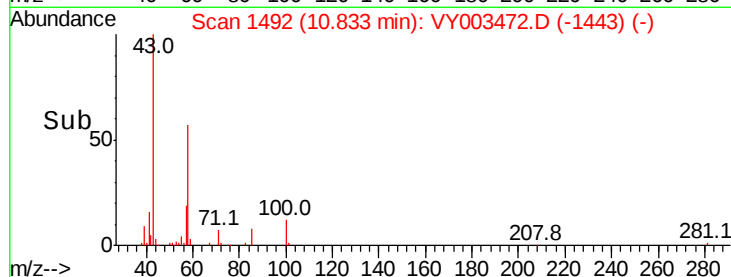
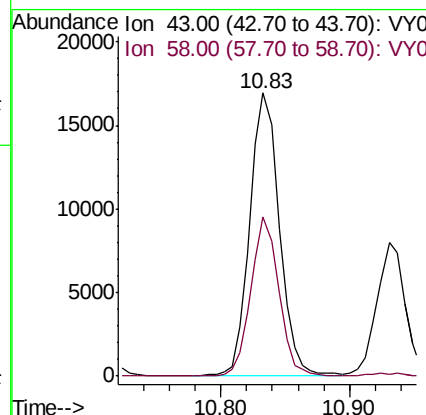
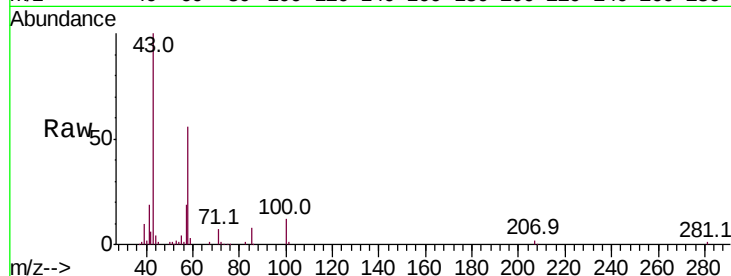




#59
2-Hexanone
Concen: 19.278 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

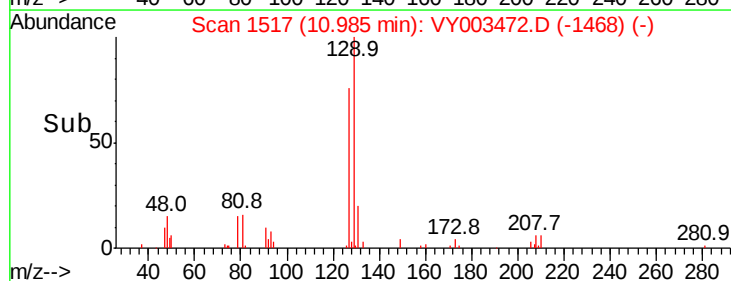
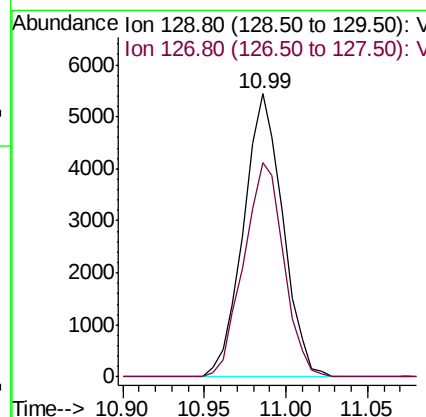
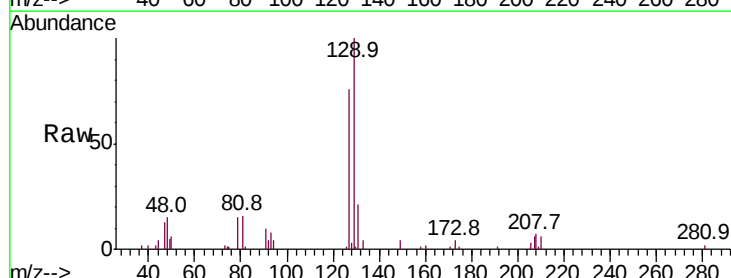
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

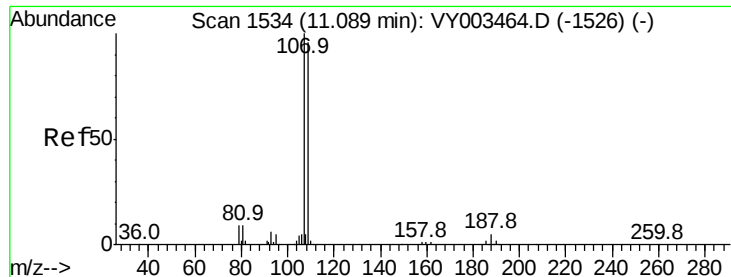
Tot Ion: 43 Resp: 26895
Ion Ratio Lower Upper
43 100
58 52.7 26.8 80.3



#60
Dibromochloromethane
Concen: 4.282 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 129 Resp: 9155
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3

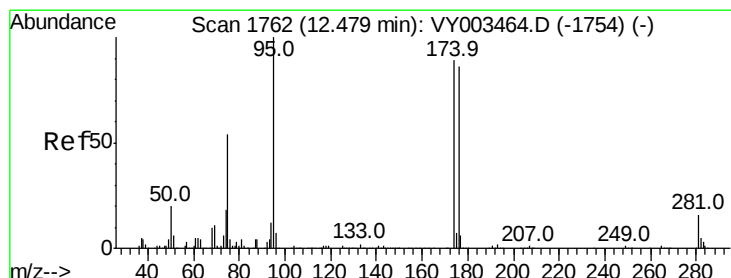
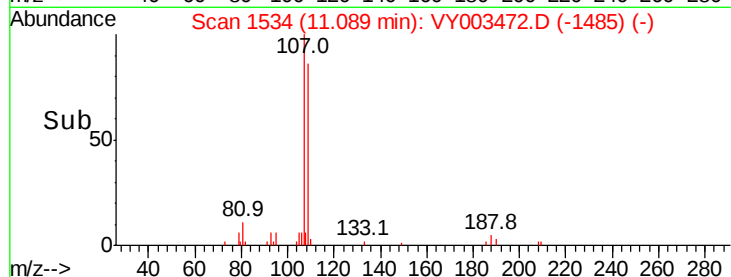
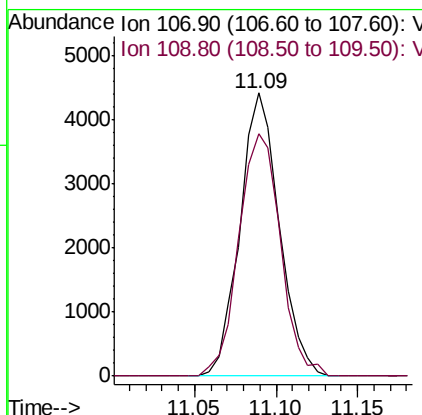
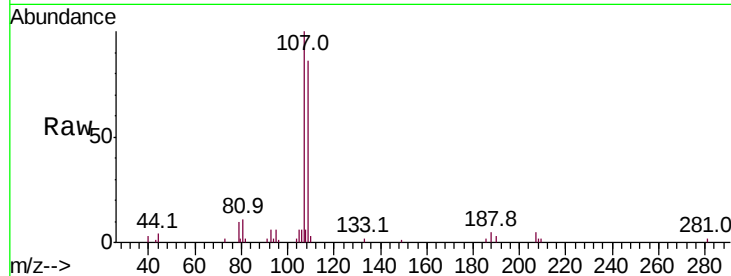




#61
 1,2-Dibromoethane
 Concen: 4.427 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

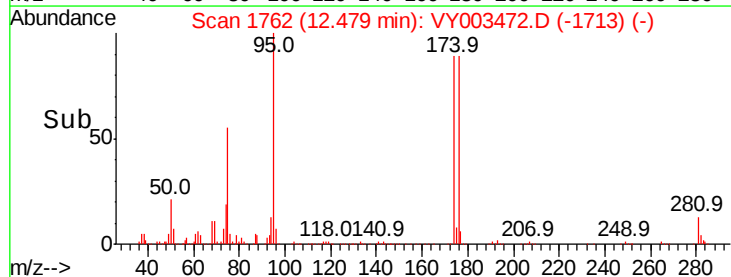
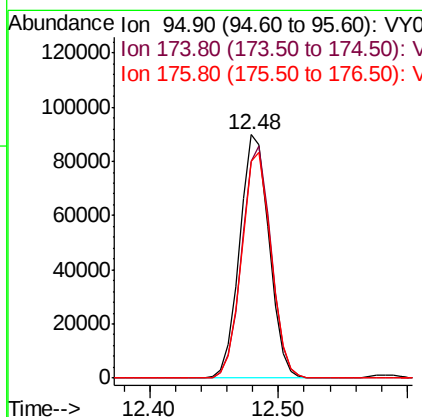
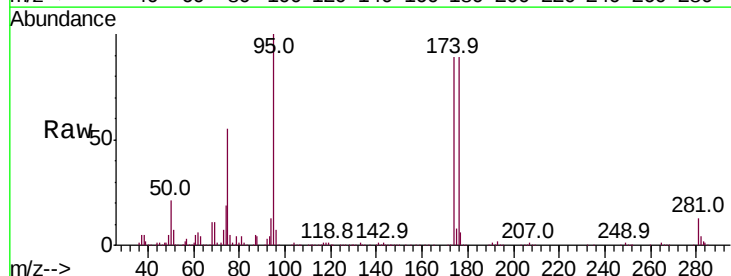
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

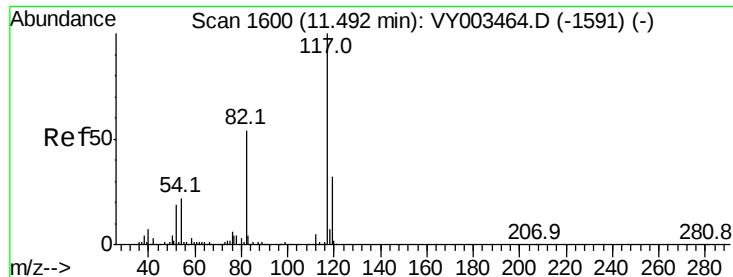
Tot Ion:107 Resp: 7433
 Ion Ratio Lower Upper
 107 100
 109 90.5 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 50.209 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion: 95 Resp: 141550
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 193.0
 176 92.5 0.0 187.4

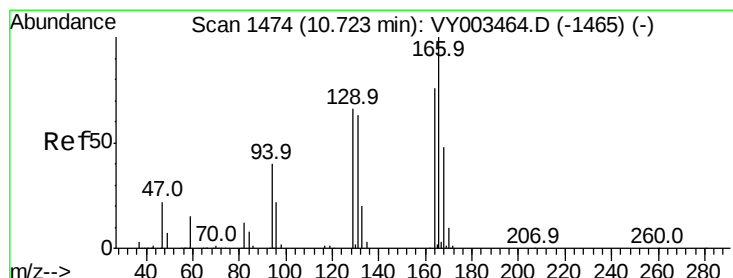
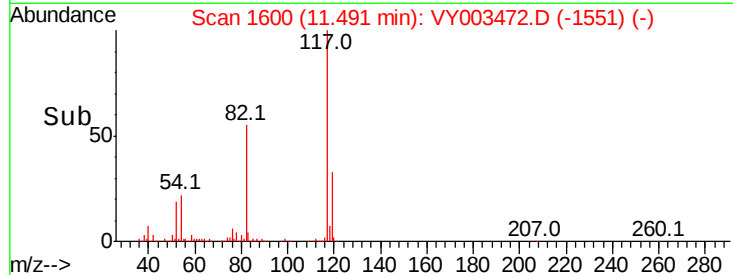
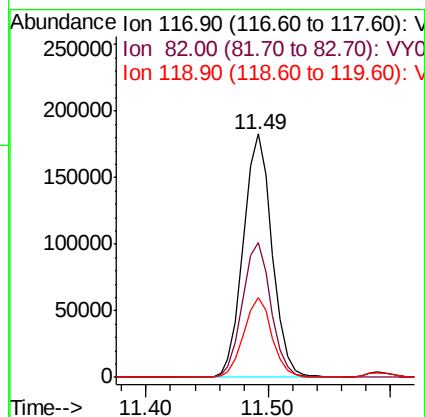
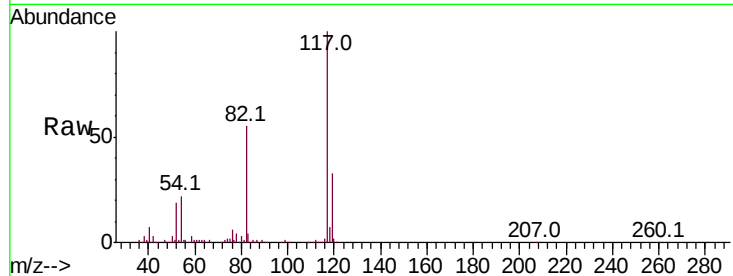




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

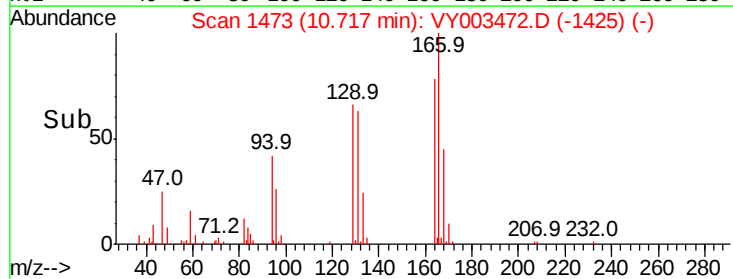
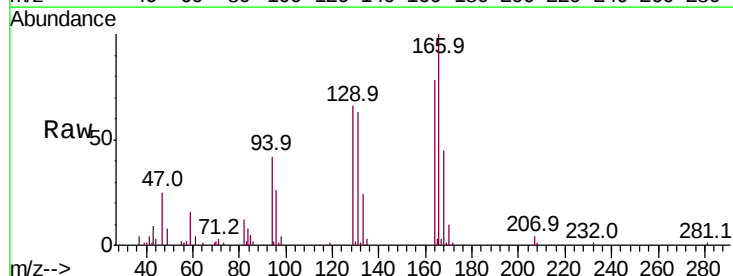
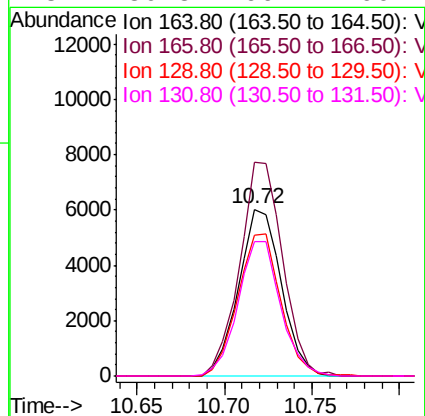
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

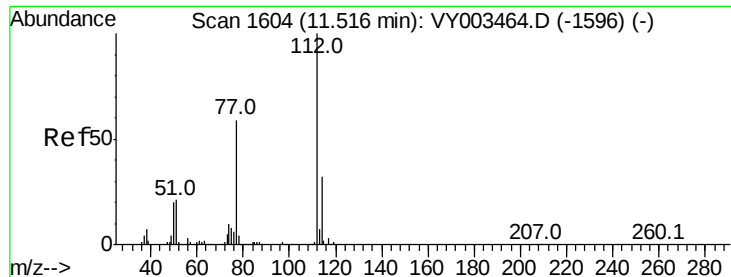
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.2
119	32.6	25.8	38.6



#64
Tetrachloroethene
Concen: 4.593 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	104.9	157.3
129	84.2	68.9	103.3
131	80.8	66.2	99.2





#65

Chlorobenzene

Concen: 4.504 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

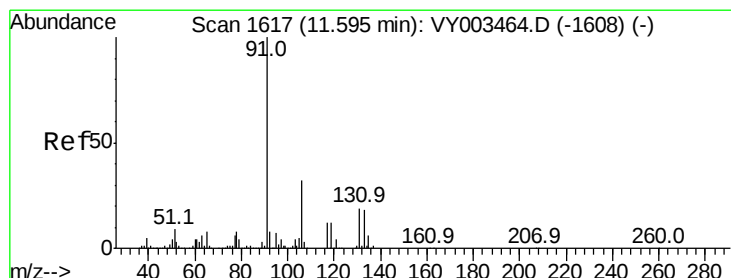
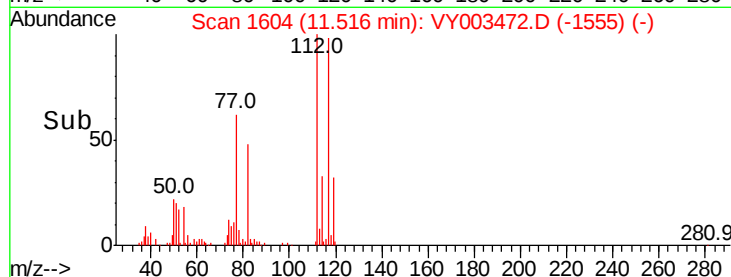
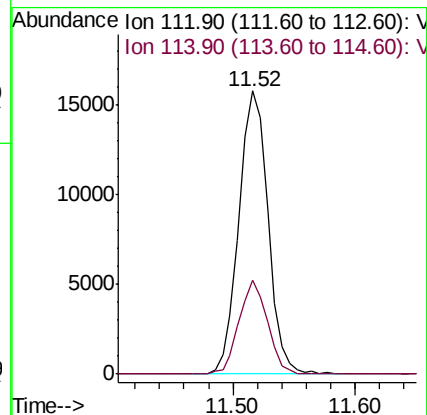
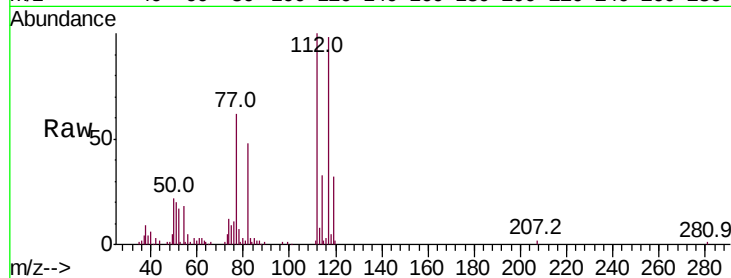
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:112 Resp: 26029

Ion Ratio Lower Upper

112 100

114 33.1 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 4.469 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

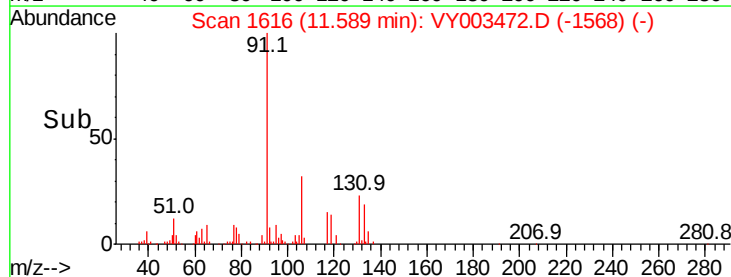
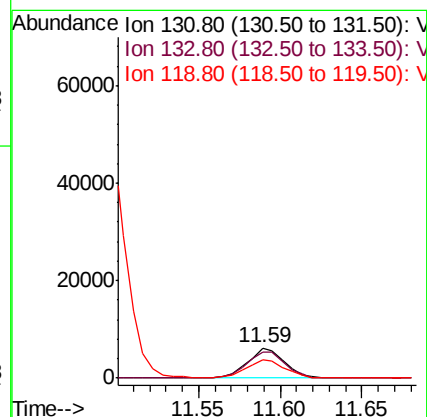
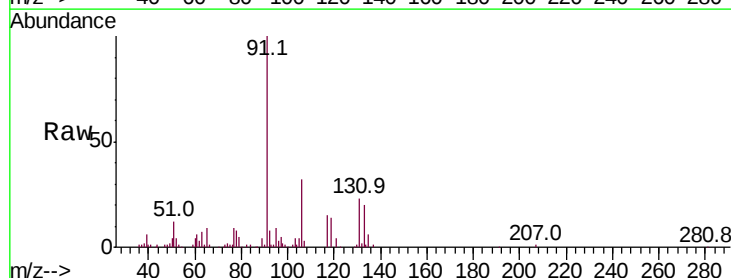
Tgt Ion:131 Resp: 9740

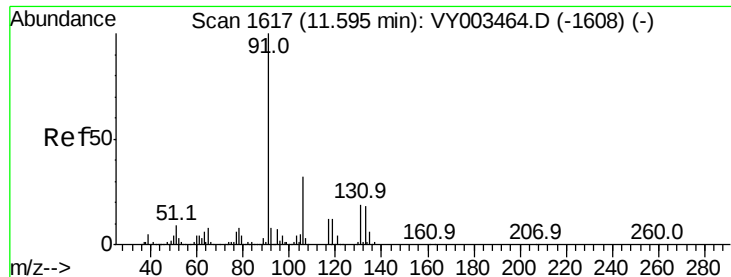
Ion Ratio Lower Upper

131 100

133 92.8 47.4 142.2

119 62.6 31.6 95.0

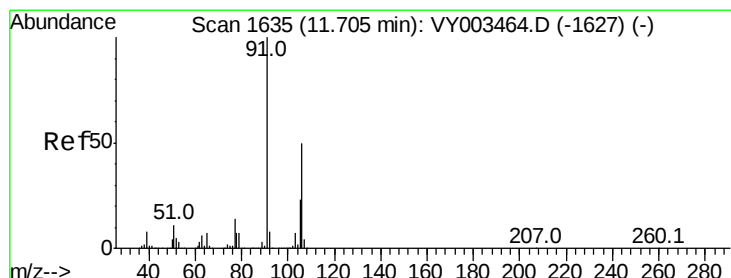
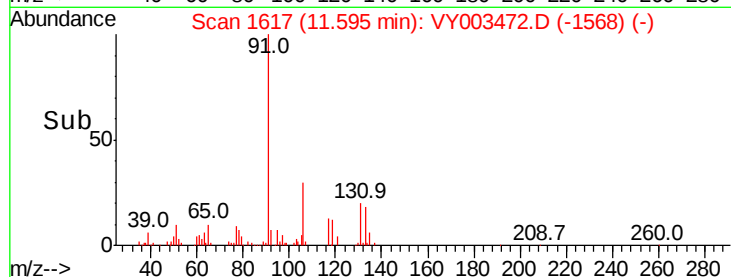
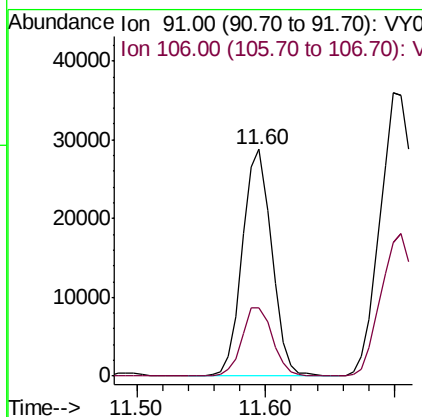
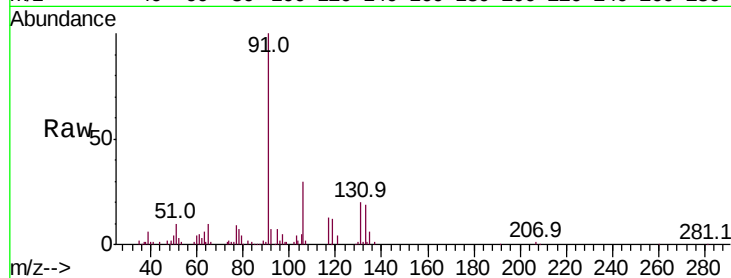




#67
Ethyl Benzene
Concen: 4.330 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

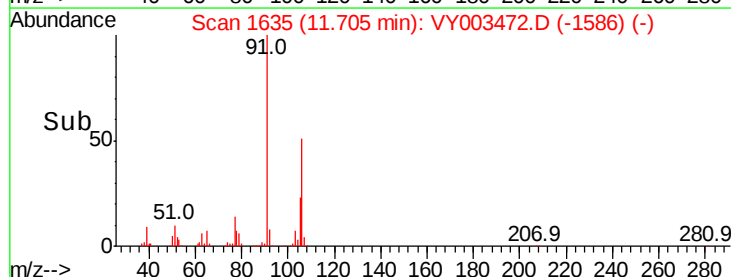
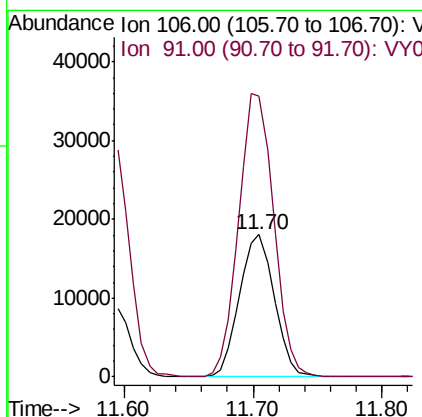
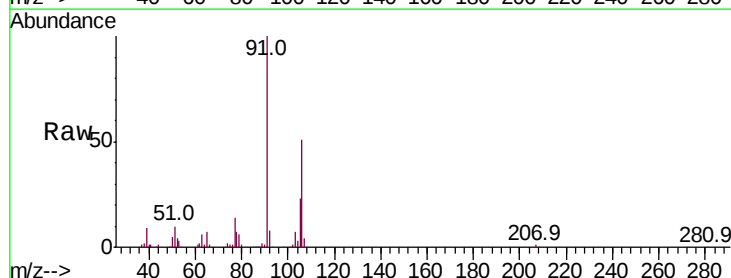
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

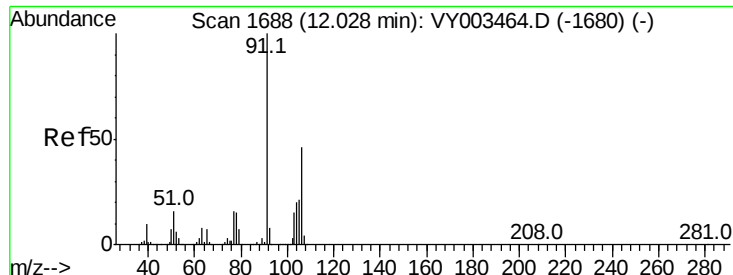
Tot Ion: 91 Resp: 45373
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0



#68
m/p-Xylenes
Concen: 8.544 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 106 Resp: 33931
Ion Ratio Lower Upper
106 100
91 200.8 161.0 241.6

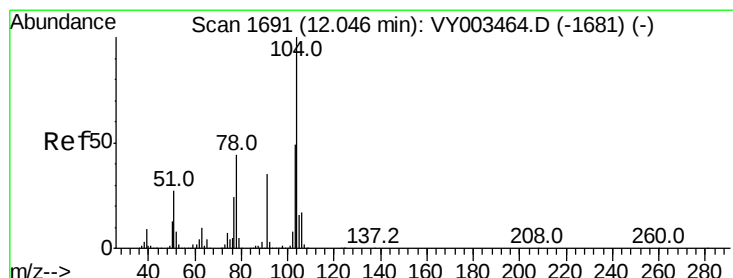
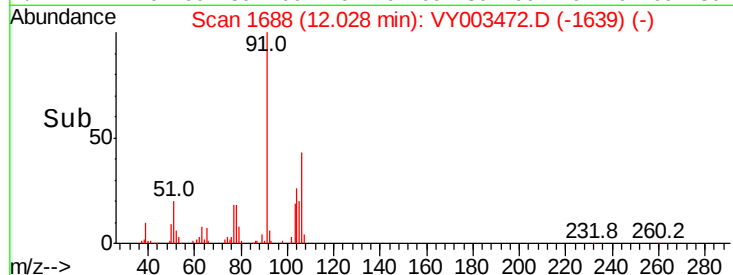
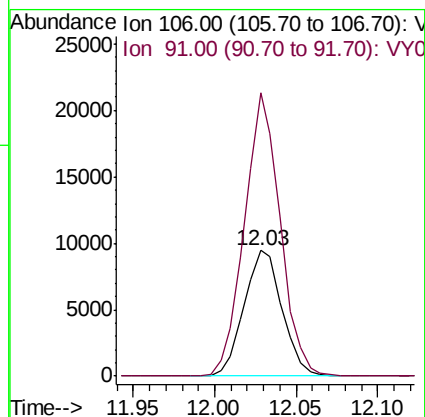
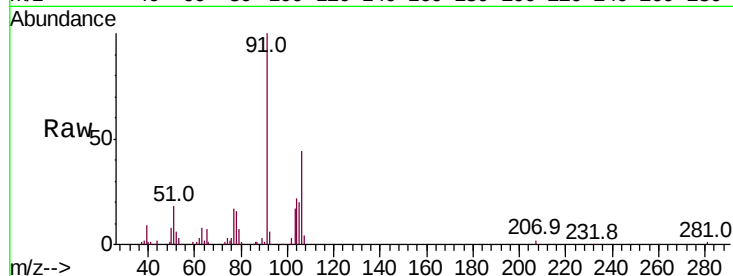




#69
o-Xylene
Concen: 4.201 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

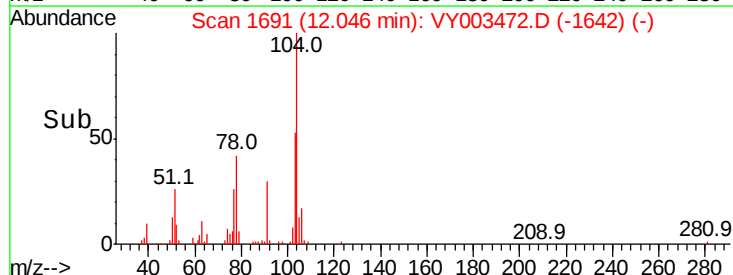
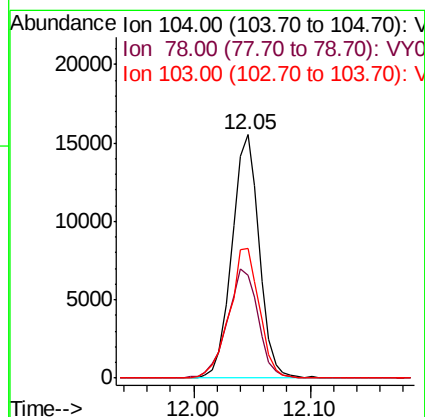
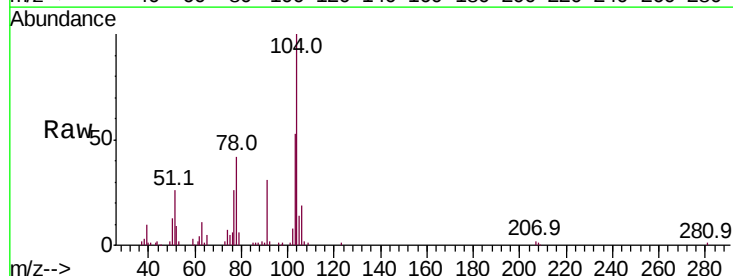
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

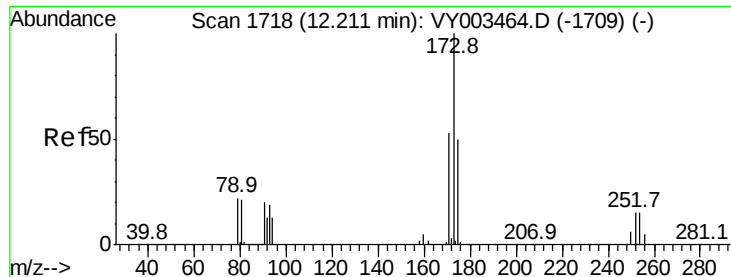
Tot Ion:106 Resp: 15345
Ion Ratio Lower Upper
106 100
91 212.3 105.5 316.5



#70
Styrene
Concen: 4.072 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion:104 Resp: 25257
Ion Ratio Lower Upper
104 100
78 50.5 39.5 59.3
103 58.2 44.2 66.2





#71

Bromoform

Concen: 4.099 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

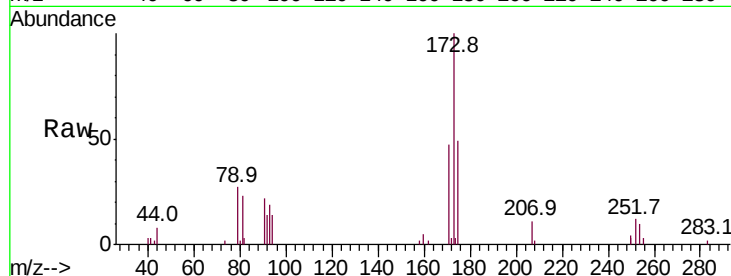
Tot Ion:173 Resp: 5955

Ion Ratio Lower Upper

173 100

175 50.0 24.7 74.1

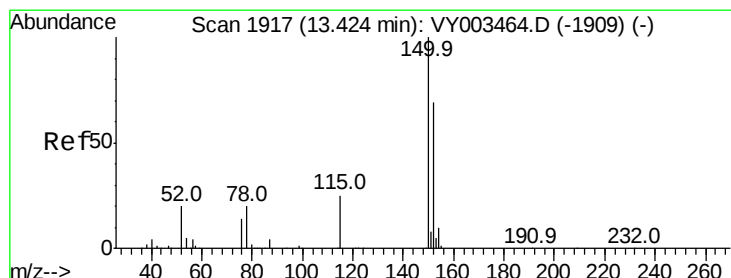
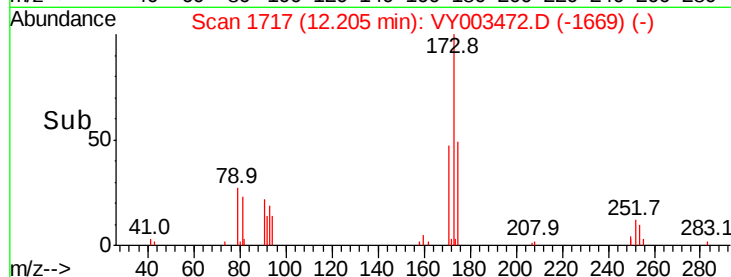
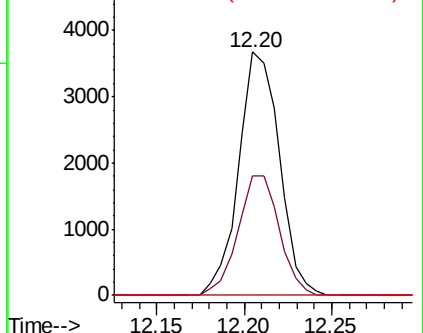
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

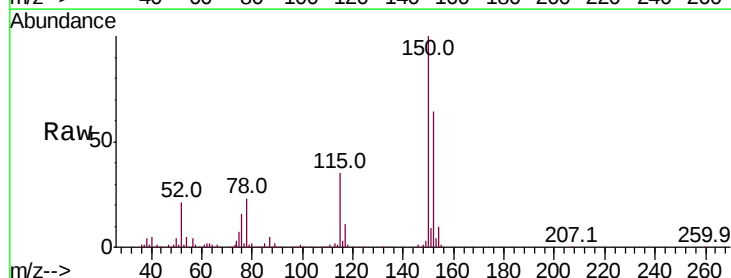
Tgt Ion:152 Resp: 149125

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

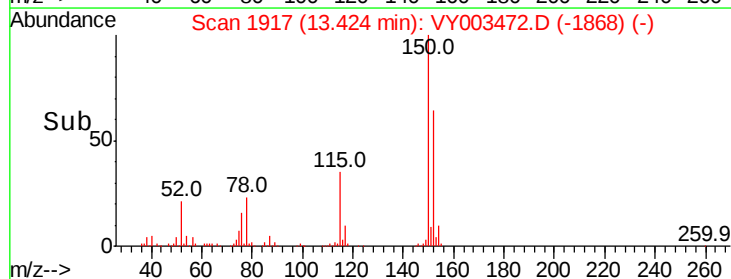
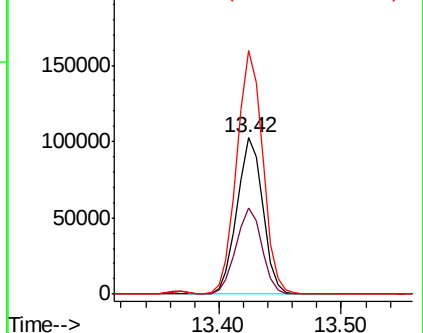
150 157.6 0.0 345.8

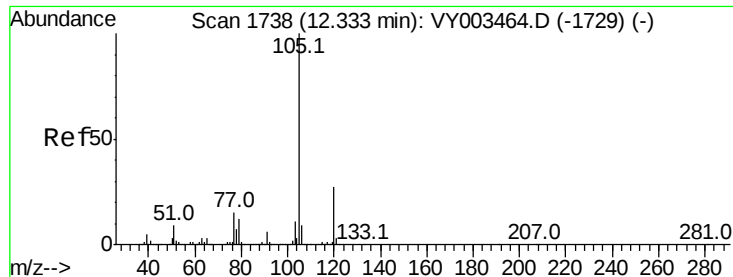


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.355 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

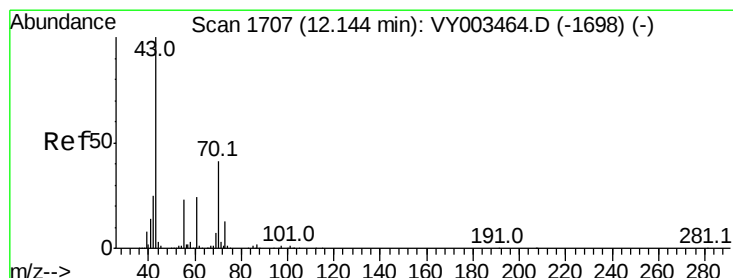
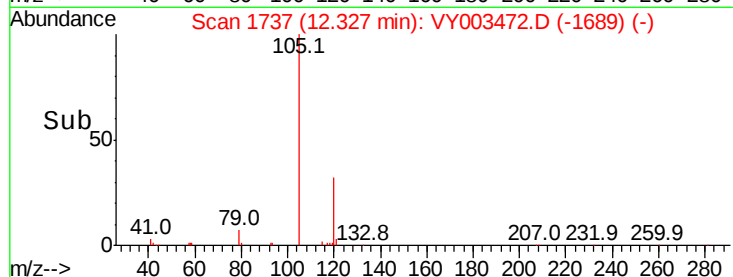
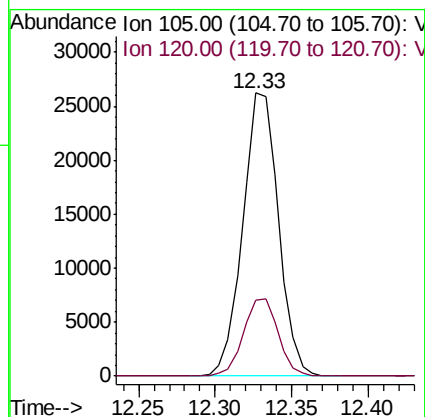
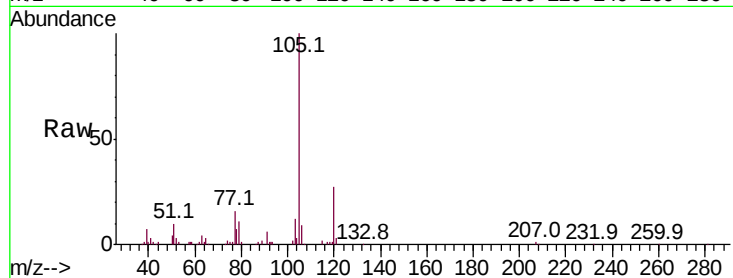
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:105 Resp: 42425

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 4.007 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Tgt Ion: 43 Resp: 11057

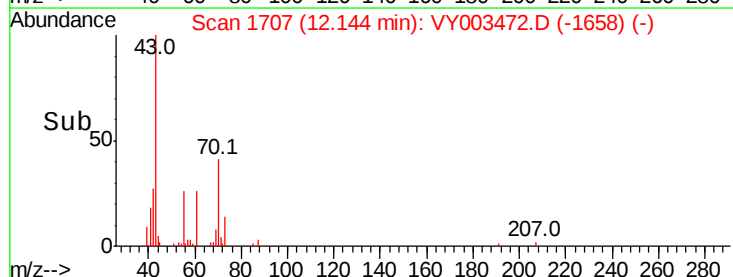
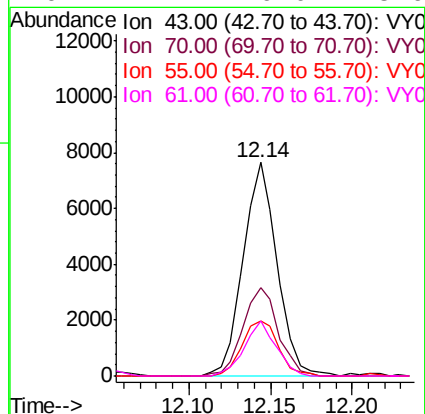
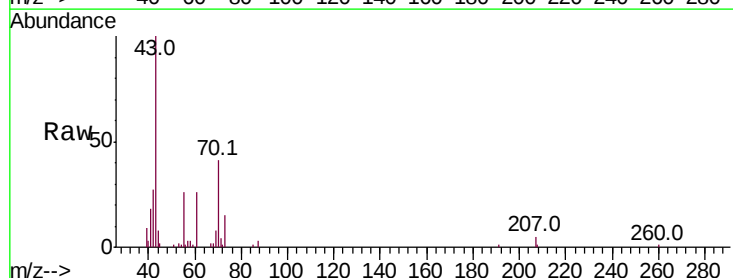
Ion Ratio Lower Upper

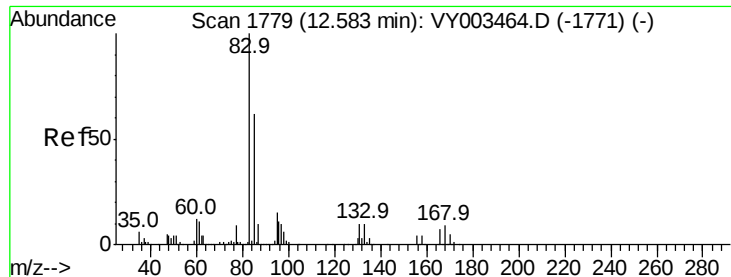
43 100

70 43.1 33.1 49.7

55 27.7 19.2 28.8

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.446 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

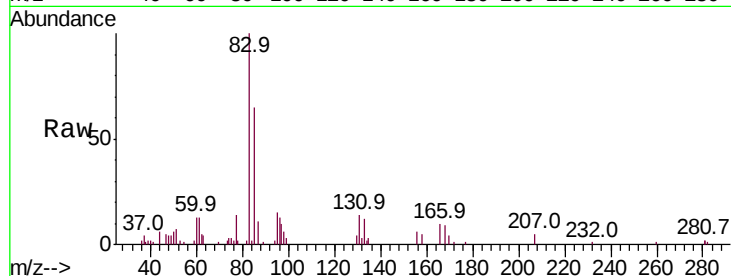
Tot Ion: 83 Resp: 9250

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

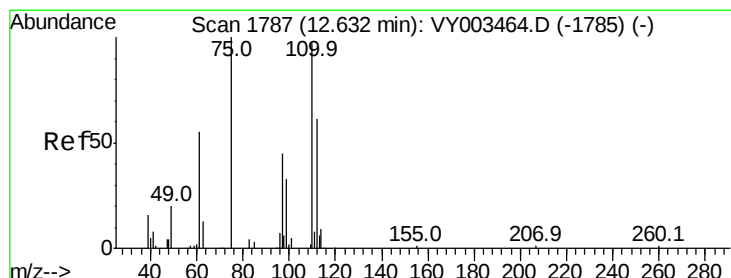
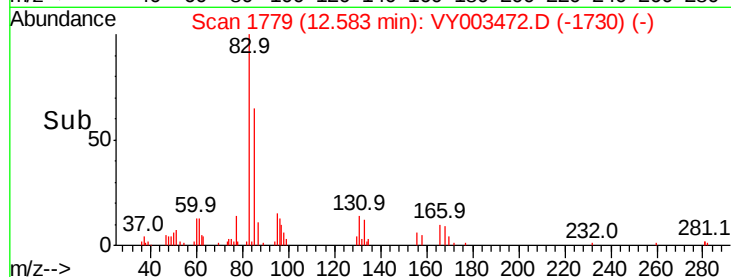
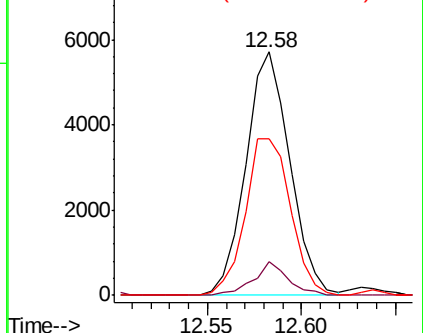
85 66.2 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VY003464.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY003464.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY003464.D (-1771) (-)



#76

1,2,3-Trichloropropane

Concen: 8.327 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003472.D

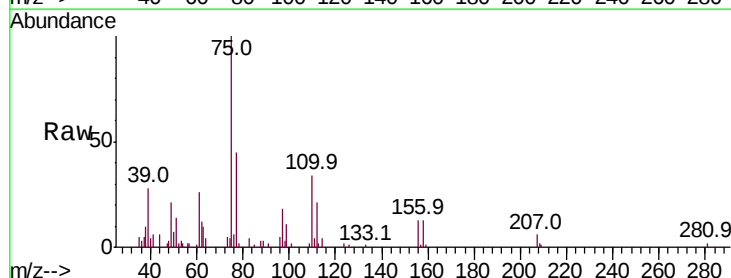
Acq: 02 Nov 2020 15:04

Tgt Ion: 75 Resp: 13139

Ion Ratio Lower Upper

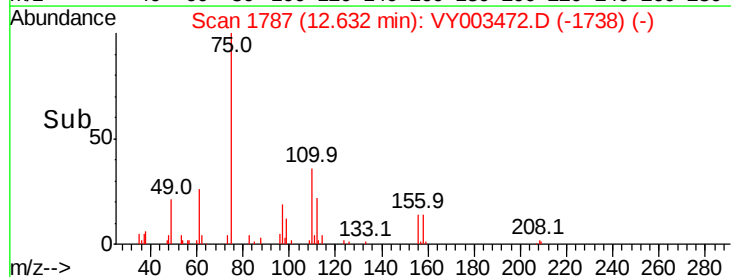
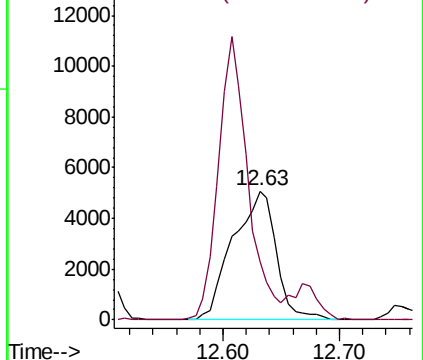
75 100

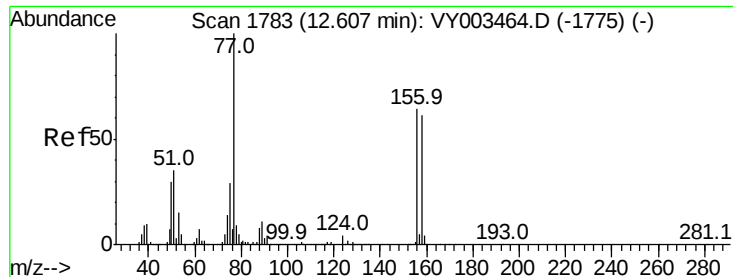
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY003464.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY003464.D (-1785) (-)

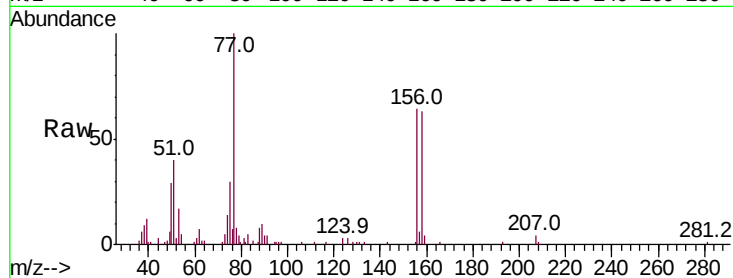




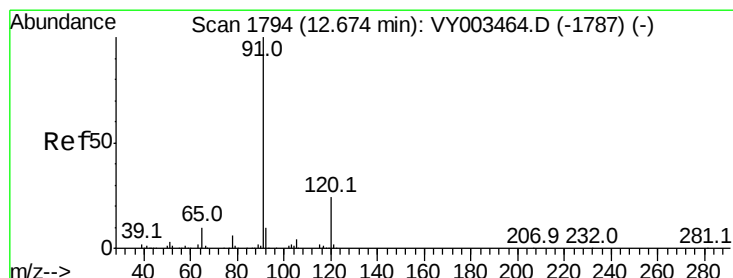
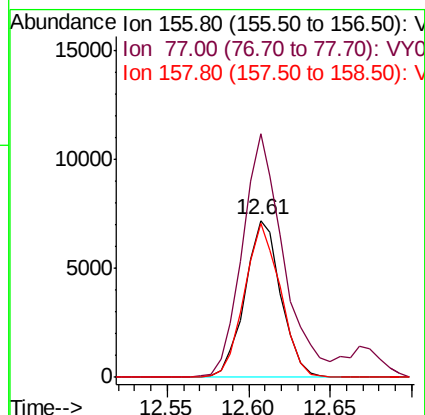
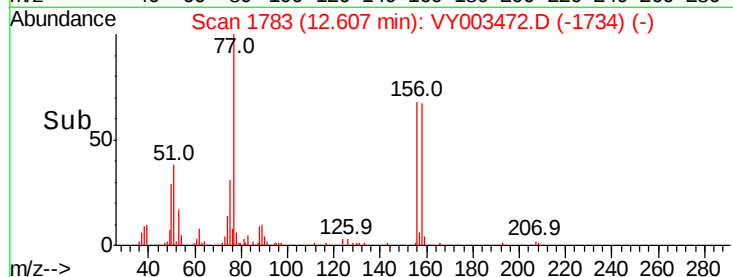
#77
Bromobenzene
Concen: 4.473 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:156 Resp: 11071
Ion Ratio Lower Upper
156 100
77 176.9 87.0 260.9
158 98.2 48.7 146.1

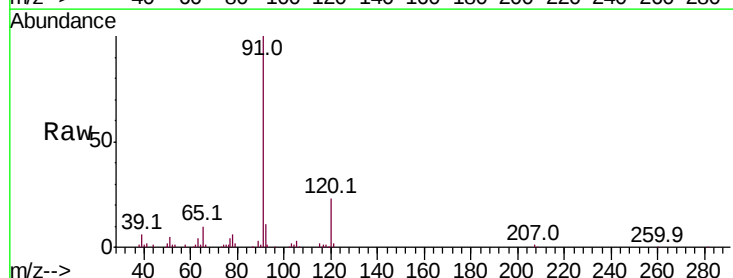


Abundance Ion 155.80 (155.50 to 156.50): V
15000
Ion 77.00 (76.70 to 77.30): VY0
Ion 157.80 (157.50 to 158.50): V

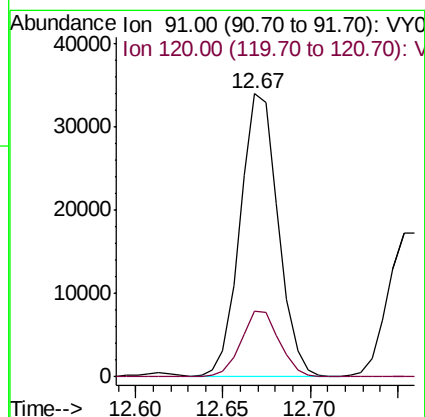
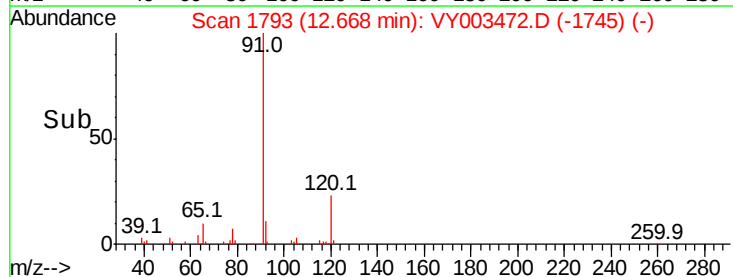


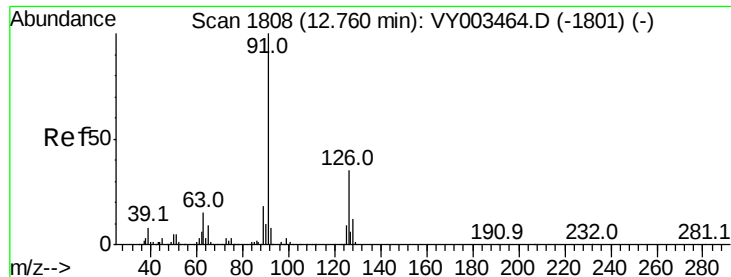
#78
n-propylbenzene
Concen: 4.487 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.01 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 91 Resp: 51483
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.30): VY0
40000
Ion 120.00 (119.70 to 120.30): V

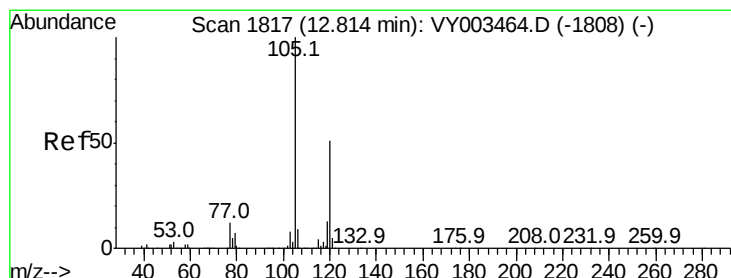
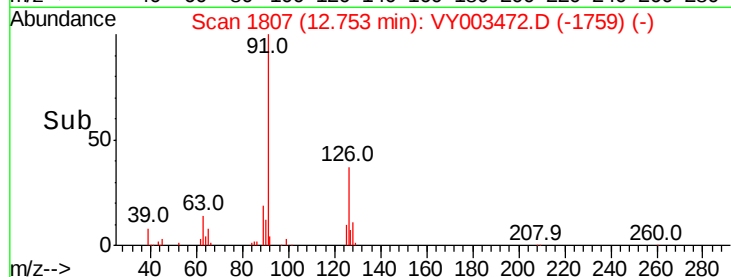
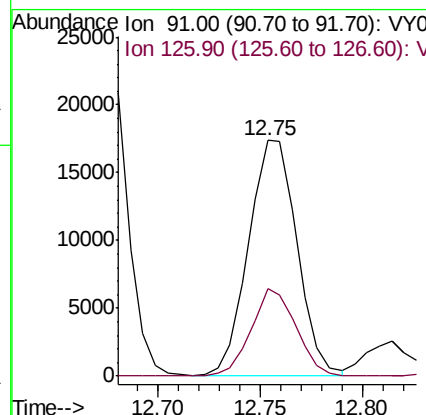
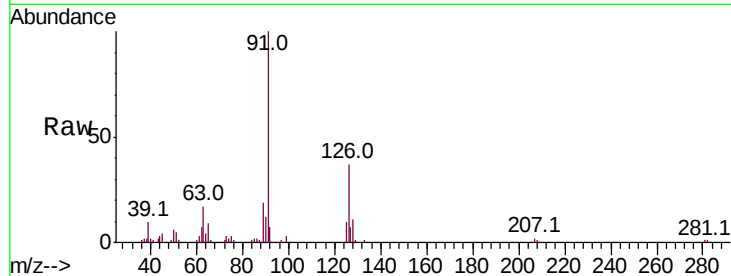




#79
 2-Chlorotoluene
 Concen: 4.497 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

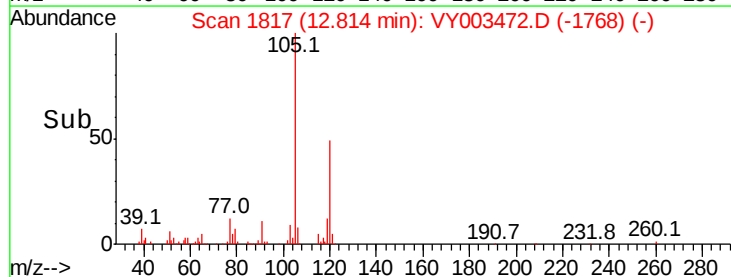
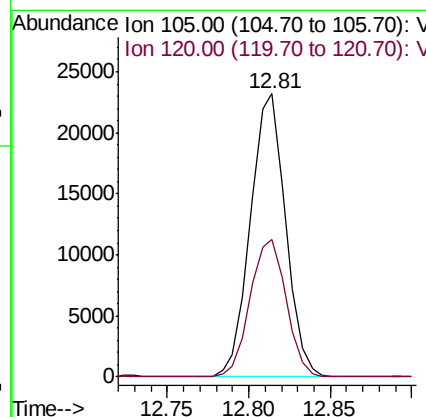
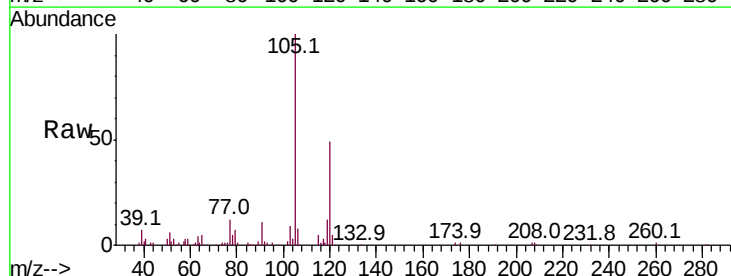
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

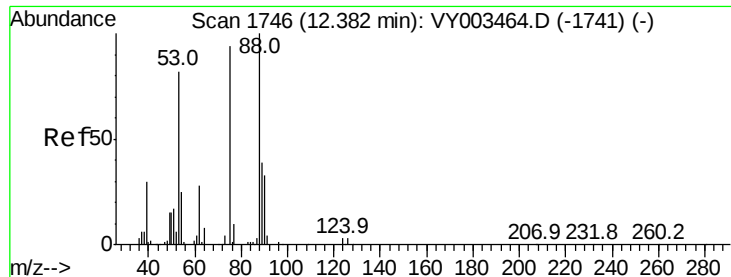
Tot Ion: 91 Resp: 28831
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 4.322 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion: 105 Resp: 34882
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 4.453 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

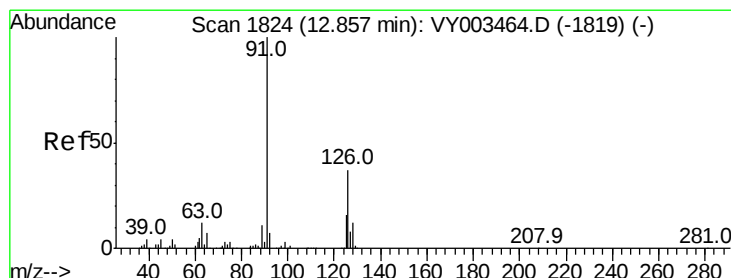
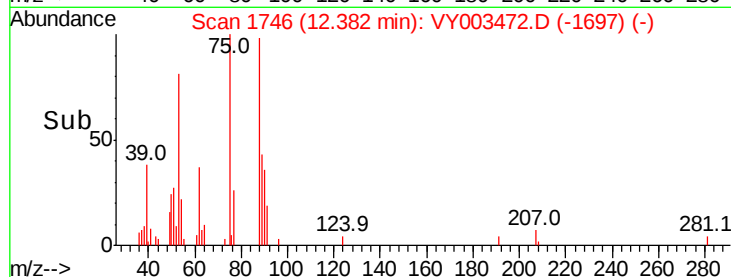
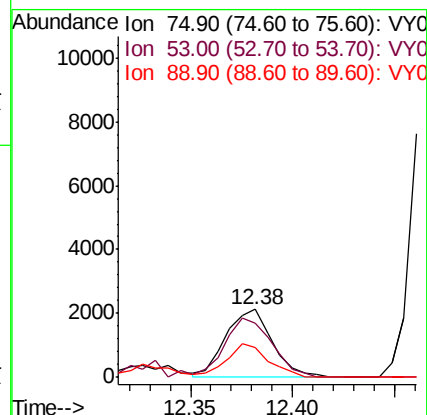
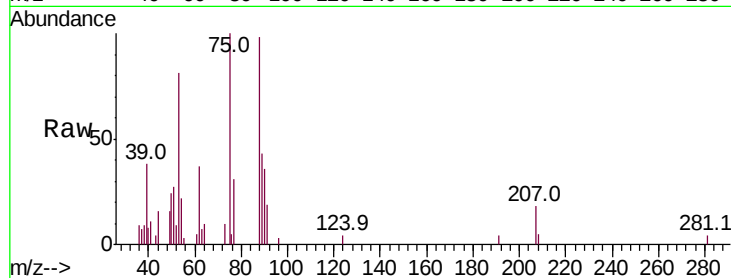
Tot Ion: 75 Resp: 3366

Ion Ratio Lower Upper

75 100

53 88.0 74.7 112.1

89 43.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 4.470 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY003472.D

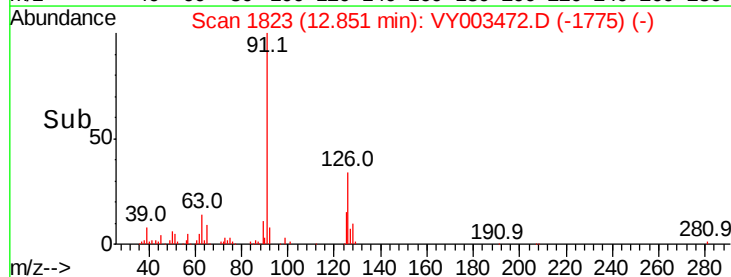
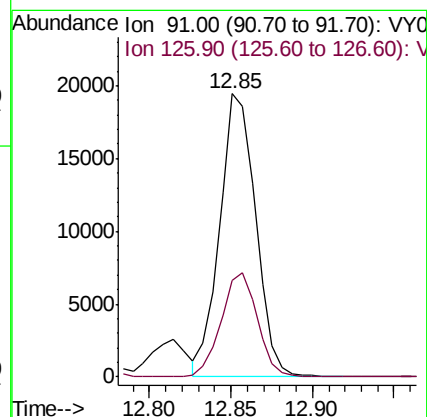
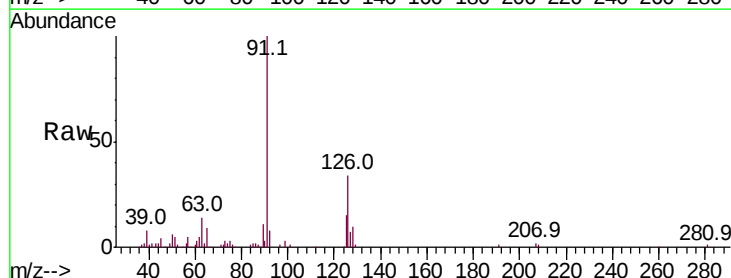
Acq: 02 Nov 2020 15:04

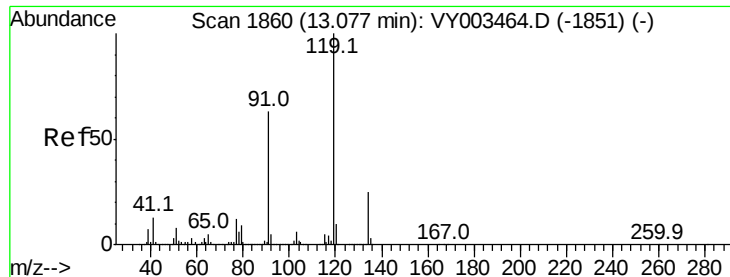
Tgt Ion: 91 Resp: 29944

Ion Ratio Lower Upper

91 100

126 36.9 17.6 52.8





#83

tert-Butylbenzene

Concen: 4.486 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

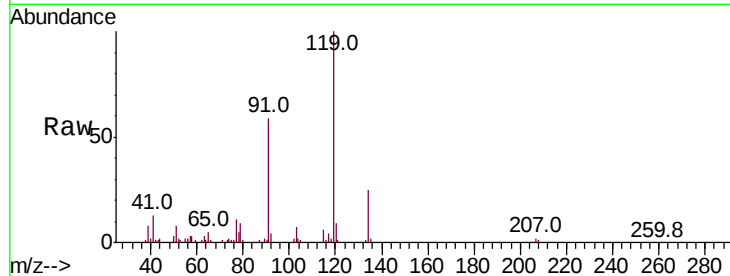
Tot Ion:119 Resp: 32114

Ion Ratio Lower Upper

119 100

91 59.2 31.1 93.2

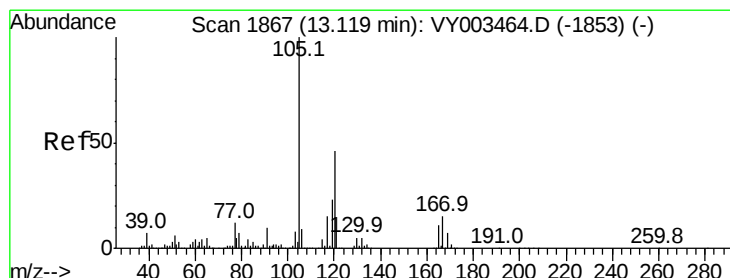
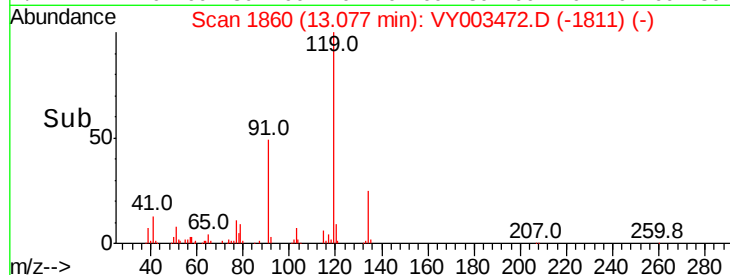
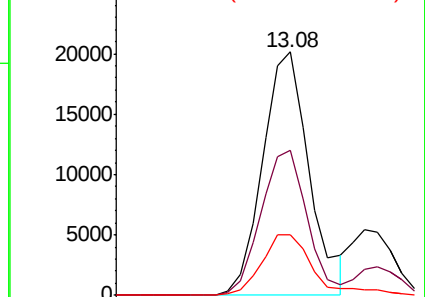
134 27.9 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.185 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003472.D

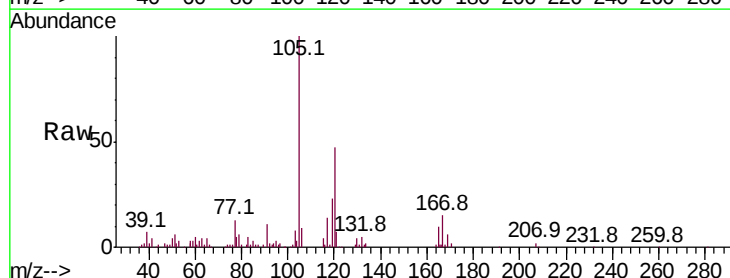
Acq: 02 Nov 2020 15:04

Tgt Ion:105 Resp: 33762

Ion Ratio Lower Upper

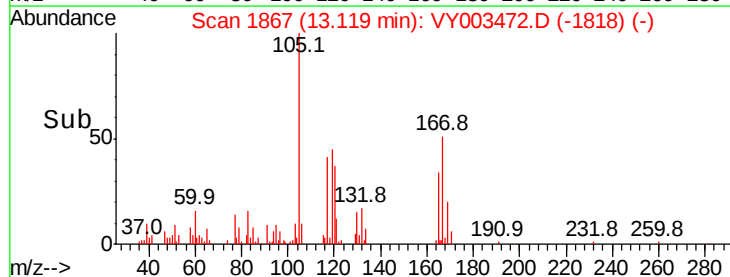
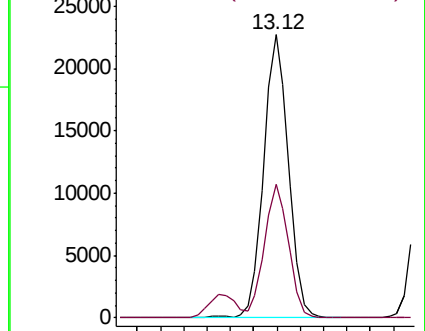
105 100

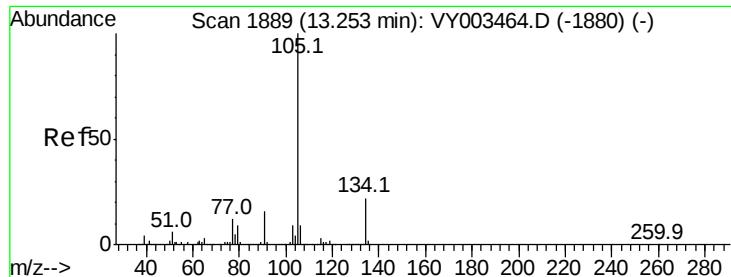
120 45.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.356 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

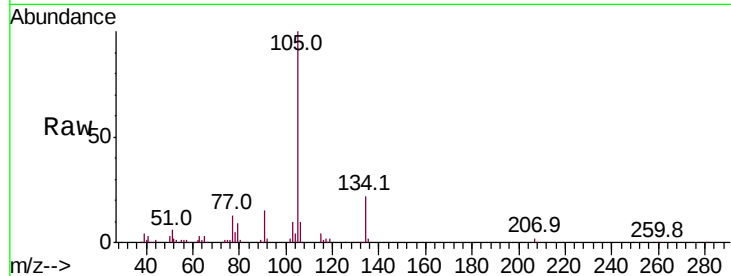
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:105 Resp: 42219

Ion Ratio Lower Upper

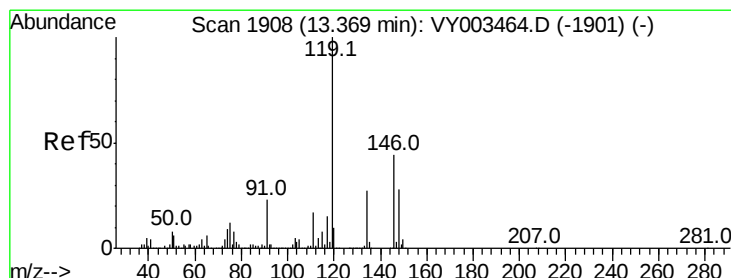
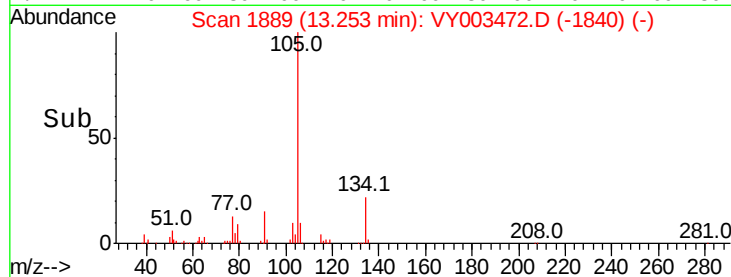
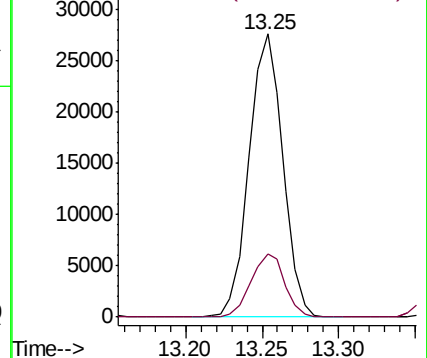
105 100

134 22.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.163 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

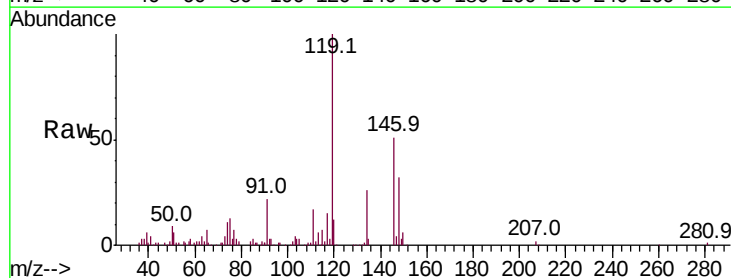
Tgt Ion:119 Resp: 37425

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

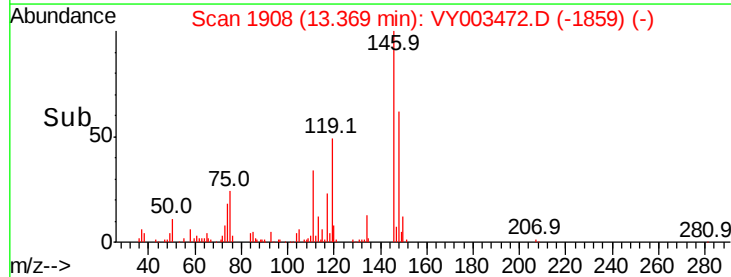
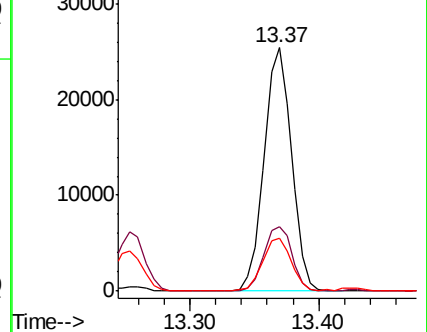
91 22.7 11.4 34.2

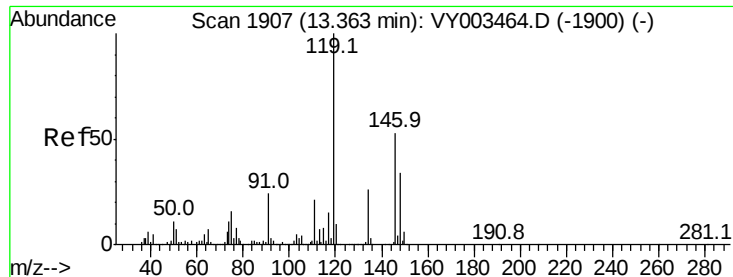


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 4.481 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

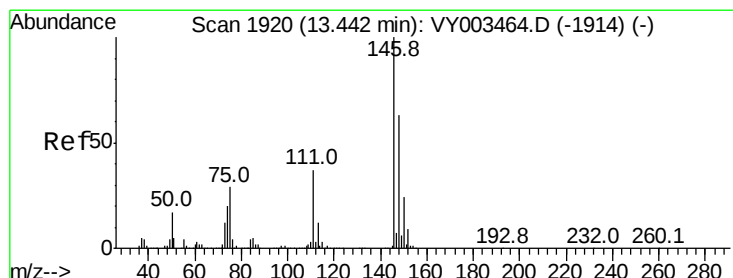
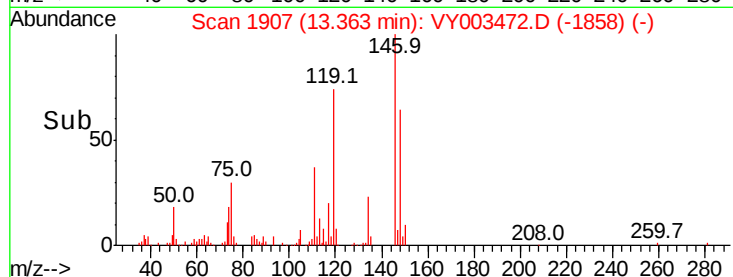
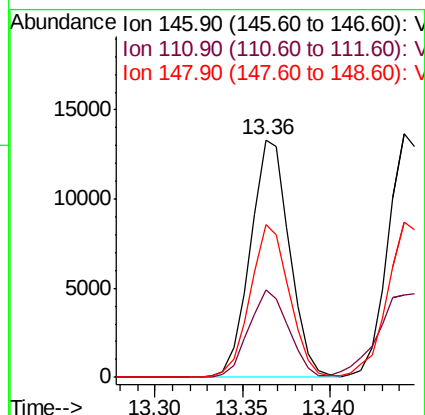
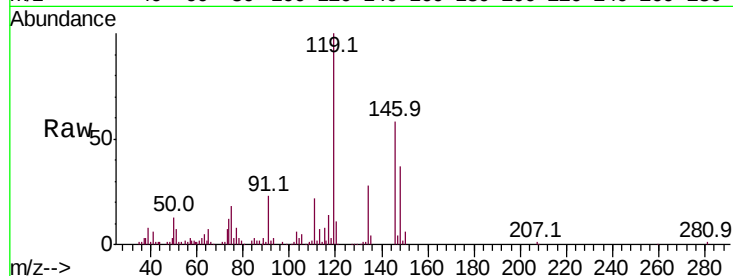
Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:146 Resp: 20658

Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	64.3	32.4	97.0



#88

1,4-Dichlorobenzene

Concen: 4.622 ug/l

RT: 13.44 min Scan# 1920

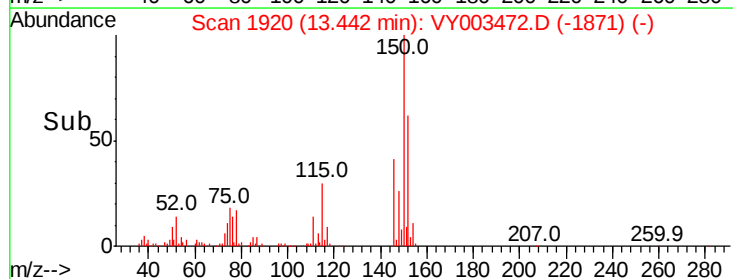
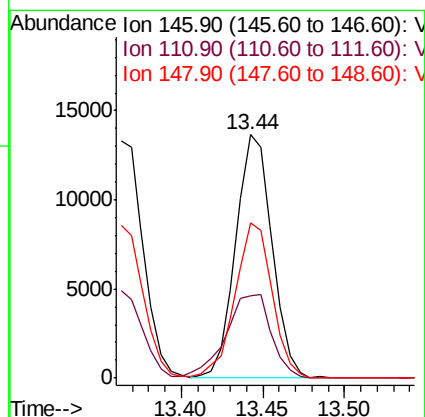
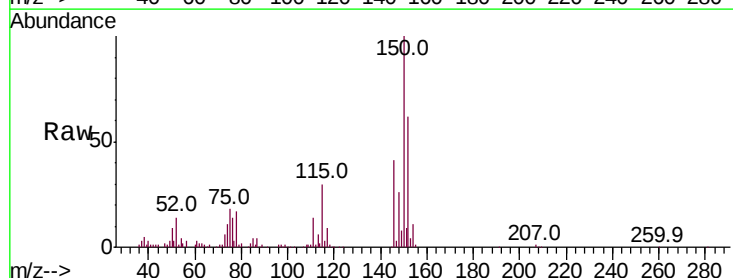
Delta R.T. -0.00 min

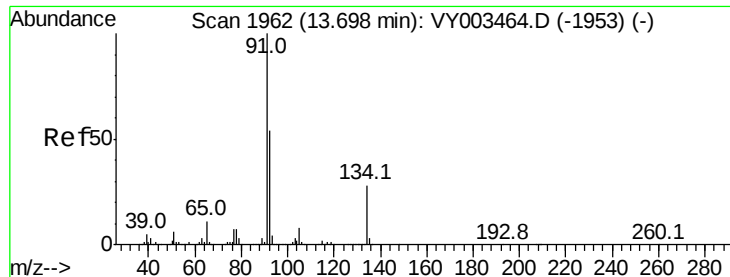
Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Tgt Ion:146 Resp: 21190

Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.3	54.8
148	65.3	32.0	96.0

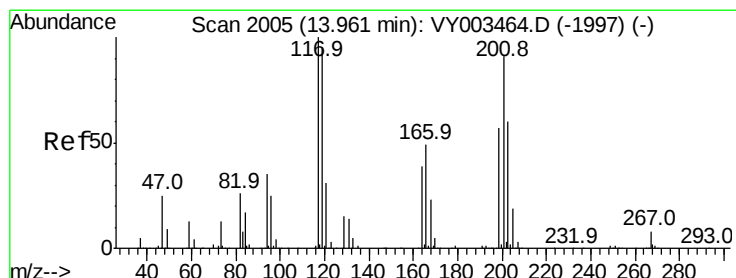
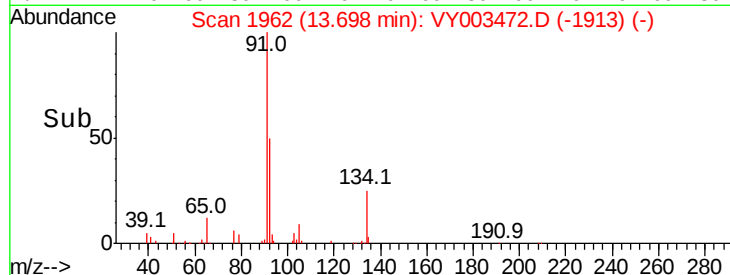
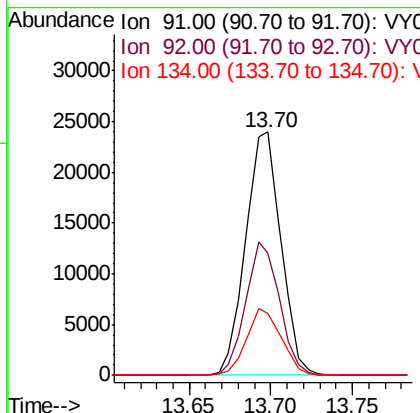
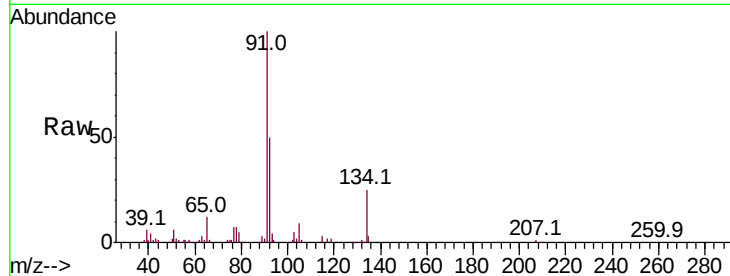




#89
n-Butylbenzene
Concen: 4.410 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

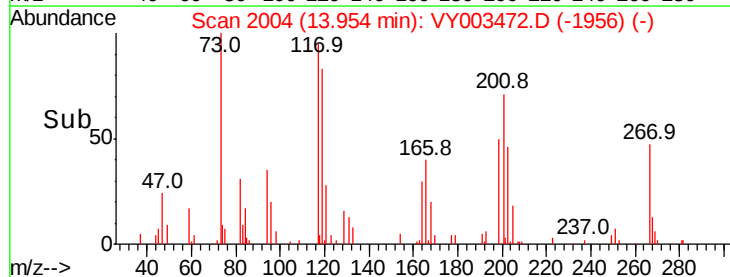
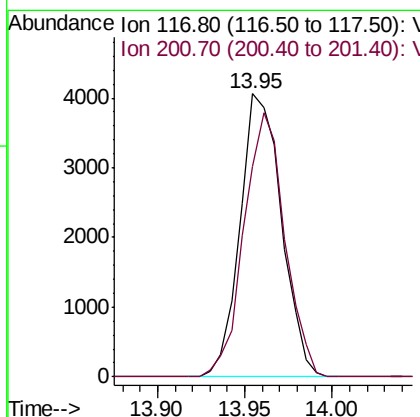
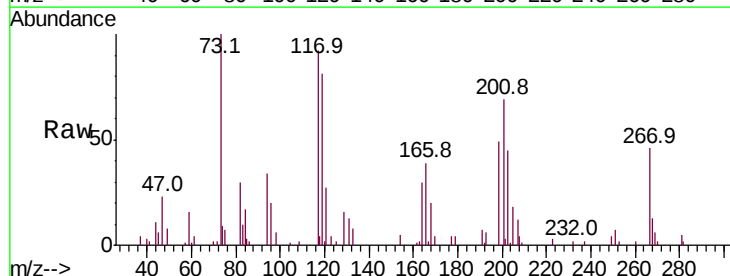
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

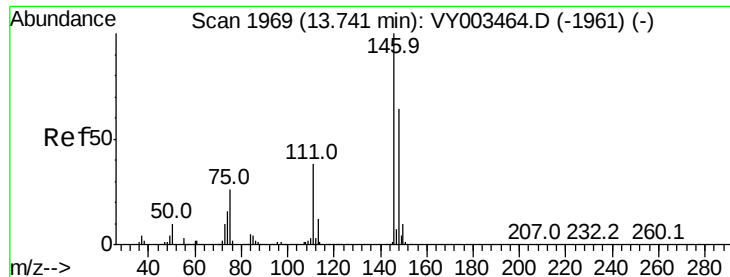
Tot Ion: 91 Resp: 36207
Ion Ratio Lower Upper
91 100
92 52.3 26.7 80.1
134 26.9 13.8 41.3



#90
Hexachloroethane
Concen: 4.419 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion: 117 Resp: 6685
Ion Ratio Lower Upper
117 100
201 91.9 46.6 139.8





#91

1,2-Dichlorobenzene

Concen: 4.433 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

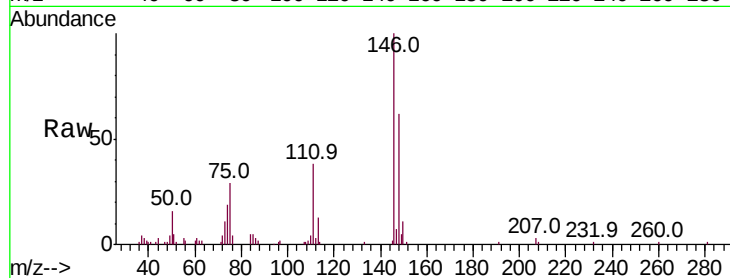
Tot Ion:146 Resp: 18156

Ion Ratio Lower Upper

146 100

111 38.9 19.3 57.8

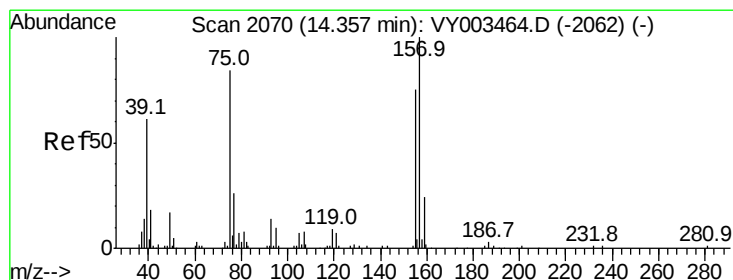
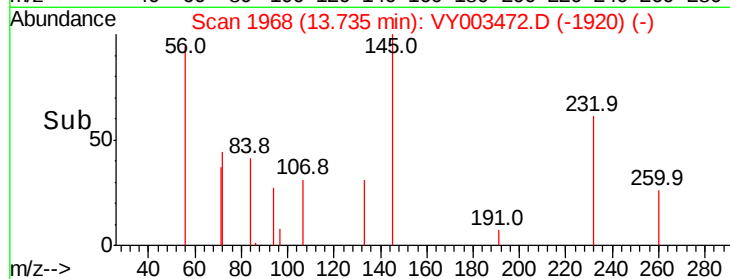
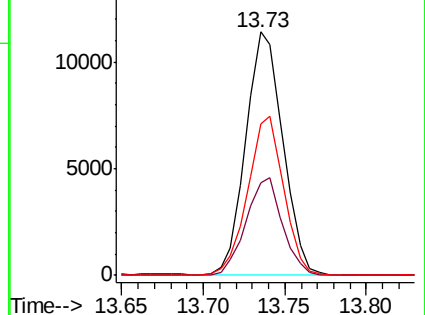
148 63.2 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.848 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.01 min

Lab File: VY003472.D

Acq: 02 Nov 2020 15:04

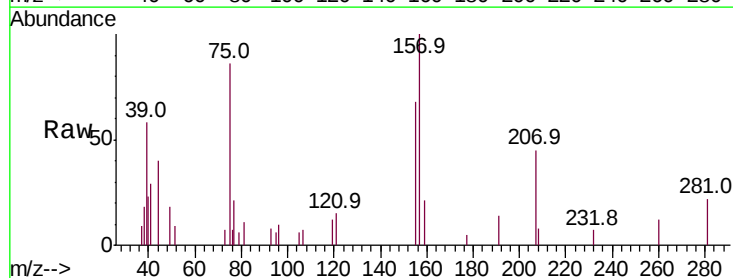
Tgt Ion: 75 Resp: 1826

Ion Ratio Lower Upper

75 100

155 80.0 45.6 136.7

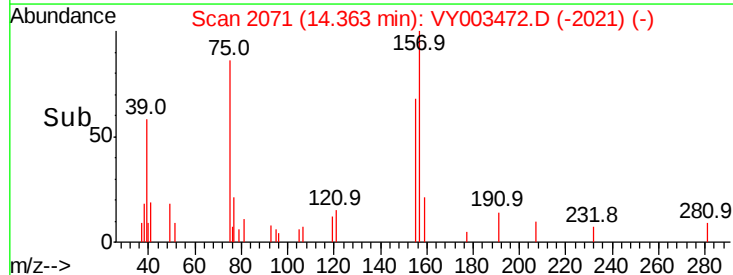
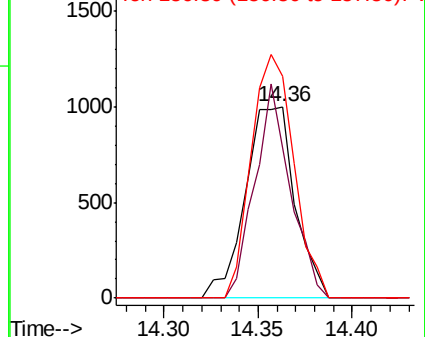
157 109.5 60.3 180.8

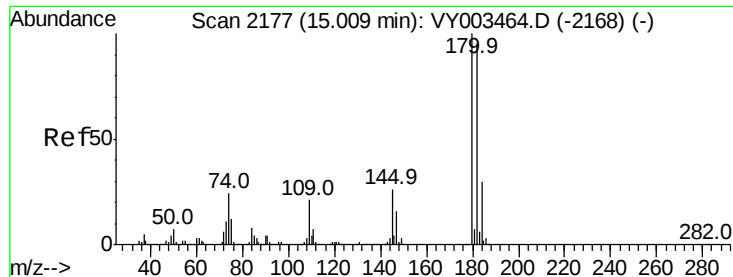


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

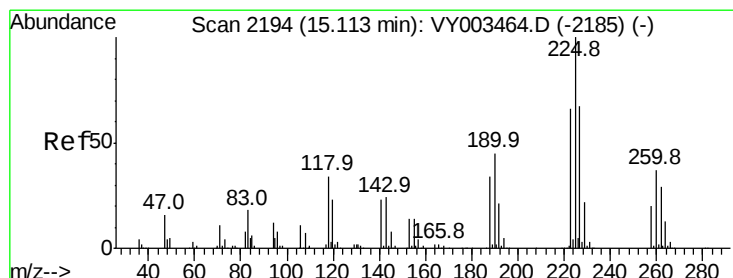
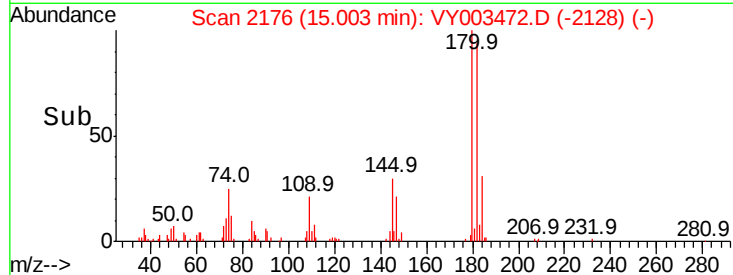
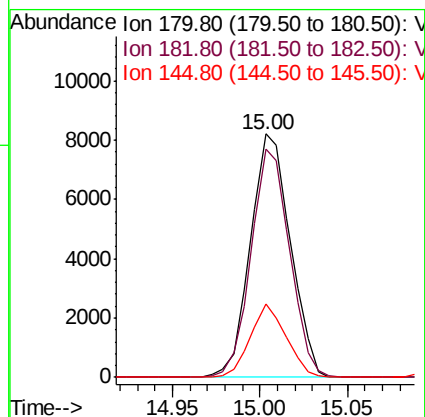
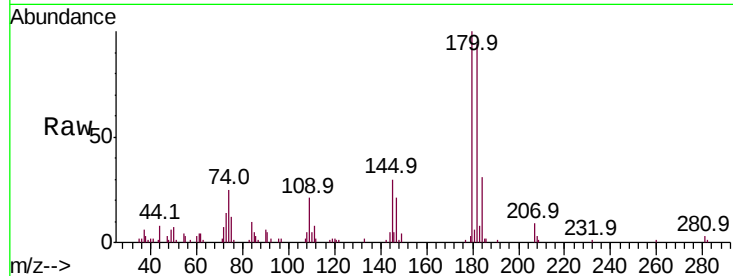




#93
 1,2,4-Trichlorobenzene
 Concen: 4.492 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

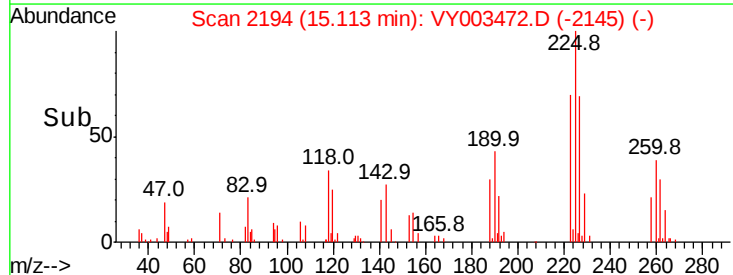
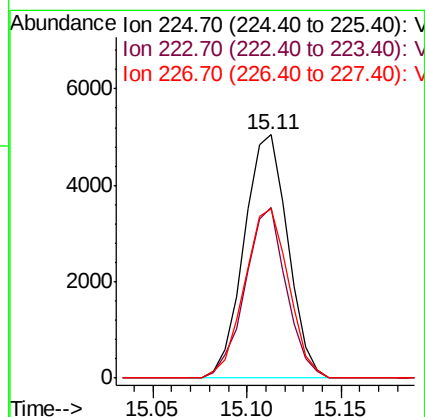
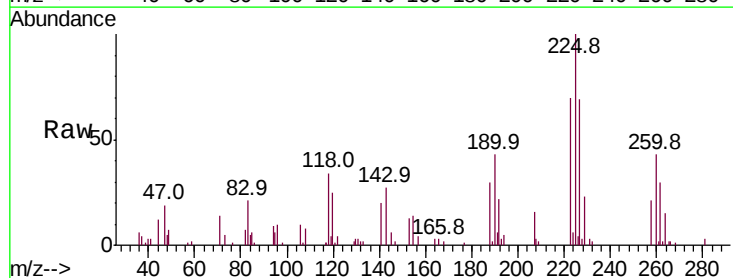
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

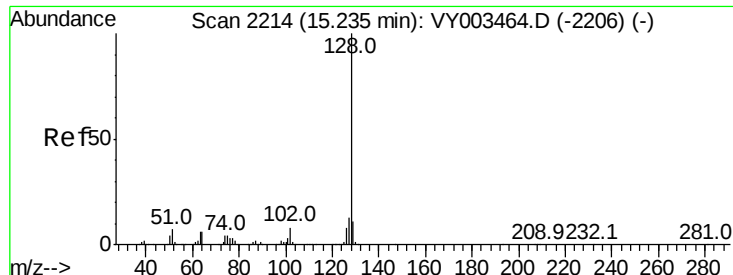
Tot Ion:180 Resp: 13014
 Ion Ratio Lower Upper
 180 100
 182 91.0 48.1 144.3
 145 27.1 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 4.354 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003472.D
 Acq: 02 Nov 2020 15:04

Tgt Ion:225 Resp: 8115
 Ion Ratio Lower Upper
 225 100
 223 66.1 32.1 96.3
 227 70.1 32.4 97.2

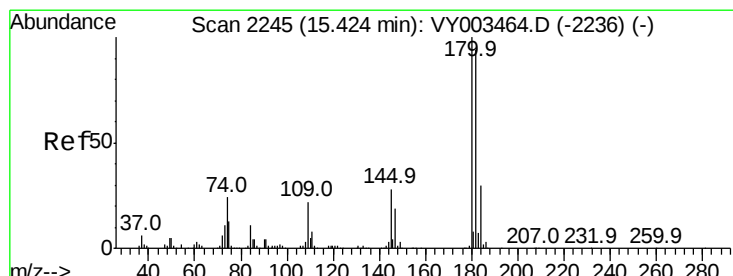
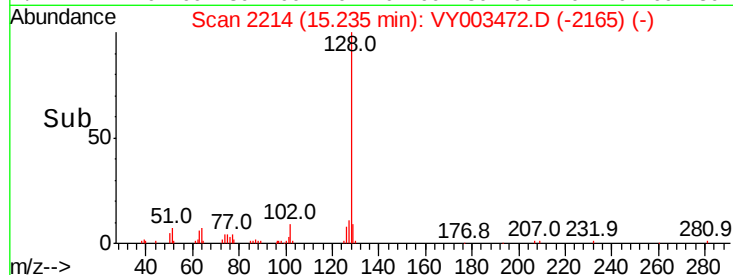
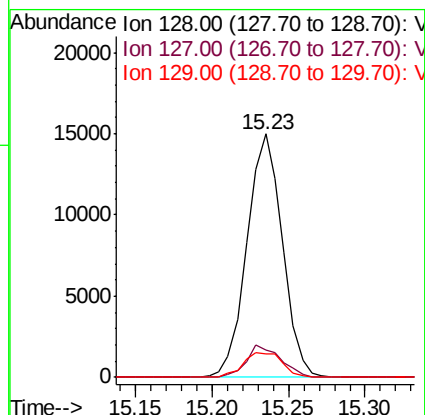
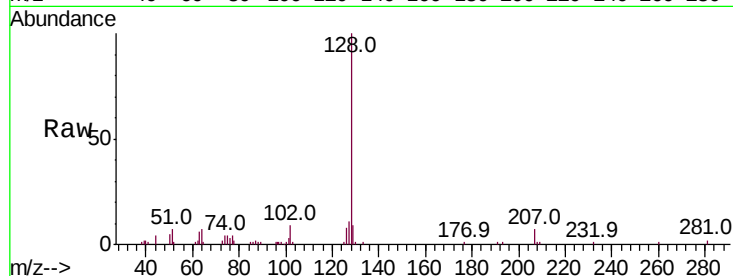




#95
Naphthalene
Concen: 4.157 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:128 Resp: 24114
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.320 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003472.D
Acq: 02 Nov 2020 15:04

Tgt Ion:180 Resp: 11257
Ion Ratio Lower Upper
180 100
182 94.6 46.9 140.7
145 29.6 14.4 43.2

