

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010427.D
 Acq On : 09 Sep 2022 18:54
 Operator : KP/MD
 Sample : N3980-02 5.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Sep 12 04:37:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 12 04:36:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	236136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	333680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166256	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	126208	53.067	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.140%	
35) Dibromofluoromethane	7.710	113	124668	47.001	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.000%	
50) Toluene-d8	10.179	98	463442	53.911	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	12.477	95	159992	40.557	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.120%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	9897	5.470	ug/l	95
3) Chloromethane	2.107	50	14864	5.603	ug/l	94
4) Vinyl Chloride	2.241	62	17825	5.446	ug/l	95
5) Bromomethane	2.644	94	13901	6.062	ug/l	98
6) Chloroethane	2.784	64	12206	5.575	ug/l	95
7) Trichlorofluoromethane	3.113	101	22998	5.547	ug/l	94
8) Diethyl Ether	3.515	74	7032	5.237	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	13760	5.669	ug/l	96
10) Methyl Iodide	4.082	142	14831	4.937	ug/l	91
11) Tert butyl alcohol	4.930	59	12230	38.071	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	12184	5.350	ug/l #	77
13) Acrolein	3.723	56	5624	24.787	ug/l	99
14) Allyl chloride	4.467	41	16876	5.146	ug/l #	94
15) Acrylonitrile	5.155	53	17142	26.372	ug/l	98
16) Acetone	3.942	43	15293	28.020	ug/l #	85
17) Carbon Disulfide	4.186	76	30119	4.891	ug/l	99
18) Methyl Acetate	4.473	43	11230	6.688	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	33256	5.288	ug/l	97
20) Methylene Chloride	4.704	84	31000	9.307	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	13615	5.266	ug/l	89
22) Diisopropyl ether	6.106	45	38020	5.193	ug/l #	93
23) Vinyl Acetate	6.052	43	102836	22.922	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	23966	5.407	ug/l	98
25) 2-Butanone	6.984	43	24076	27.757	ug/l	93
26) 2,2-Dichloropropane	6.972	77	23910	5.653	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	16035	5.335	ug/l	93
28) Bromochloromethane	7.326	49	8740	6.151	ug/l #	77
29) Tetrahydrofuran	7.344	42	14391	26.584	ug/l #	85
30) Chloroform	7.503	83	25566	5.438	ug/l	100
31) Cyclohexane	7.777	56	23953	5.962	ug/l #	70
32) 1,1,1-Trichloroethane	7.692	97	23161	5.441	ug/l	97
36) 1,1-Dichloropropene	7.911	75	19417	5.347	ug/l	97
37) Ethyl Acetate	7.064	43	9806	5.137	ug/l #	90
38) Carbon Tetrachloride	7.893	117	21383	5.293	ug/l	93
39) Methylcyclohexane	9.179	83	23196	5.123	ug/l #	87
40) Benzene	8.155	78	55641	5.323	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	4787	4.387	ug/l #	62
42) 1,2-Dichloroethane	8.228	62	16681	5.366	ug/l	93
43) Isopropyl Acetate	8.271	43	17304	4.953	ug/l #	90
44) Trichloroethene	8.935	130	16386	5.325	ug/l	95
45) 1,2-Dichloropropane	9.210	63	13250	5.197	ug/l	95
46) Dibromomethane	9.301	93	8133	5.290	ug/l	96
47) Bromodichloromethane	9.490	83	18973	5.196	ug/l	99
48) Methyl methacrylate	9.289	41	7403	4.718	ug/l #	79
49) 1,4-Dioxane	9.295	88	2063	101.369	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	48135	25.120	ug/l	89
52) Toluene	10.240	92	36311	5.308	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	17892	4.761	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	21244	5.012	ug/l #	86
55) 1,1,2-Trichloroethane	10.636	97	12065	5.517	ug/l	92
56) Ethyl methacrylate	10.508	69	14053	4.893	ug/l #	79
57) 1,3-Dichloropropane	10.789	76	19311	5.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.777	63	35864	36.707	ug/l	93
59) 2-Hexanone	10.831	43	31844	24.379	ug/l	90
60) Dibromochloromethane	10.978	129	13845	5.181	ug/l	99
61) 1,2-Dibromoethane	11.081	107	11032	5.197	ug/l	98
64) Tetrachloroethene	10.715	164	16462	5.473	ug/l	97
65) Chlorobenzene	11.514	112	40237	5.392	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	14665	5.306	ug/l	99
67) Ethyl Benzene	11.587	91	68322	5.173	ug/l	97
68) m/p-Xylenes	11.697	106	52463	10.118	ug/l	96
69) o-Xylene	12.026	106	25524	5.155	ug/l	91
70) Styrene	12.038	104	41366	4.937	ug/l	95
71) Bromoform	12.203	173	8794	5.089	ug/l #	97
73) Isopropylbenzene	12.325	105	68040	5.245	ug/l	99
74) N-amyl acetate	12.142	43	13812	4.563	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	13753	5.668	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	17340	9.450	ug/l #	100
77) Bromobenzene	12.605	156	16999	5.530	ug/l	92
78) n-propylbenzene	12.666	91	80782	5.259	ug/l	99
79) 2-Chlorotoluene	12.752	91	46507	5.390	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	57157	5.222	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	4071	4.926	ug/l	91
82) 4-Chlorotoluene	12.849	91	47717	5.316	ug/l	95
83) tert-Butylbenzene	13.075	119	50417	5.270	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	55810	5.211	ug/l	98
85) sec-Butylbenzene	13.252	105	73932	5.219	ug/l	98
86) p-Isopropyltoluene	13.367	119	60423	5.043	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	33498	5.427	ug/l	100
88) 1,4-Dichlorobenzene	13.441	146	33437	5.471	ug/l	95
89) n-Butylbenzene	13.697	91	56111	5.159	ug/l	98
90) Hexachloroethane	13.959	117	12181	5.415	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	29785	5.448	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2122	5.181	ug/l	70
93) 1,2,4-Trichlorobenzene	15.001	180	17731	5.222	ug/l	99
94) Hexachlorobutadiene	15.111	225	11013	5.376	ug/l	94
95) Naphthalene	15.233	128	33456	4.996	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	14939	5.040	ug/l	96

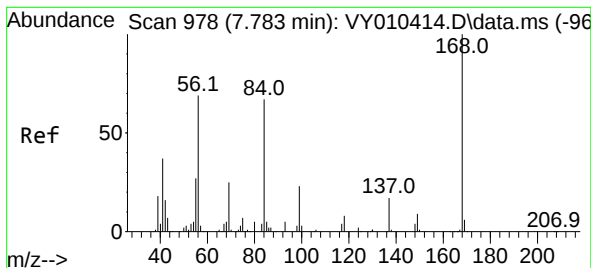
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

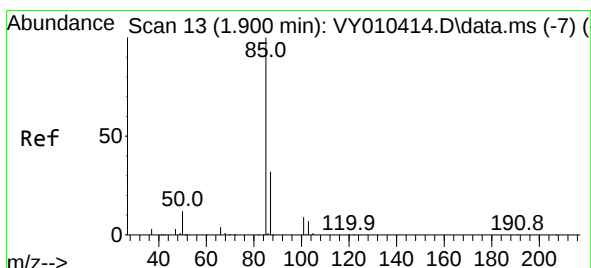
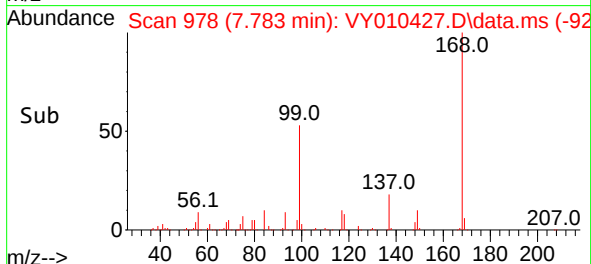
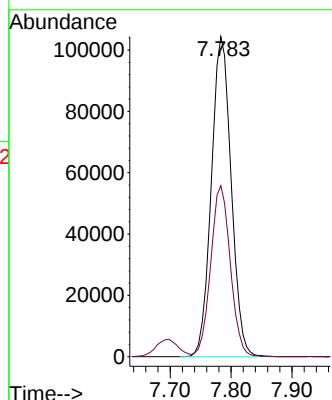
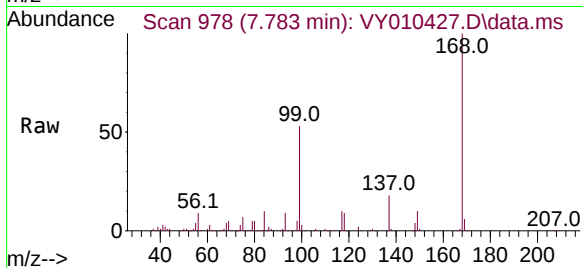
LOQ-SOIL-02-QT3-2022

Tgt Ion:168 Resp: 236136

Ion Ratio Lower Upper

168 100

99 53.5 46.9 70.3



#2

Dichlorodifluoromethane

Concen: 5.470 ug/l

RT: 1.900 min Scan# 13

Delta R.T. -0.000 min

Lab File: VY010427.D

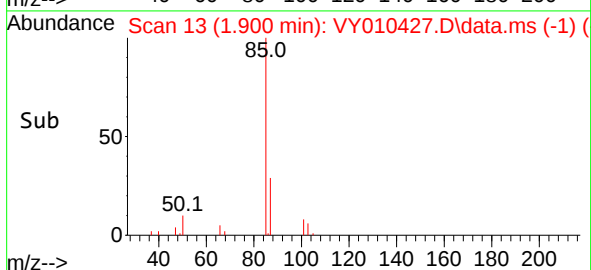
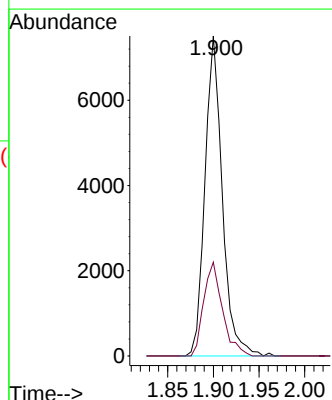
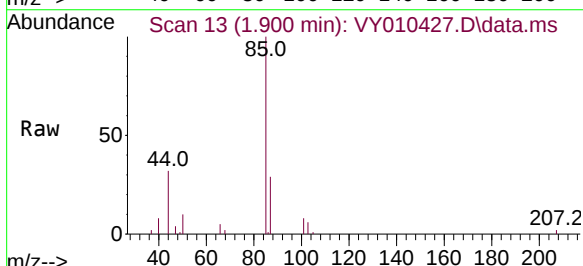
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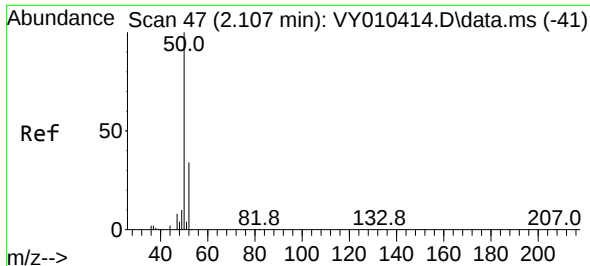
Tgt Ion: 85 Resp: 9897

Ion Ratio Lower Upper

85 100

87 29.3 16.1 48.2

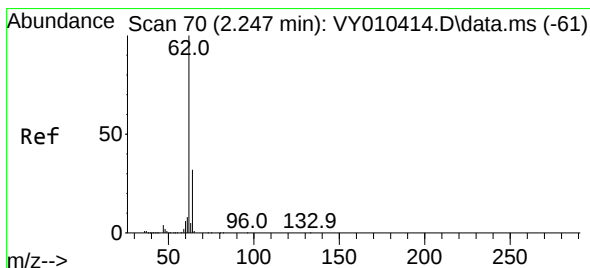
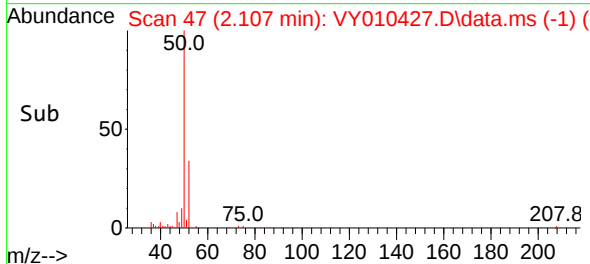
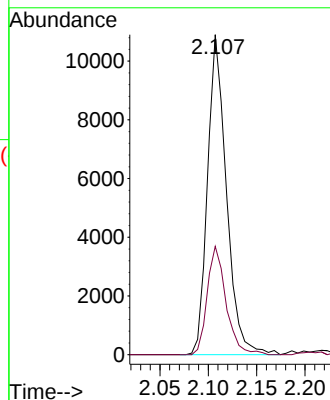
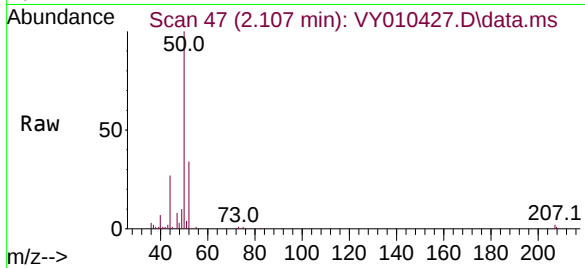




#3
Chloromethane
Concen: 5.603 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

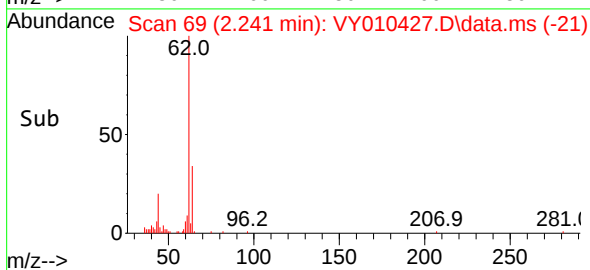
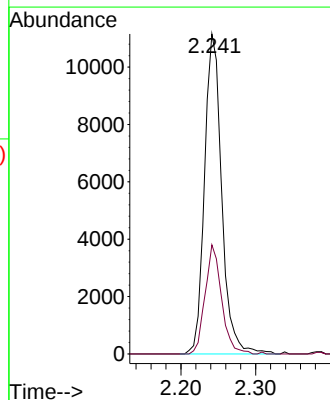
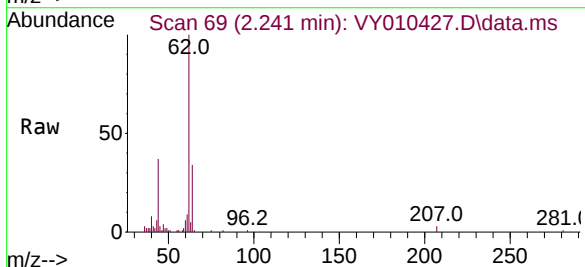
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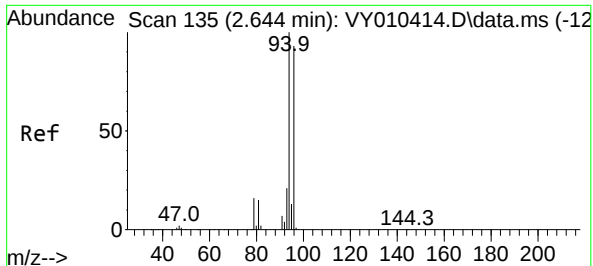
Tgt Ion: 50 Resp: 14864
Ion Ratio Lower Upper
50 100
52 33.9 24.6 37.0



#4
Vinyl Chloride
Concen: 5.446 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 62 Resp: 17825
Ion Ratio Lower Upper
62 100
64 34.1 25.0 37.6

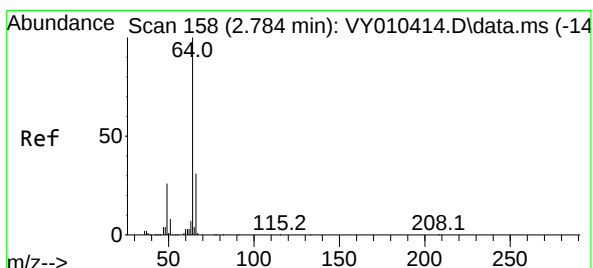
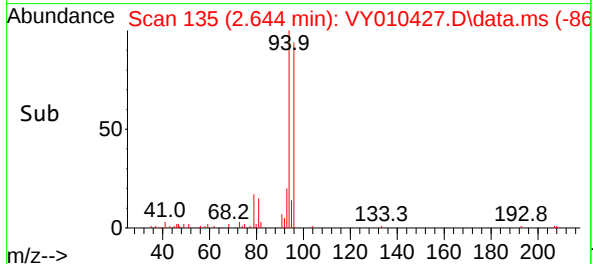
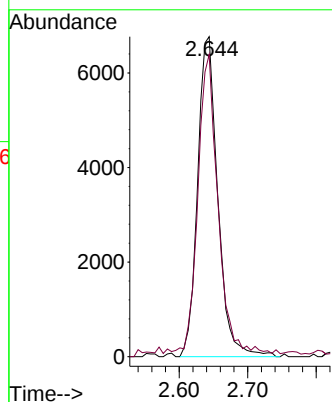
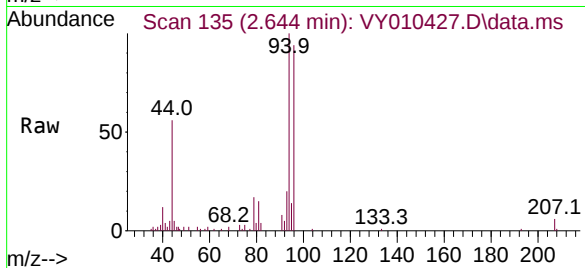




#5
Bromomethane
Concen: 6.062 ug/l
RT: 2.644 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

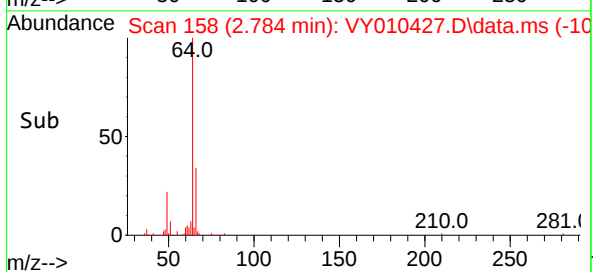
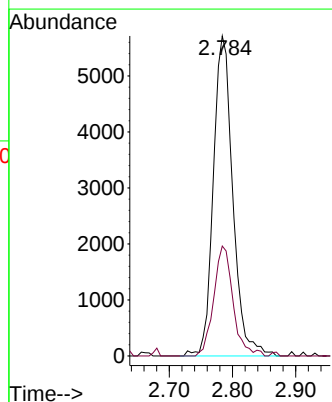
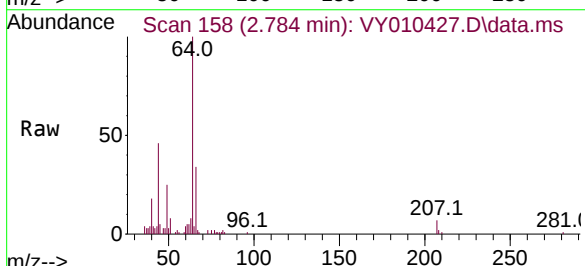
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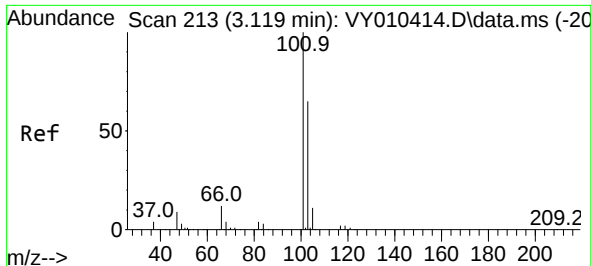
Tgt Ion: 94 Resp: 13901
Ion Ratio Lower Upper
94 100
96 93.5 73.5 110.3



#6
Chloroethane
Concen: 5.575 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 64 Resp: 12206
Ion Ratio Lower Upper
64 100
66 34.4 25.4 38.0

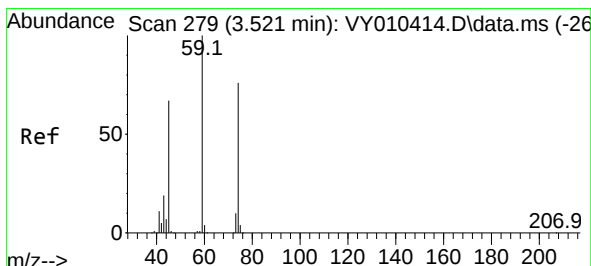
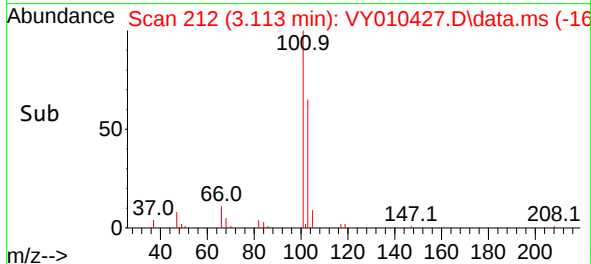
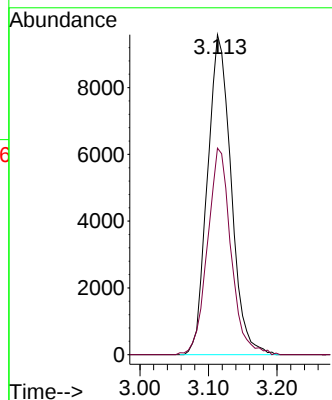
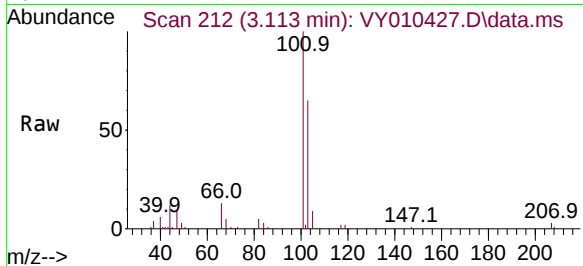




#7
 Trichlorofluoromethane
 Concen: 5.547 ug/l
 RT: 3.113 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

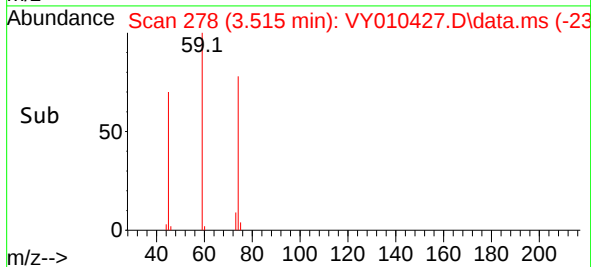
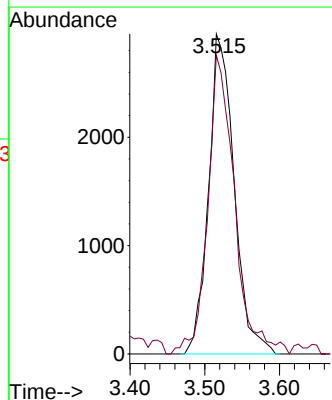
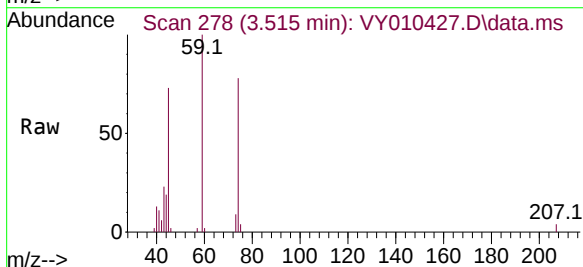
Instrument :
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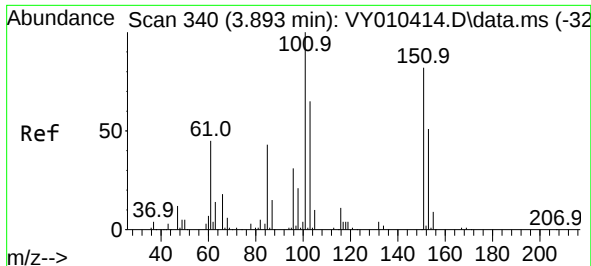
Tgt Ion:101 Resp: 22998
 Ion Ratio Lower Upper
 101 100
 103 64.5 48.0 72.0



#8
 Diethyl Ether
 Concen: 5.237 ug/l
 RT: 3.515 min Scan# 278
 Delta R.T. -0.006 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

Tgt Ion: 74 Resp: 7032
 Ion Ratio Lower Upper
 74 100
 45 97.6 55.1 165.5

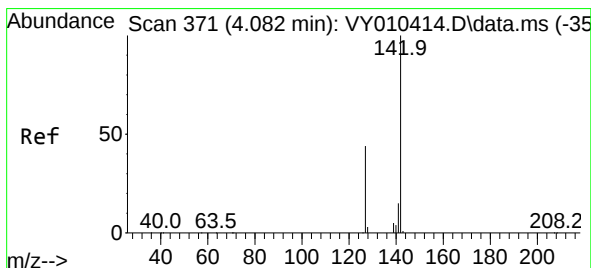
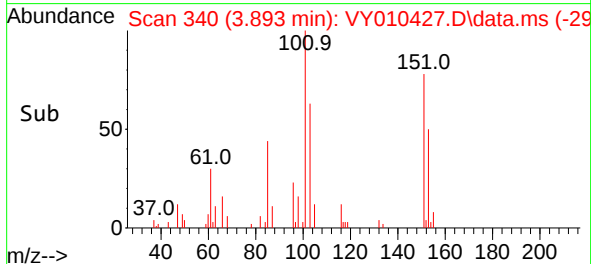
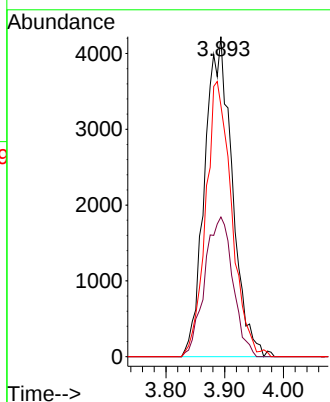
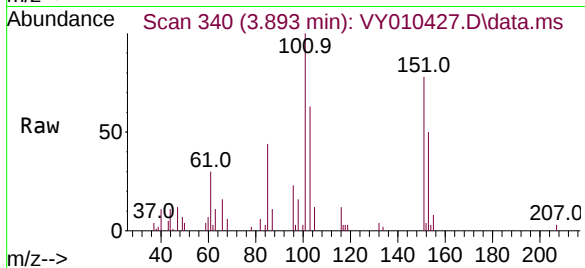




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.669 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY010427.D
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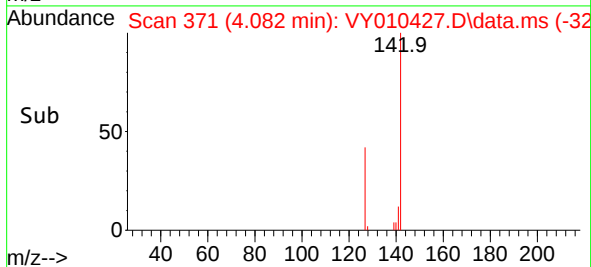
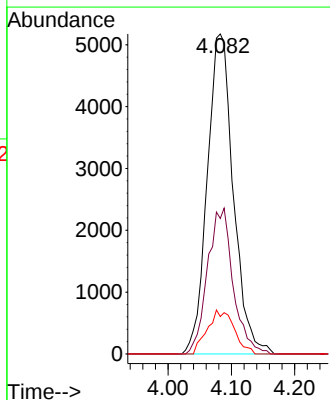
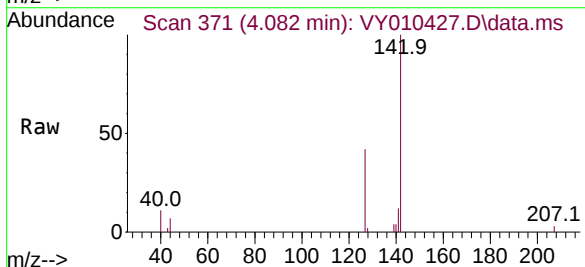
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

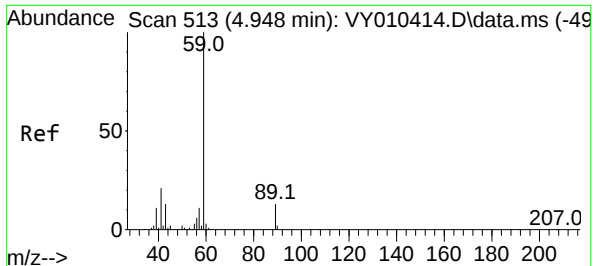
Tgt Ion:	101	Resp:	13760
Ion	Ratio	Lower	Upper
101	100		
85	44.6	40.6	60.8
151	80.9	64.9	97.3



#10
Methyl Iodide
Concen: 4.937 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:	142	Resp:	14831
Ion	Ratio	Lower	Upper
142	100		
127	44.6	41.5	62.3
141	14.0	11.9	17.9

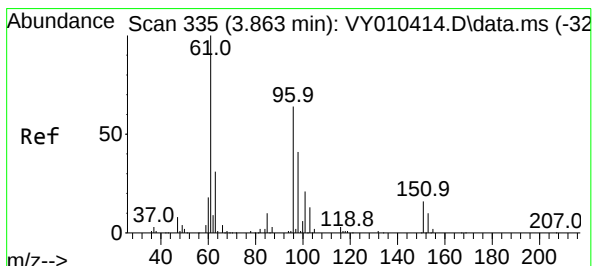
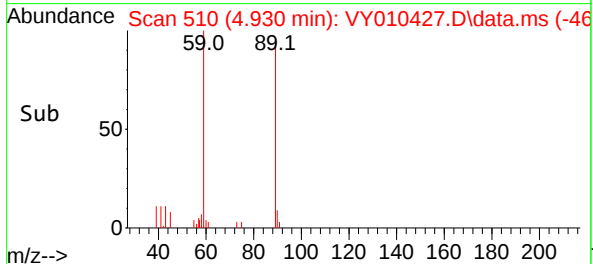
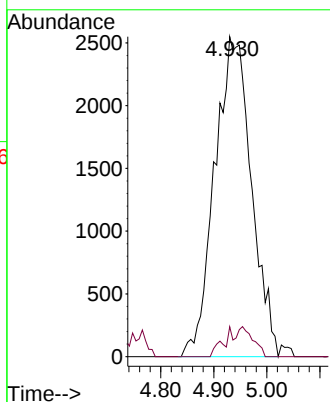
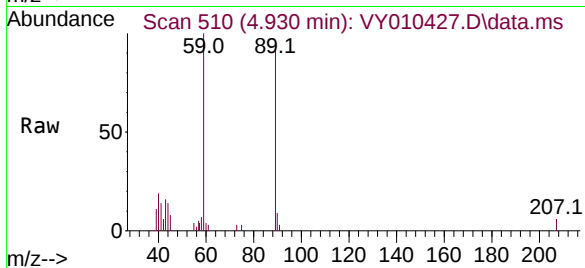




#11
Tert butyl alcohol
Concen: 38.071 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

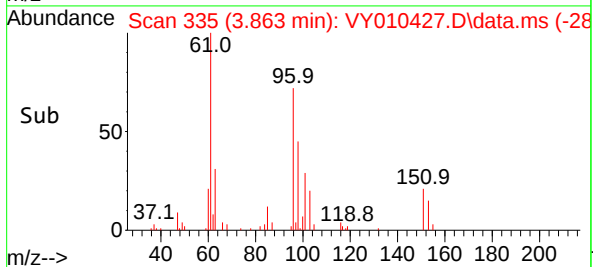
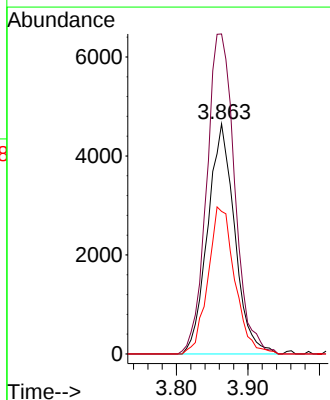
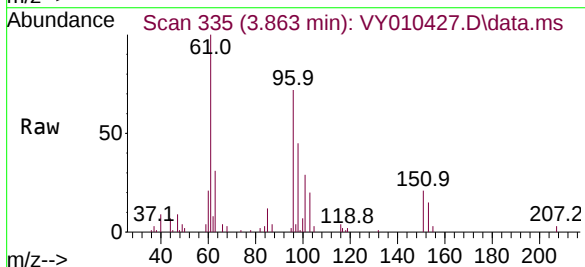
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

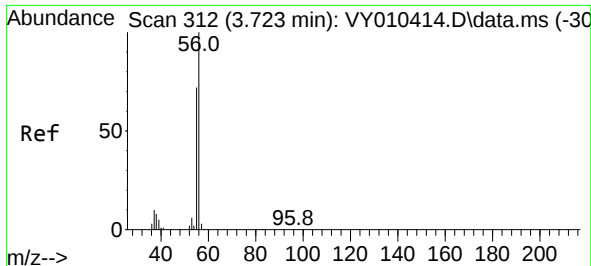
Tgt Ion: 59 Resp: 12230
Ion Ratio Lower Upper
59 100
57 2.5 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 5.350 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 96 Resp: 12184
Ion Ratio Lower Upper
96 100
61 139.1 145.8 218.6#
98 62.0 52.5 78.7





#13

Acrolein

Concen: 24.787 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

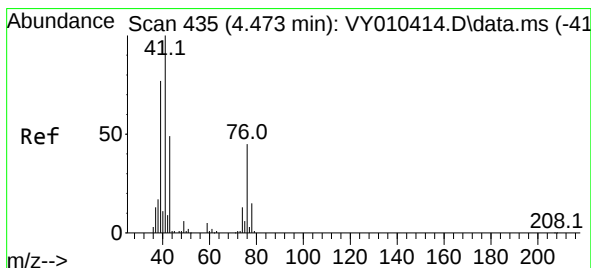
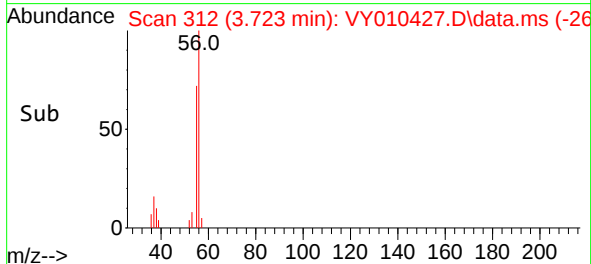
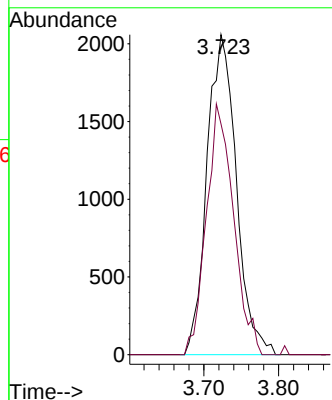
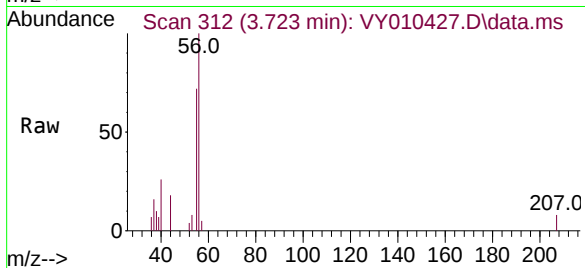
LOQ-SOIL-02-QT3-2022

Tgt Ion: 56 Resp: 5624

Ion Ratio Lower Upper

56 100

55 72.7 57.6 86.4



#14

Allyl chloride

Concen: 5.146 ug/l

RT: 4.467 min Scan# 434

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

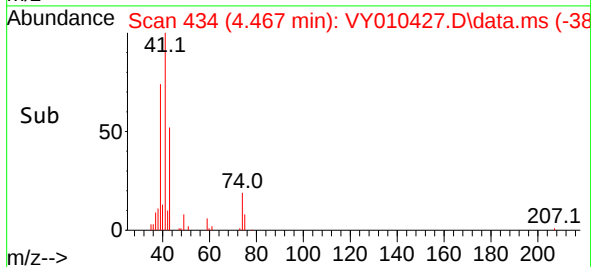
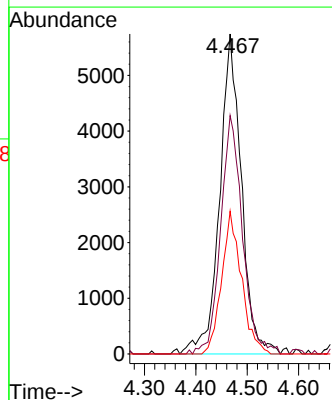
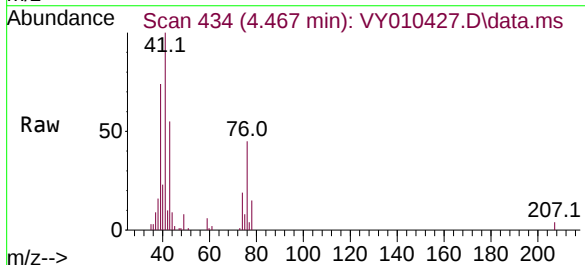
Tgt Ion: 41 Resp: 16876

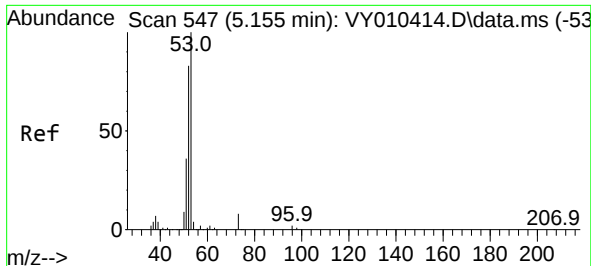
Ion Ratio Lower Upper

41 100

39 74.9 58.8 88.2

76 40.8 25.1 37.7#

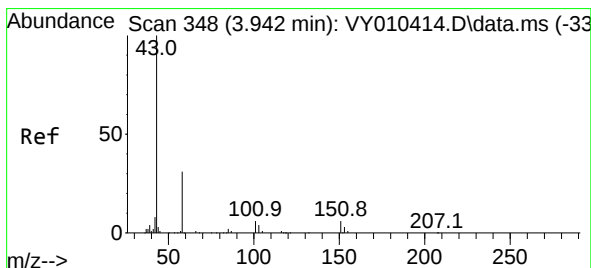
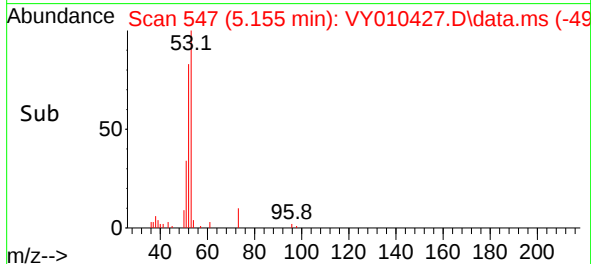
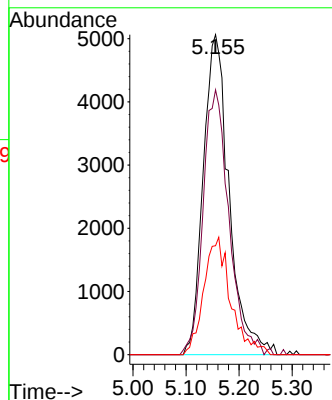
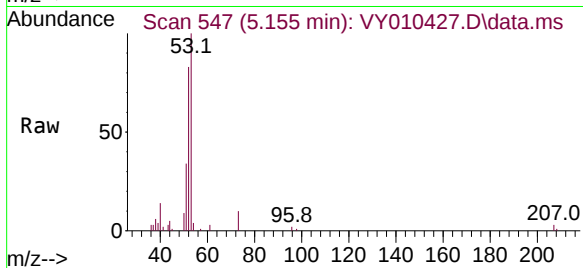




#15
Acrylonitrile
Concen: 26.372 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

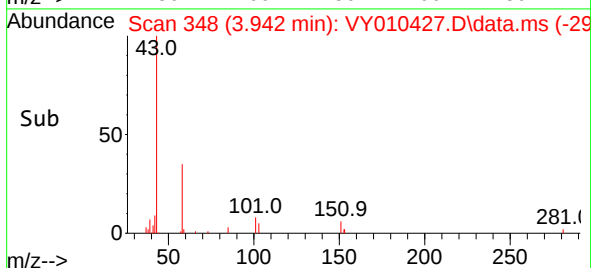
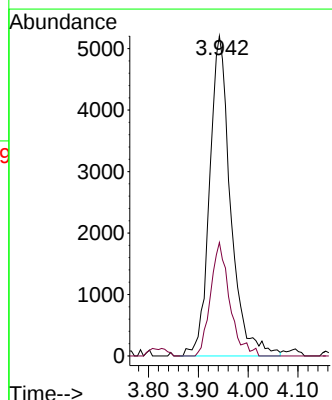
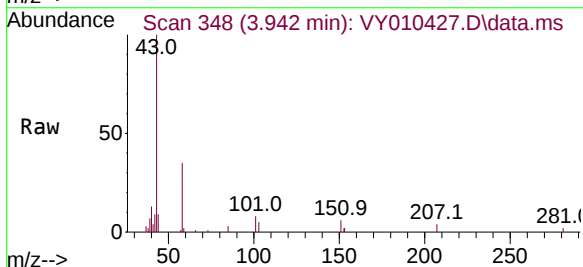
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

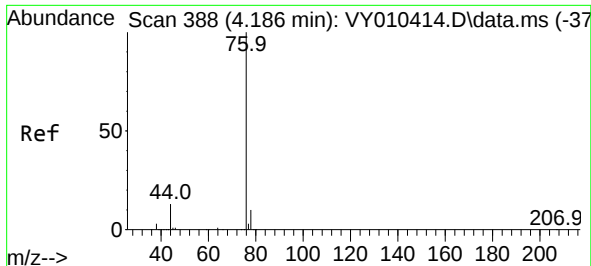
Tgt Ion: 53 Resp: 17142
Ion Ratio Lower Upper
53 100
52 82.3 67.0 100.4
51 38.2 29.8 44.6



#16
Acetone
Concen: 28.020 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 43 Resp: 15293
Ion Ratio Lower Upper
43 100
58 35.4 22.0 33.0#





#17

Carbon Disulfide

Concen: 4.891 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

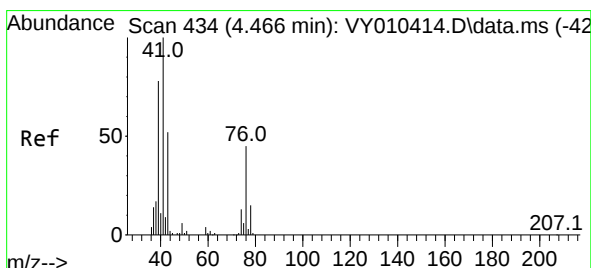
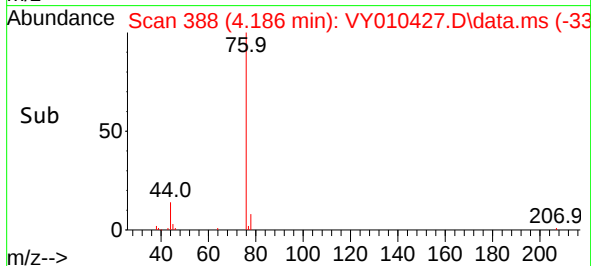
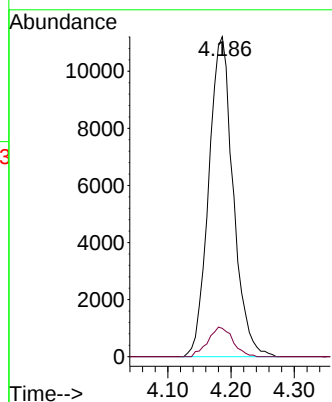
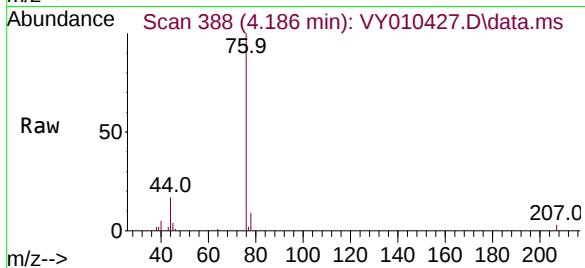
LOQ-SOIL-02-QT3-2022

Tgt Ion: 76 Resp: 30119

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



#18

Methyl Acetate

Concen: 6.688 ug/l

RT: 4.473 min Scan# 435

Delta R.T. 0.007 min

Lab File: VY010427.D

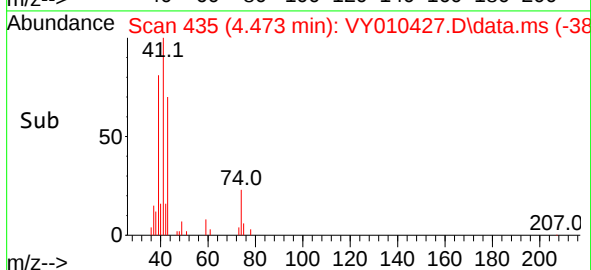
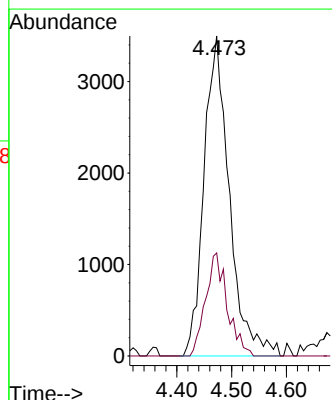
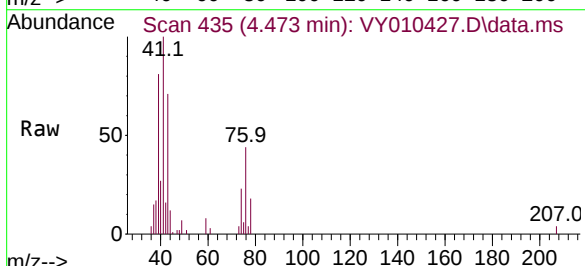
Acq: 09 Sep 2022 18:54

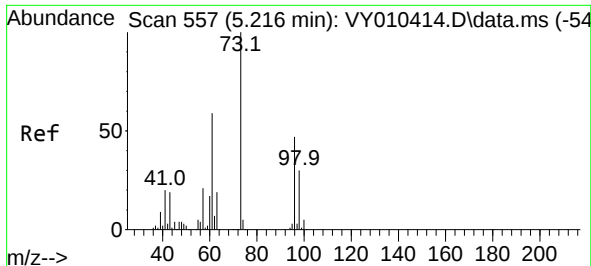
Tgt Ion: 43 Resp: 11230

Ion Ratio Lower Upper

43 100

74 27.6 16.6 24.8#

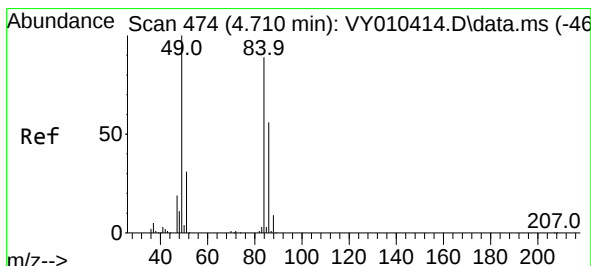
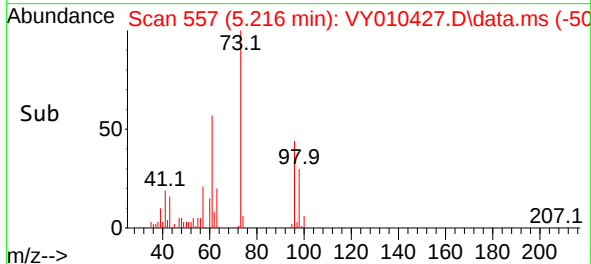
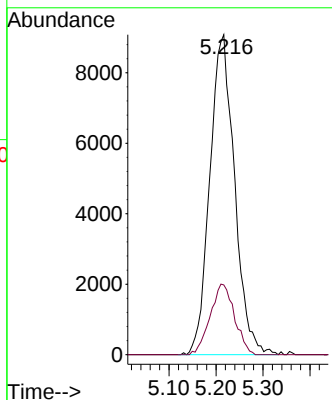
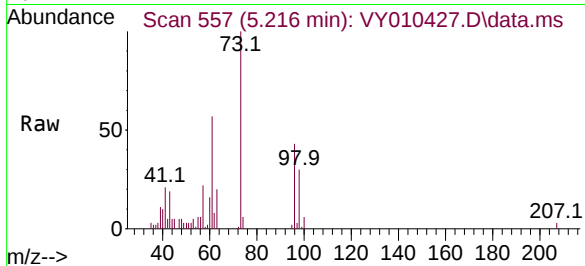




#19
Methyl tert-butyl Ether
Concen: 5.288 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

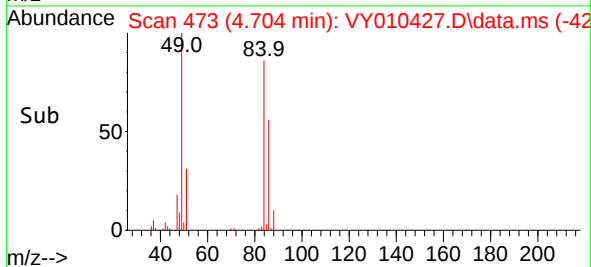
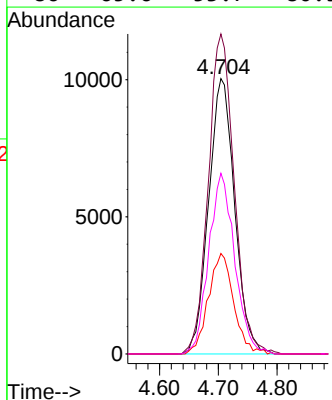
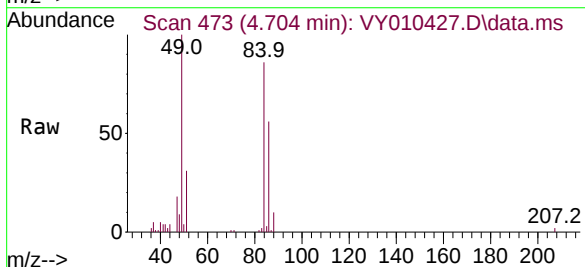
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 73 Resp: 33256
Ion Ratio Lower Upper
73 100
57 21.8 18.6 27.8



#20
Methylene Chloride
Concen: 9.307 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 84 Resp: 31000
Ion Ratio Lower Upper
84 100
49 116.2 114.4 171.6
51 36.5 35.3 52.9
86 65.6 53.7 80.5

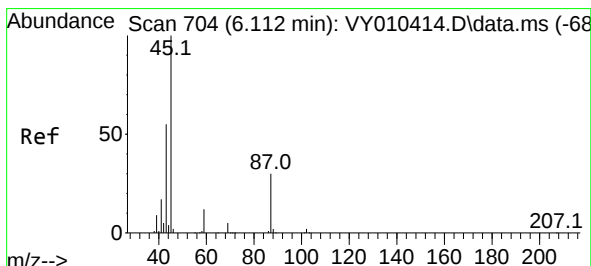
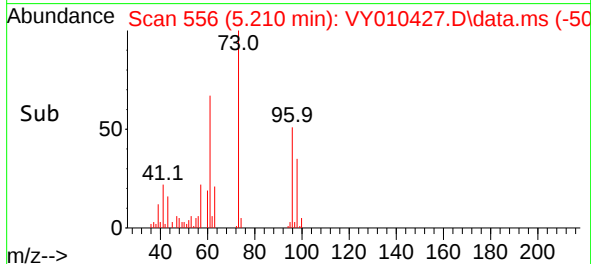
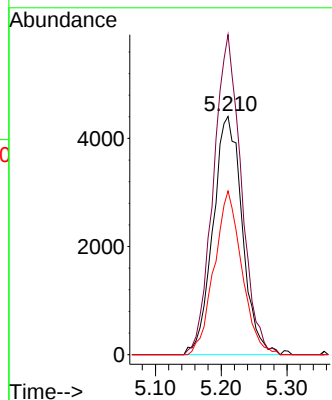
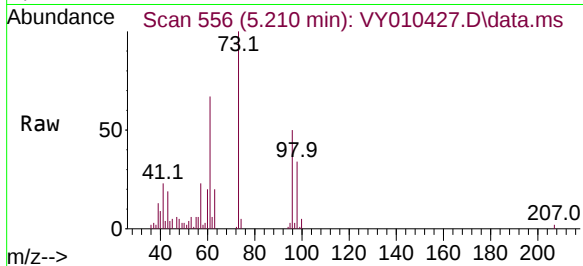




#21
trans-1,2-Dichloroethene
Concen: 5.266 ug/l
RT: 5.210 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

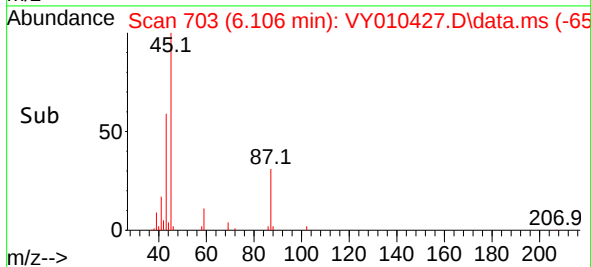
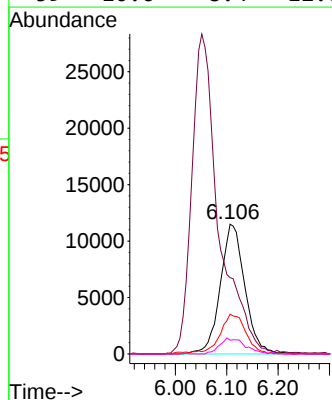
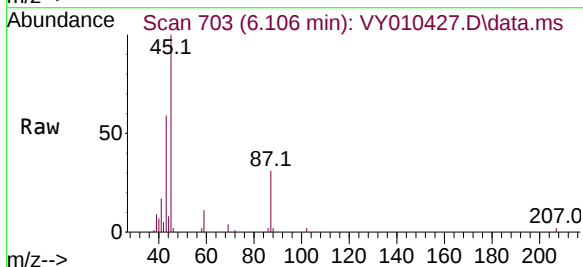
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

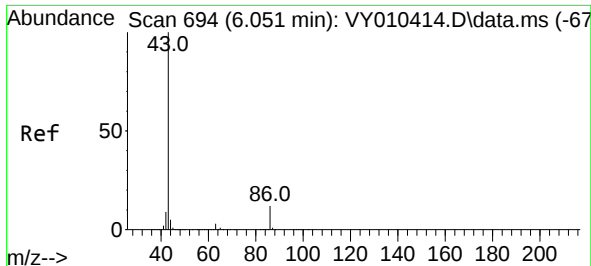
Tgt Ion: 96 Resp: 13615
Ion Ratio Lower Upper
96 100
61 134.3 120.5 180.7
98 68.6 49.8 74.8



#22
Diisopropyl ether
Concen: 5.193 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 45 Resp: 38020
Ion Ratio Lower Upper
45 100
43 57.3 49.3 73.9
87 30.2 19.2 28.8#
59 10.6 8.4 12.6

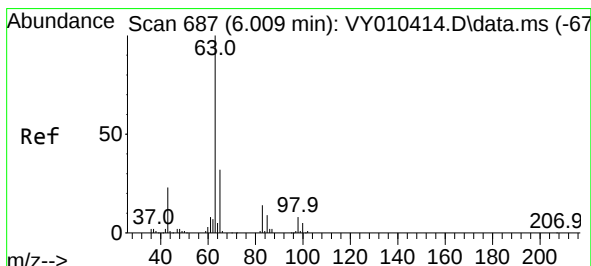
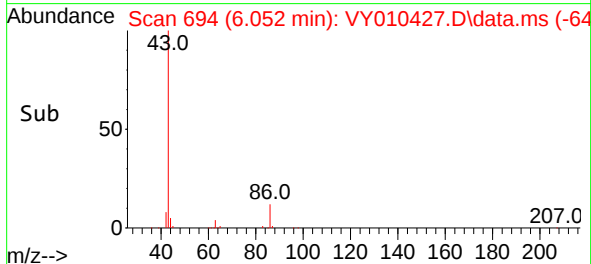
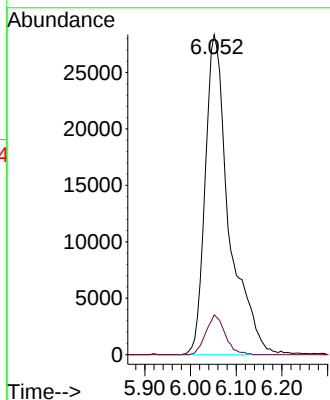
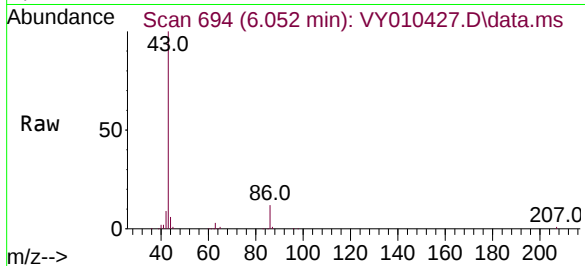




#23
 Vinyl Acetate
 Concen: 22.922 ug/l
 RT: 6.052 min Scan# 694
 Delta R.T. 0.001 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

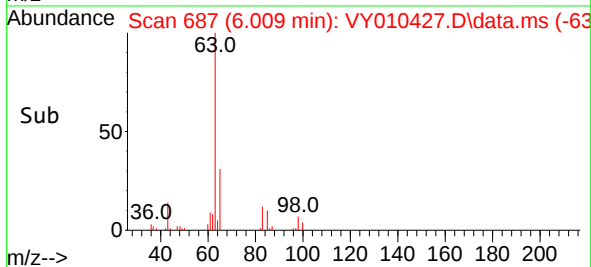
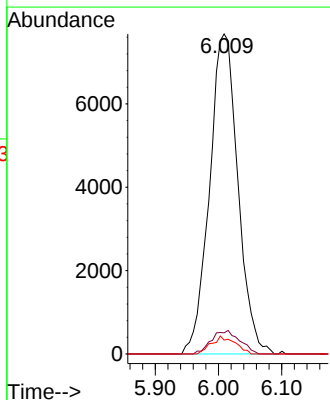
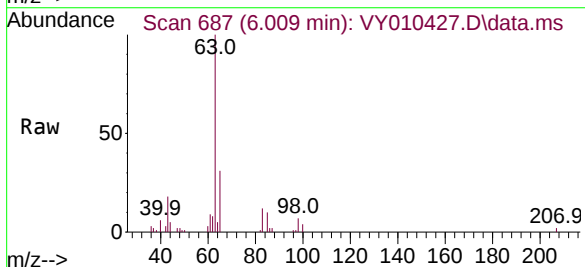
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

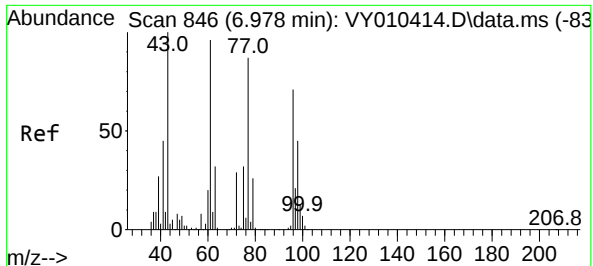
Tgt Ion: 43 Resp: 102836
 Ion Ratio Lower Upper
 43 100
 86 12.4 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 5.407 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

Tgt Ion: 63 Resp: 23966
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.6 10.8
 100 4.4 2.0 5.8





#25

2-Butanone

Concen: 27.757 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

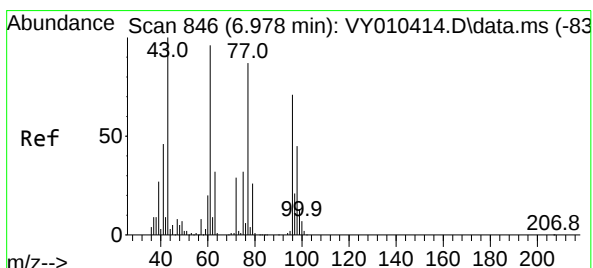
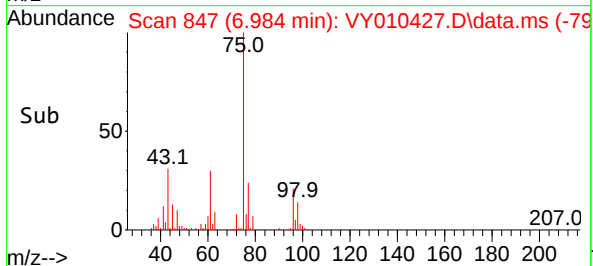
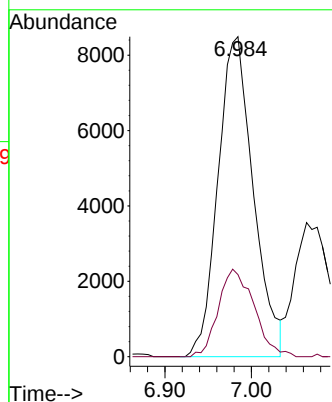
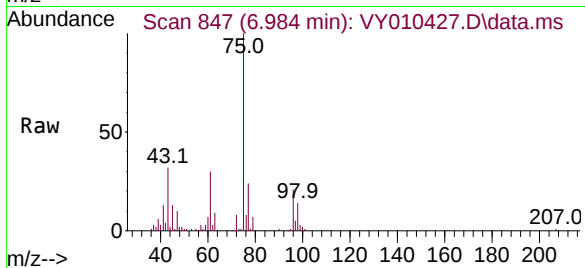
LOQ-SOIL-02-QT3-2022

Tgt Ion: 43 Resp: 24076

Ion Ratio Lower Upper

43 100

72 25.6 17.7 26.5



#26

2,2-Dichloropropane

Concen: 5.653 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010427.D

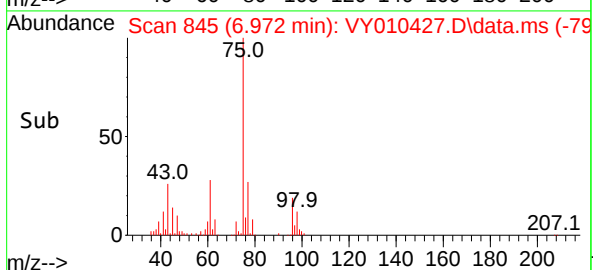
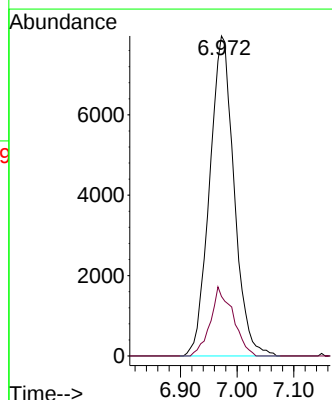
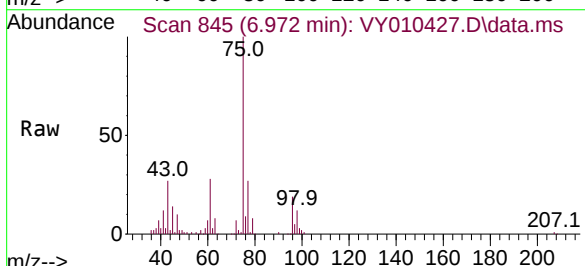
Acq: 09 Sep 2022 18:54

Tgt Ion: 77 Resp: 23910

Ion Ratio Lower Upper

77 100

97 20.0 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 5.335 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

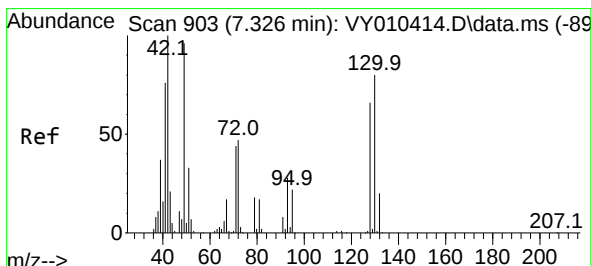
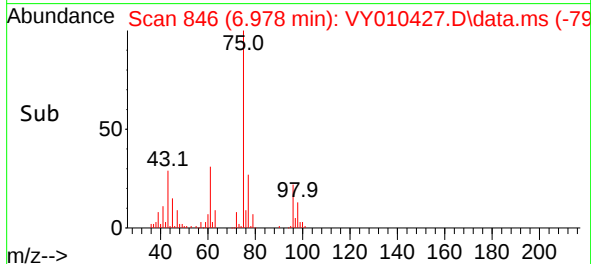
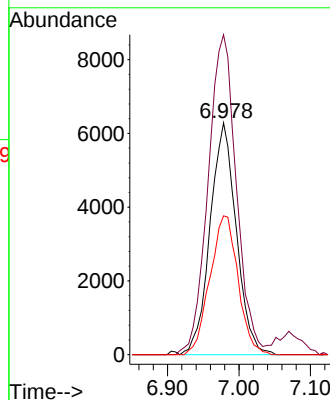
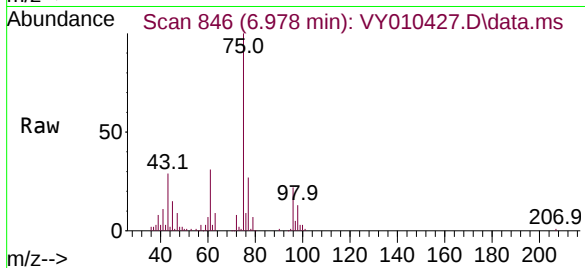
Tgt Ion: 96 Resp: 16035

Ion Ratio Lower Upper

96 100

61 148.3 0.0 319.8

98 64.2 0.0 127.0



#28

Bromochloromethane

Concen: 6.151 ug/l

RT: 7.326 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

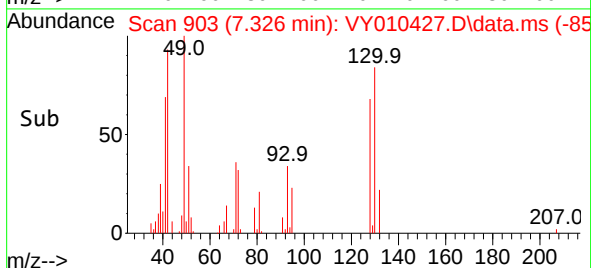
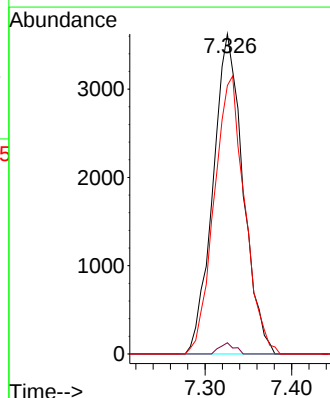
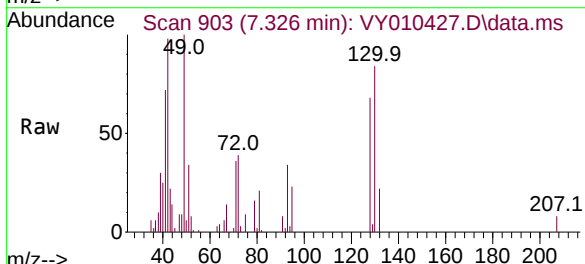
Tgt Ion: 49 Resp: 8740

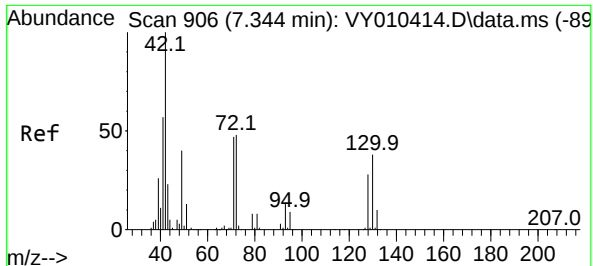
Ion Ratio Lower Upper

49 100

129 1.7 0.0 2.2

130 88.3 55.4 83.0#





#29

Tetrahydrofuran

Concen: 26.584 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

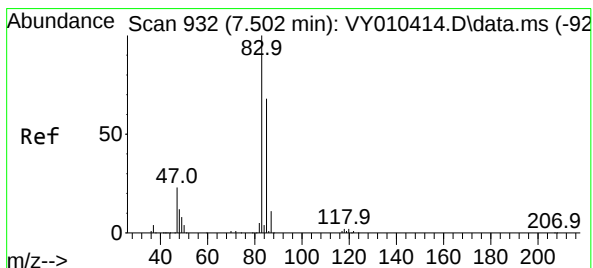
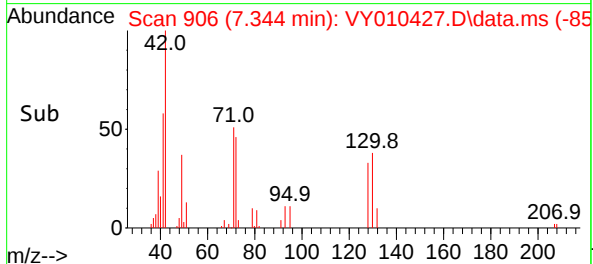
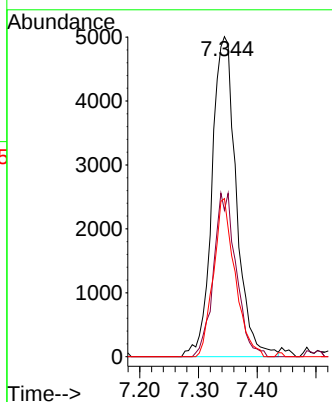
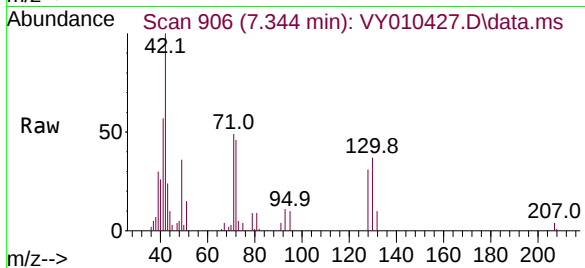
Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:	42	Resp:	14391
Ion Ratio	Lower	Upper	
42	100		
72	47.8	30.3	45.5#
71	44.0	29.0	43.4#



#30

Chloroform

Concen: 5.438 ug/l

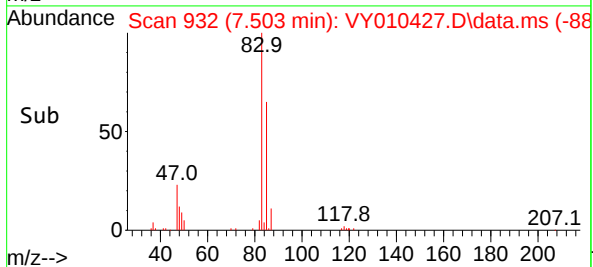
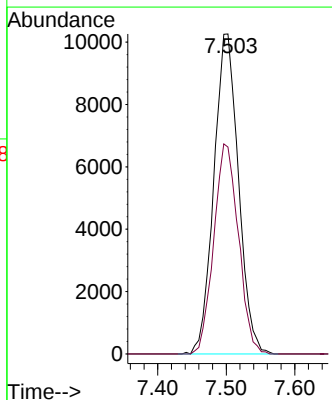
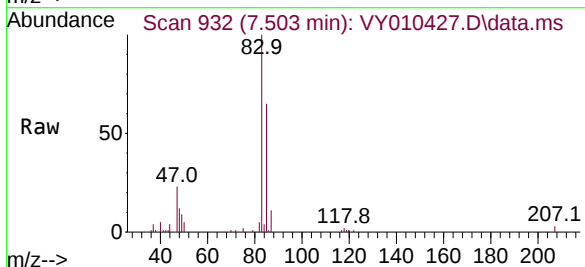
RT: 7.503 min Scan# 932

Delta R.T. 0.001 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Tgt Ion:	83	Resp:	25566
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.6

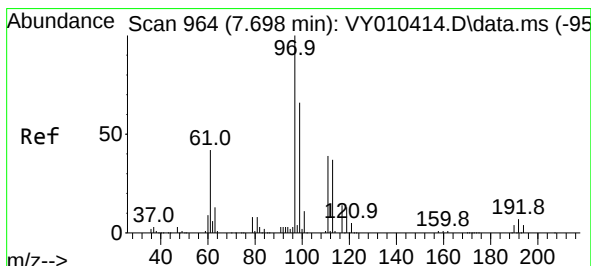
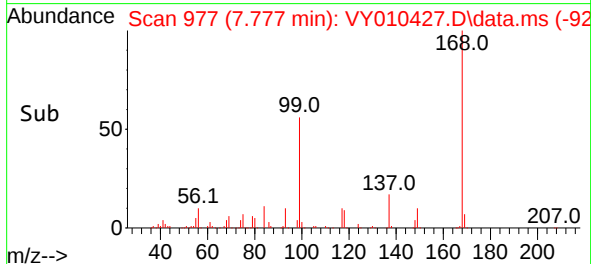
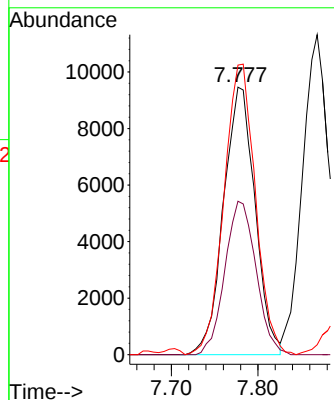
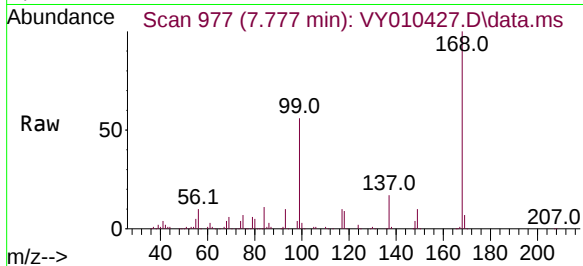




#31
Cyclohexane
Concen: 5.962 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

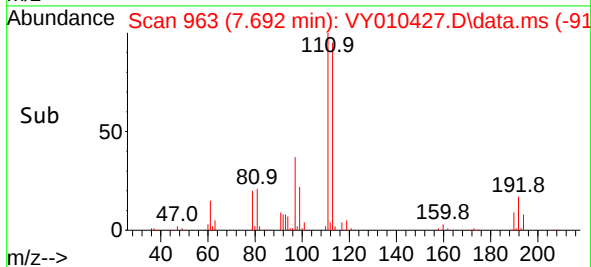
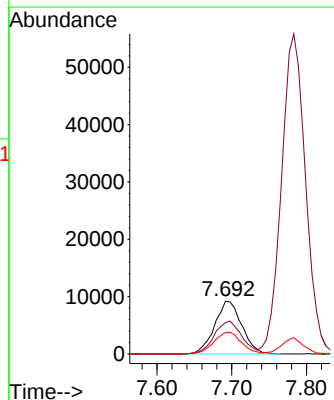
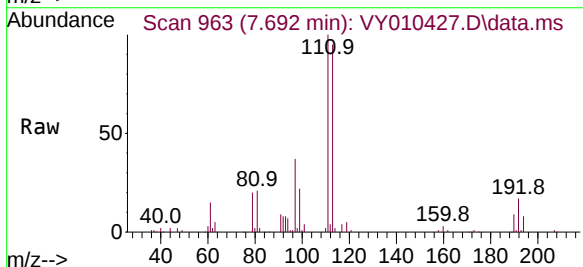
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

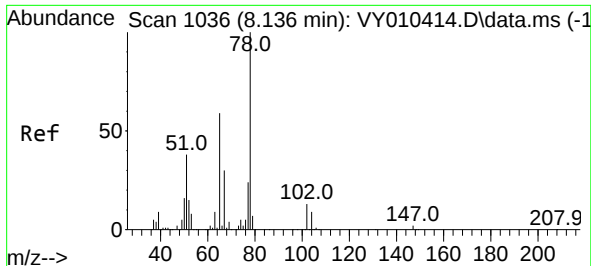
Tgt Ion: 56 Resp: 23953
Ion Ratio Lower Upper
56 100
69 57.3 26.7 40.1#
84 106.7 67.2 100.8#



#32
1,1,1-Trichloroethane
Concen: 5.441 ug/l
RT: 7.692 min Scan# 963
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 97 Resp: 23161
Ion Ratio Lower Upper
97 100
99 63.3 50.7 76.1
61 42.0 37.6 56.4

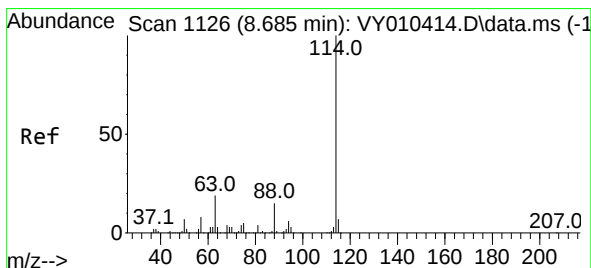
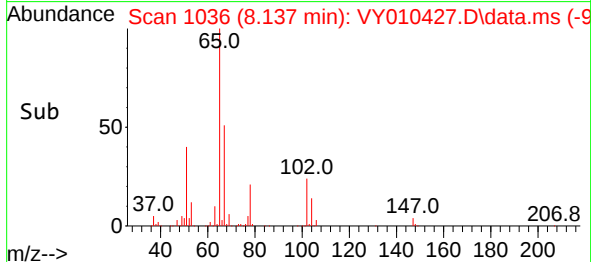
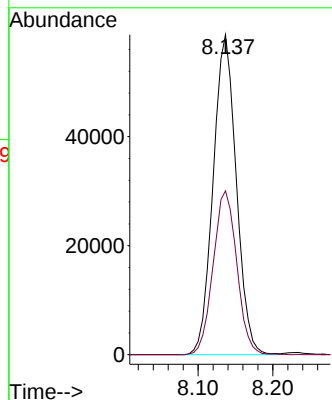
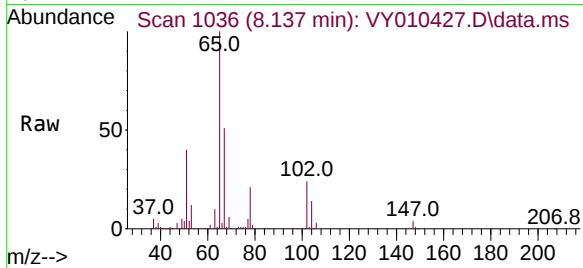




#33
 1,2-Dichloroethane-d4
 Concen: 53.067 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

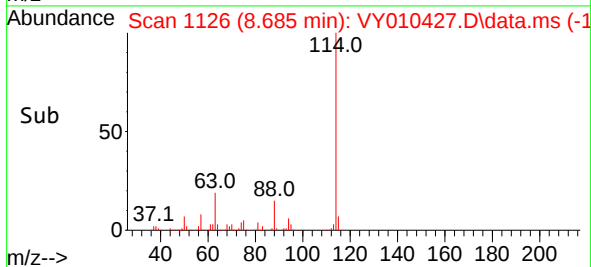
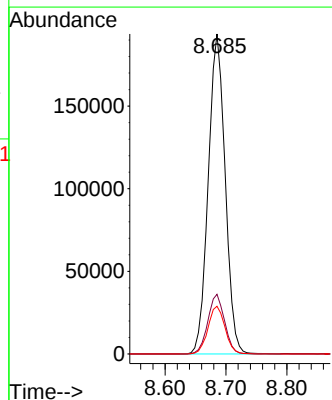
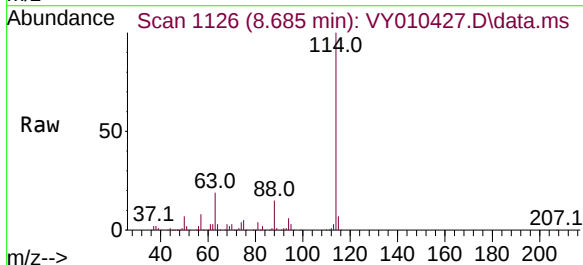
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

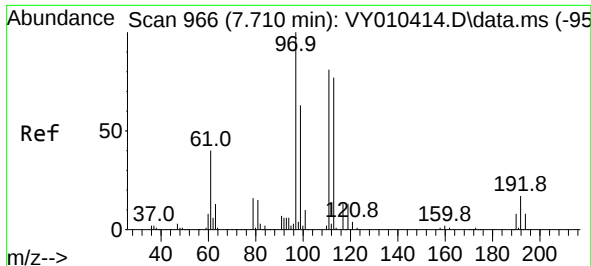
Tgt Ion: 65 Resp: 126208
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

Tgt Ion: 114 Resp: 373478
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.2
 88 14.9 0.0 31.8

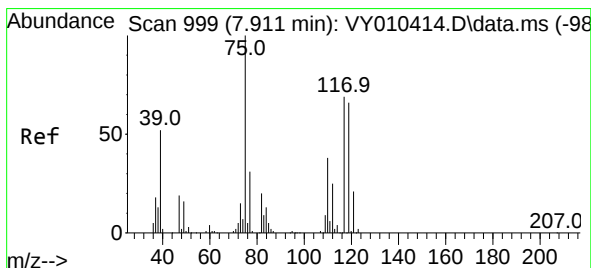
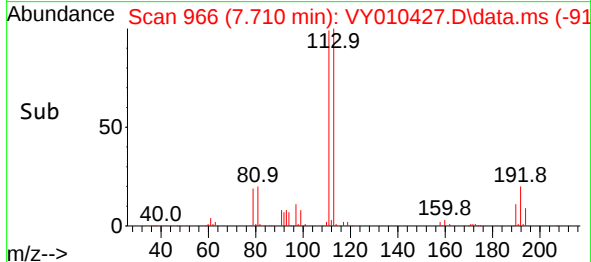
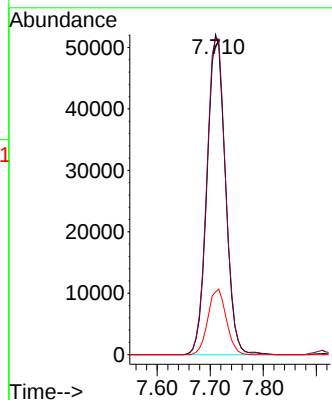
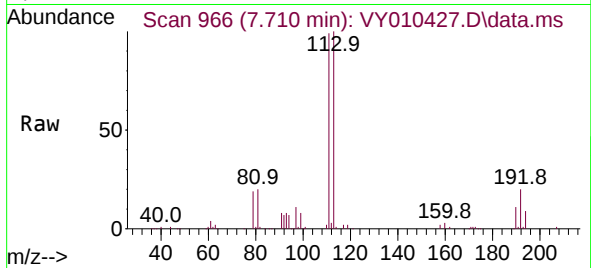




#35
Dibromofluoromethane
Concen: 47.001 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

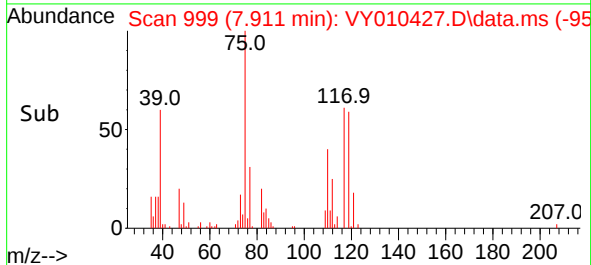
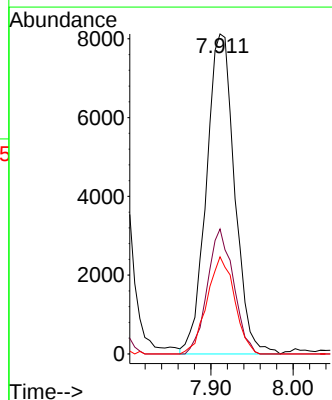
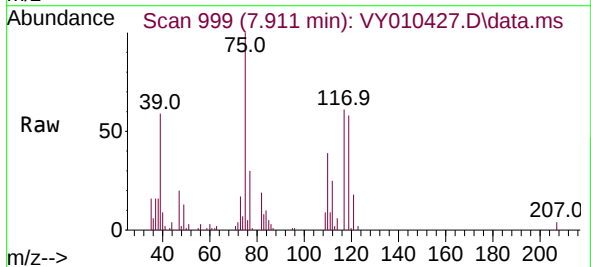
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

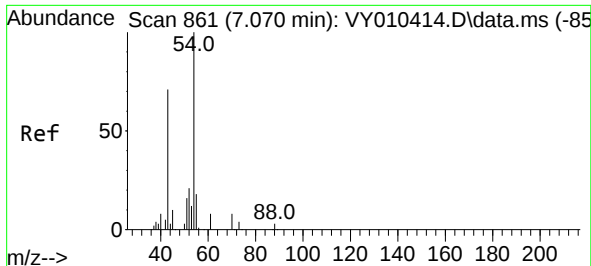
Tgt Ion:113 Resp: 124668
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.347 ug/l
RT: 7.911 min Scan# 999
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 75 Resp: 19417
Ion Ratio Lower Upper
75 100
110 36.0 17.1 51.2
77 29.6 24.4 36.6





#37

Ethyl Acetate

Concen: 5.137 ug/l

RT: 7.064 min Scan# 8

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

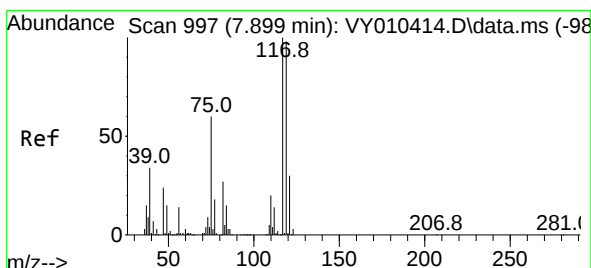
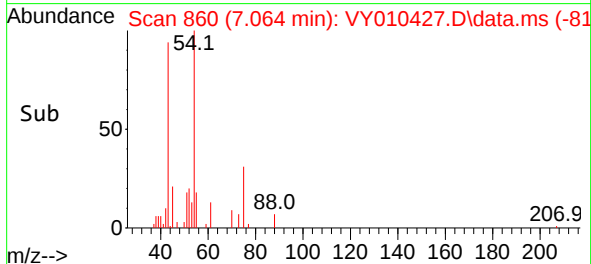
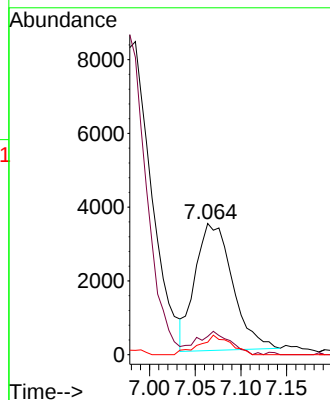
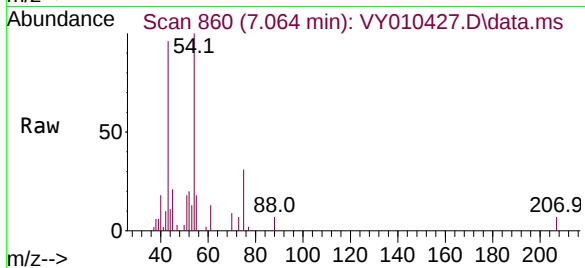
Tgt Ion: 43 Resp: 9806

Ion Ratio Lower Upper

43 100

61 15.5 9.7 14.5#

70 12.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.293 ug/l

RT: 7.893 min Scan# 996

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

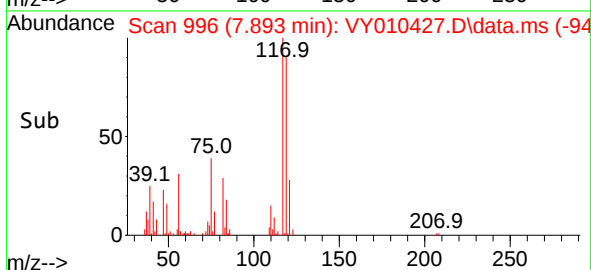
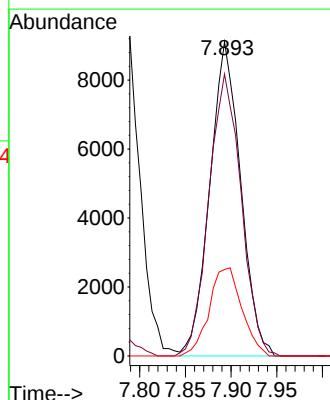
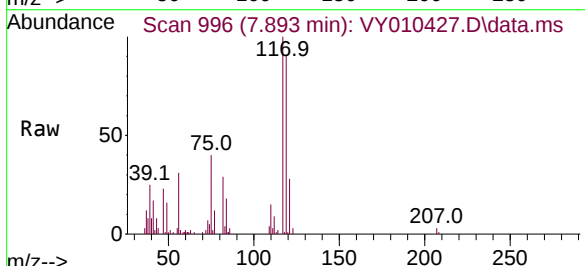
Tgt Ion: 117 Resp: 21383

Ion Ratio Lower Upper

117 100

119 89.8 77.9 116.9

121 27.5 24.8 37.2





#39

Methylcyclohexane

Concen: 5.123 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

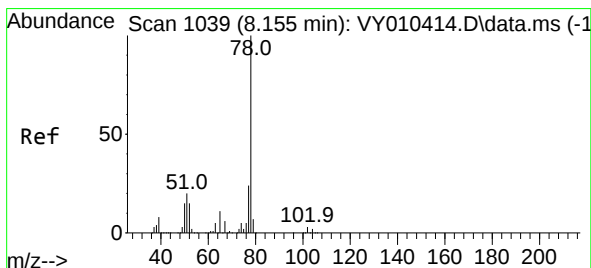
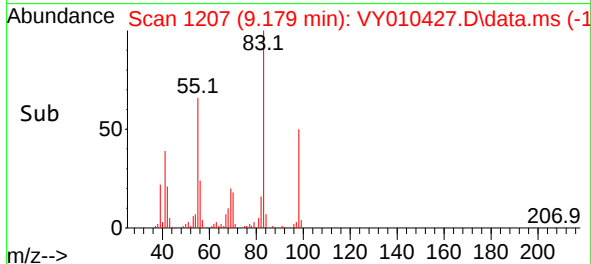
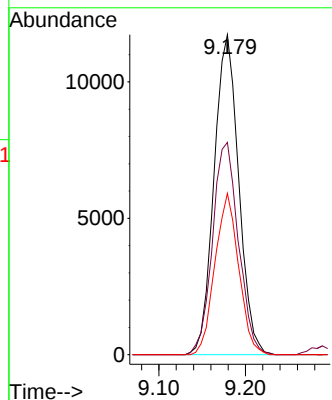
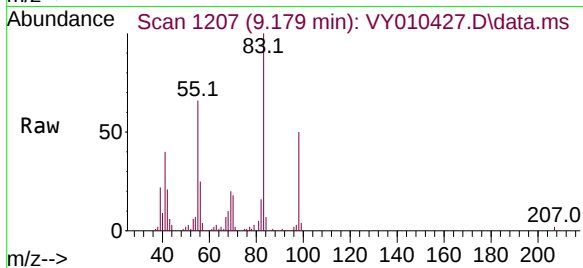
Tgt Ion: 83 Resp: 23196

Ion Ratio Lower Upper

83 100

55 66.3 66.5 99.7#

98 50.4 37.9 56.9



#40

Benzene

Concen: 5.323 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY010427.D

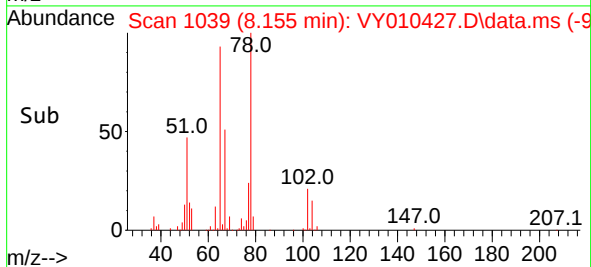
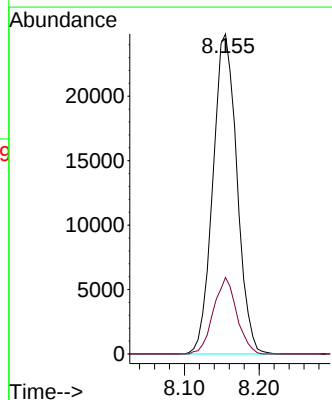
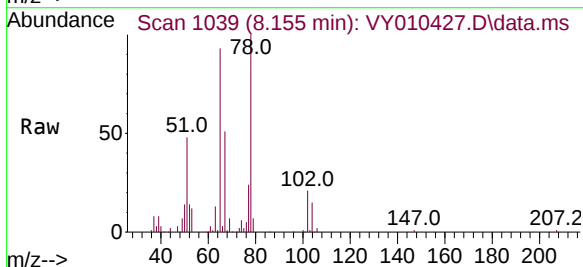
Acq: 09 Sep 2022 18:54

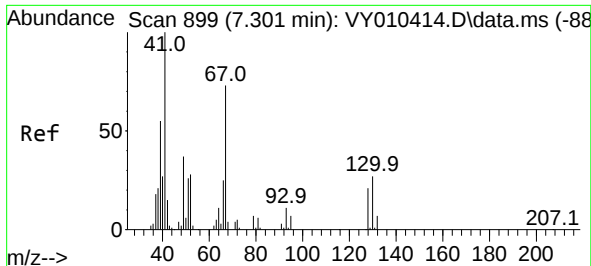
Tgt Ion: 78 Resp: 55641

Ion Ratio Lower Upper

78 100

77 23.9 20.4 30.6

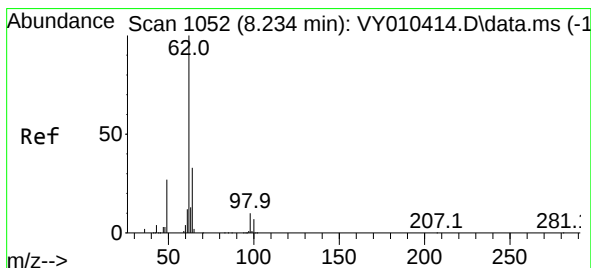
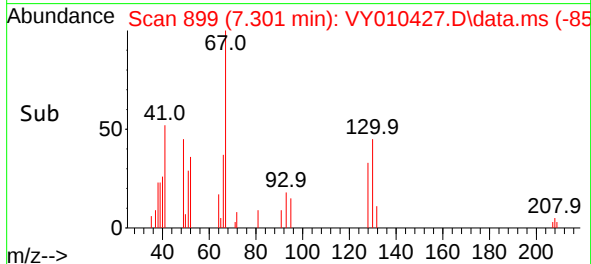
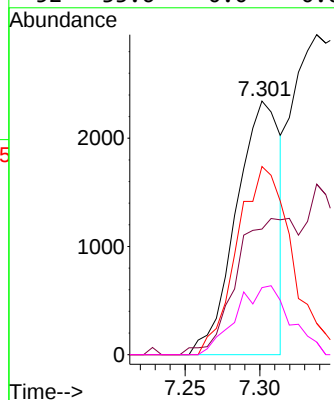
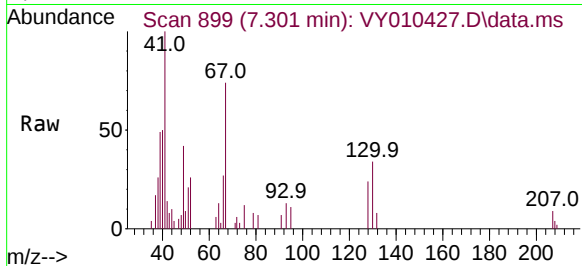




#41
Methacrylonitrile
Concen: 4.387 ug/l
RT: 7.301 min Scan# 899
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

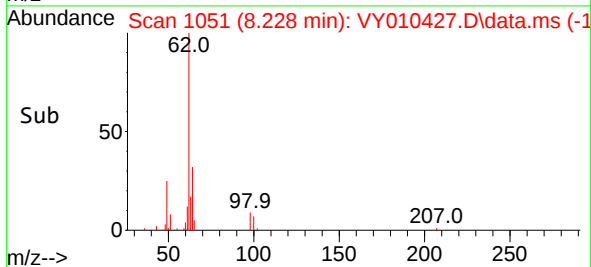
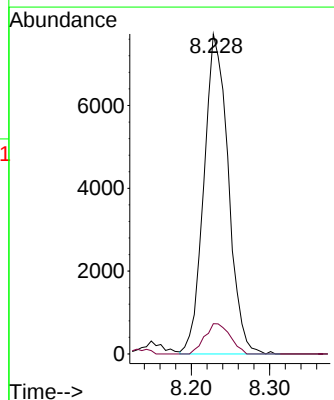
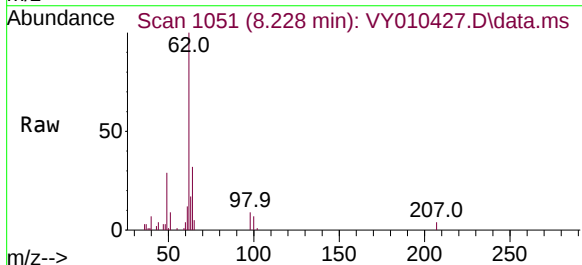
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

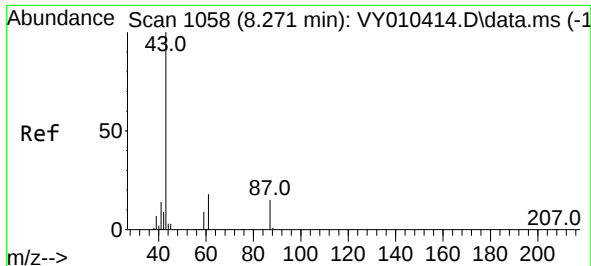
Tgt Ion:	41	Resp:	4787
Ion	Ratio	Lower	Upper
41	100		
39	74.3	92.9	139.3#
67	92.7	0.0	0.0#
52	33.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 5.366 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:	62	Resp:	16681
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	14.8





#43

Isopropyl Acetate

Concen: 4.953 ug/l

RT: 8.271 min Scan# 11058

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

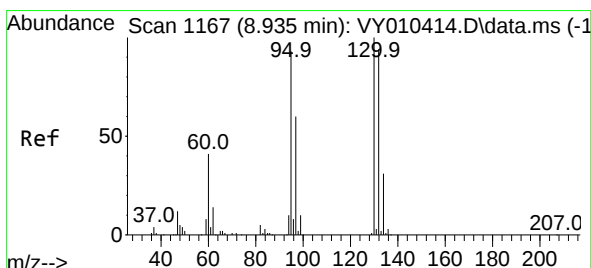
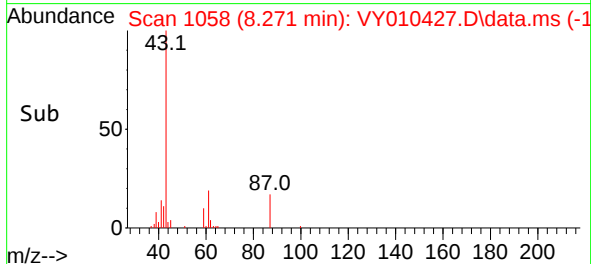
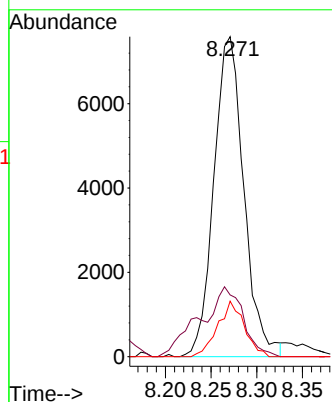
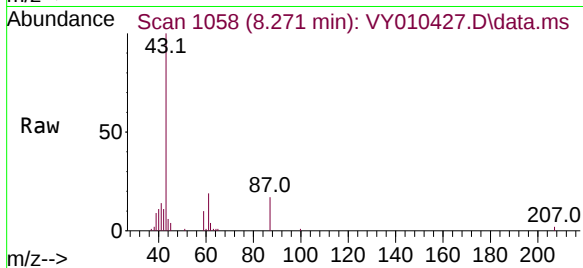
Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:	43	Resp:	17304
Ion	Ratio	Lower	Upper
43	100		
61	20.5	20.2	30.2
87	15.4	8.9	13.3



#44

Trichloroethene

Concen: 5.325 ug/l

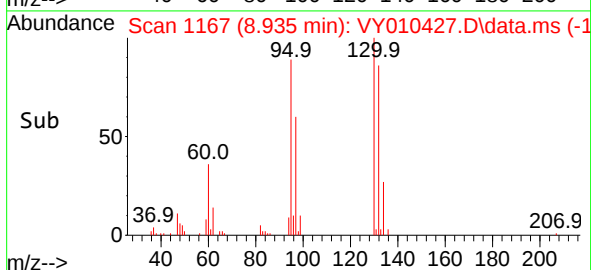
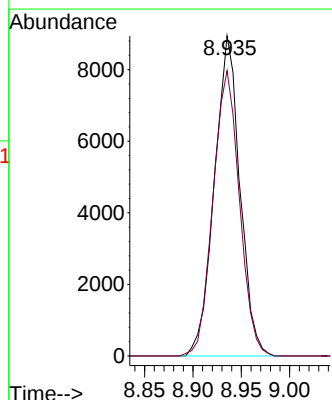
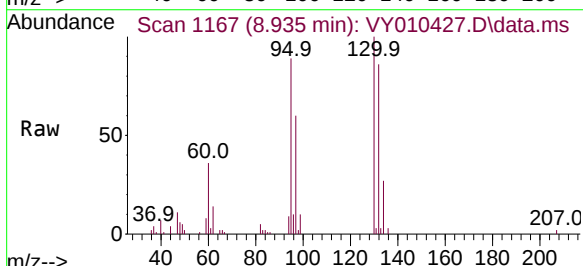
RT: 8.935 min Scan# 1167

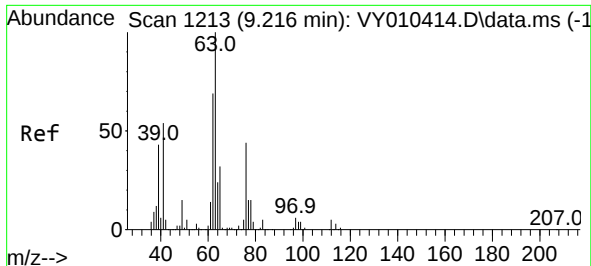
Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Tgt Ion:	130	Resp:	16386
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	188.2





#45

1,2-Dichloropropane

Concen: 5.197 ug/l

RT: 9.210 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

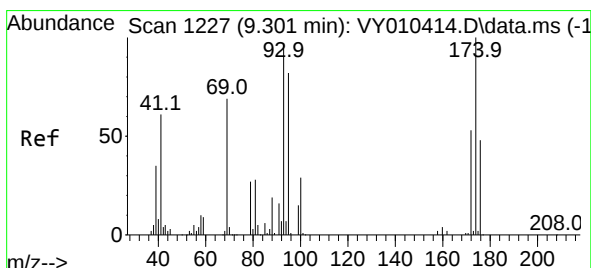
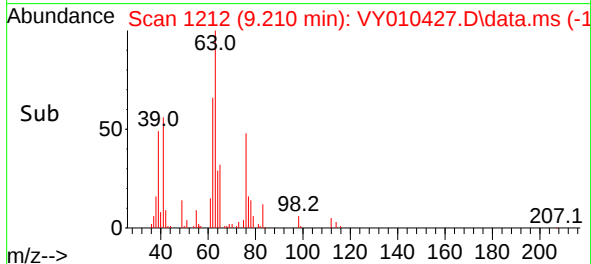
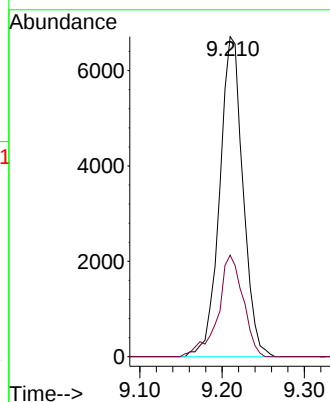
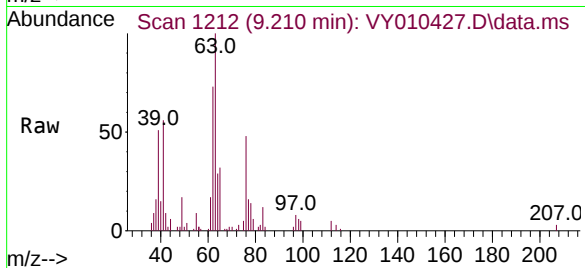
LOQ-SOIL-02-QT3-2022

Tgt Ion: 63 Resp: 13250

Ion Ratio Lower Upper

63 100

65 31.7 23.0 34.6



#46

Dibromomethane

Concen: 5.290 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

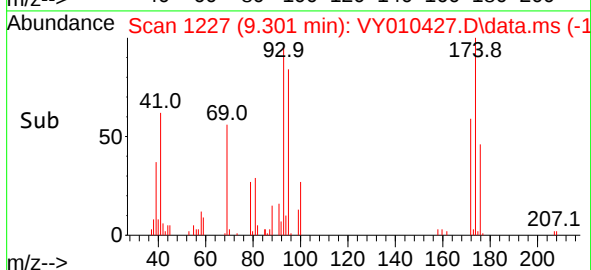
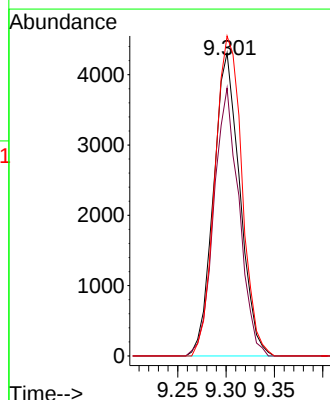
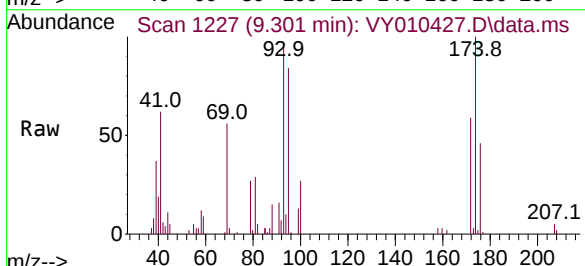
Tgt Ion: 93 Resp: 8133

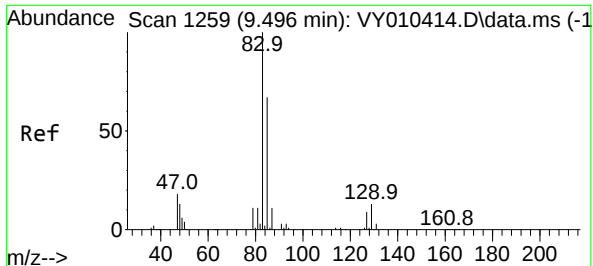
Ion Ratio Lower Upper

93 100

95 84.4 64.3 96.5

174 108.5 83.4 125.0

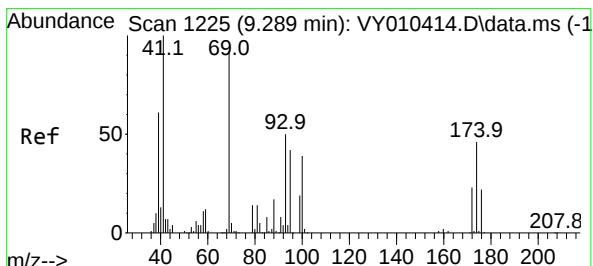
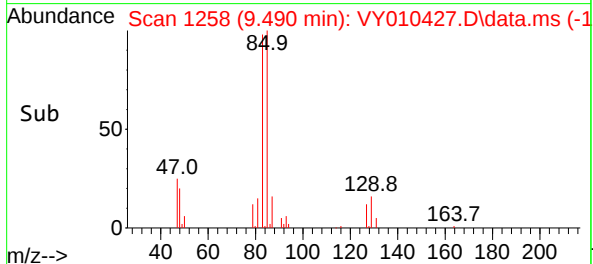
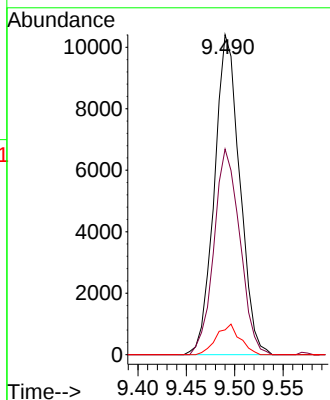
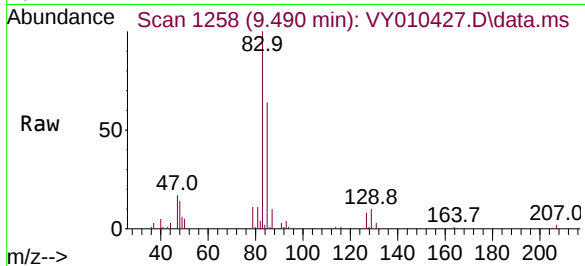




#47
Bromodichloromethane
Concen: 5.196 ug/l
RT: 9.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

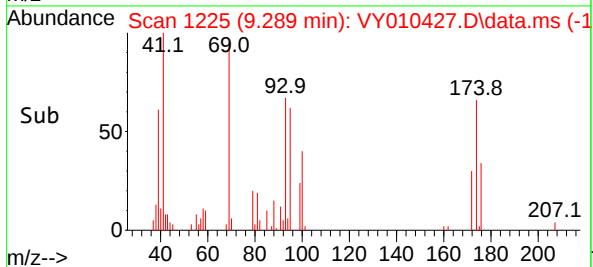
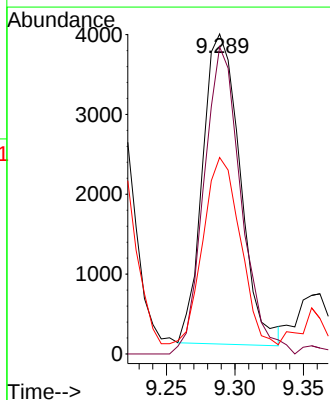
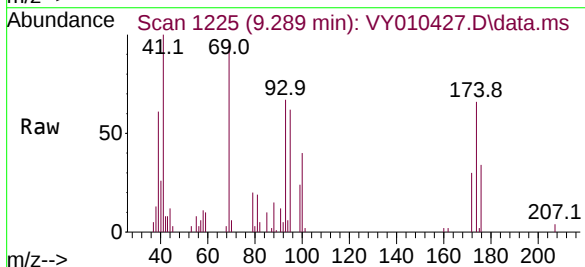
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

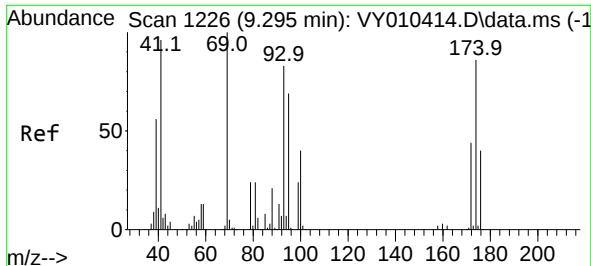
Tgt Ion: 83 Resp: 18973
Ion Ratio Lower Upper
83 100
85 64.3 51.9 77.9
127 7.8 6.6 10.0



#48
Methyl methacrylate
Concen: 4.718 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 41 Resp: 7403
Ion Ratio Lower Upper
41 100
69 97.5 58.2 87.2#
39 66.8 47.4 71.0





#49

1,4-Dioxane

Concen: 101.369 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

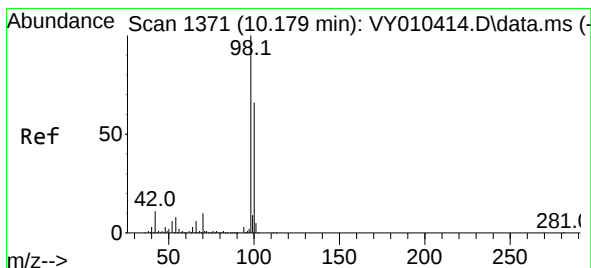
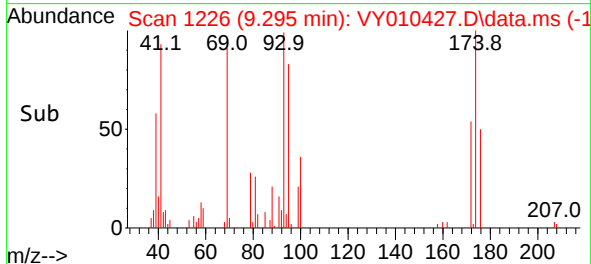
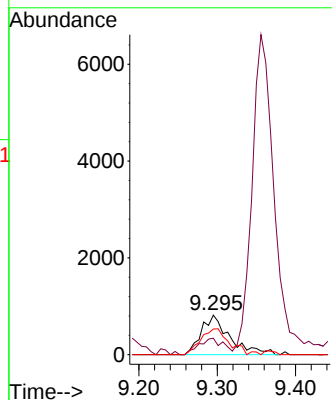
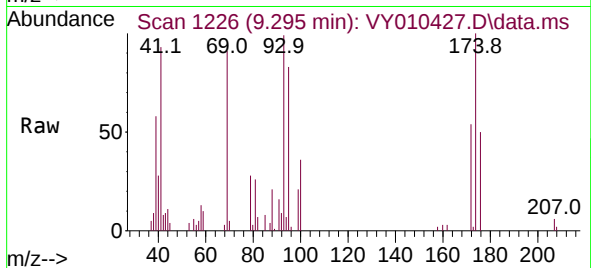
Tgt Ion: 88 Resp: 2063

Ion Ratio Lower Upper

88 100

43 35.6 32.8 49.2

58 66.2 59.8 89.6



#50

Toluene-d8

Concen: 53.911 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010427.D

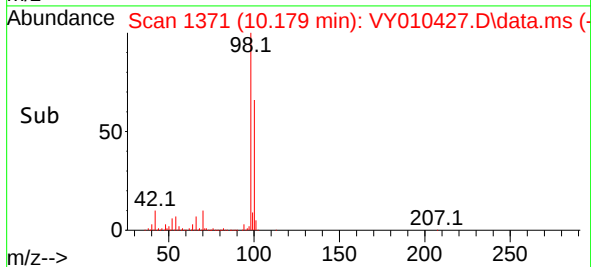
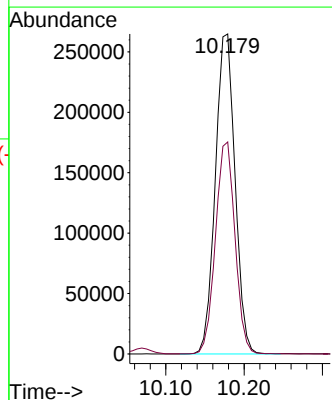
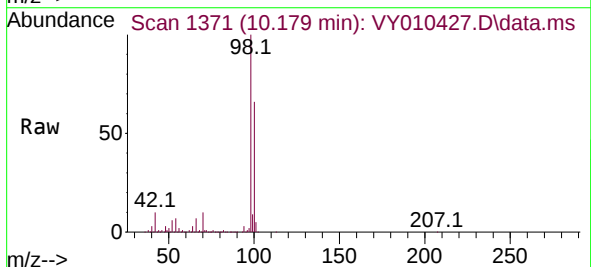
Acq: 09 Sep 2022 18:54

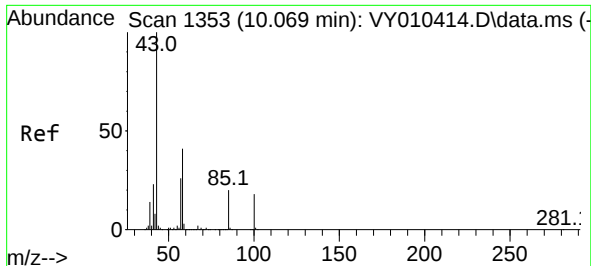
Tgt Ion: 98 Resp: 463442

Ion Ratio Lower Upper

98 100

100 65.7 50.2 75.2

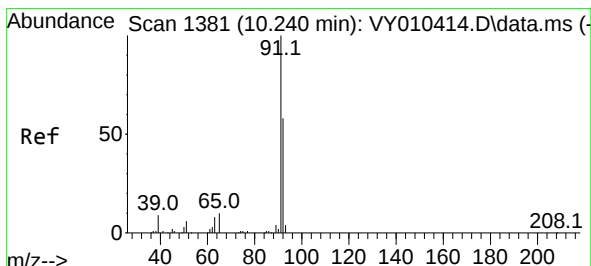
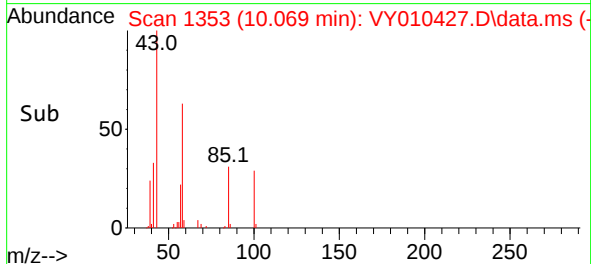
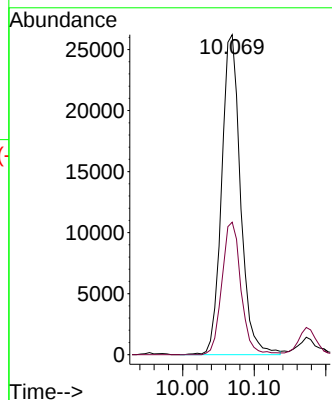
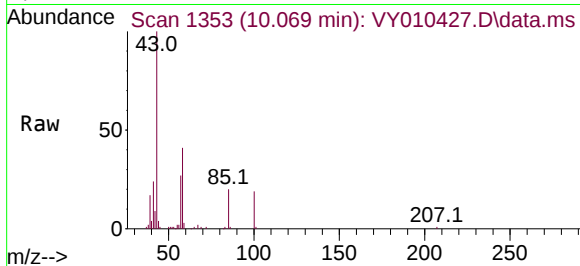




#51
4-Methyl-2-Pentanone
Concen: 25.120 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

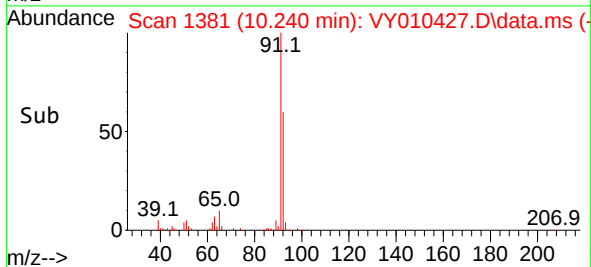
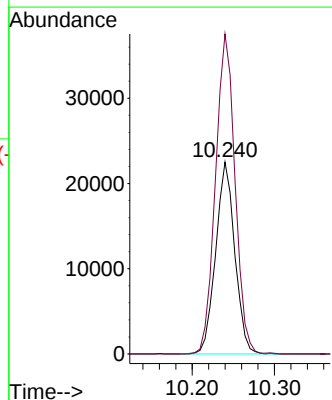
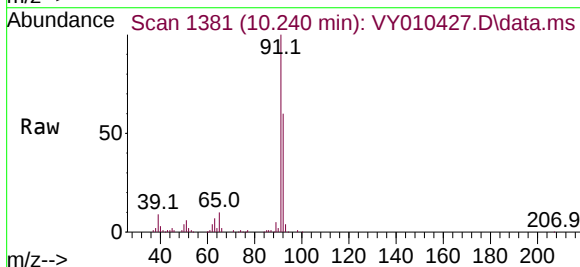
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

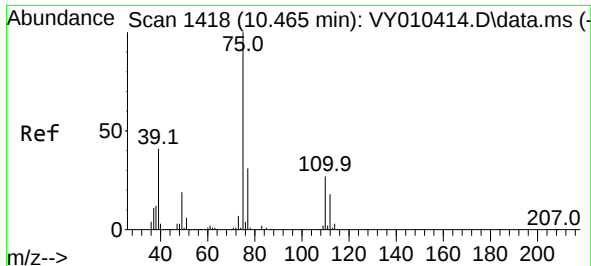
Tgt Ion: 43 Resp: 48135
Ion Ratio Lower Upper
43 100
58 41.8 28.1 42.1



#52
Toluene
Concen: 5.308 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 92 Resp: 36311
Ion Ratio Lower Upper
92 100
91 170.7 142.6 213.8





#53

t-1,3-Dichloropropene

Concen: 4.761 ug/l

RT: 10.459 min Scan# 1418

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

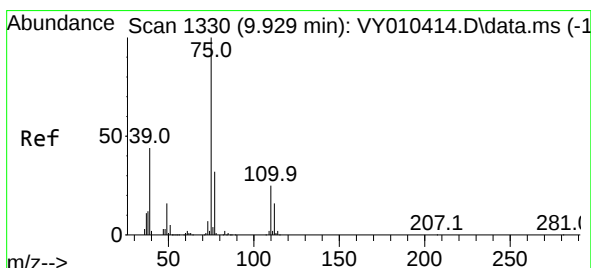
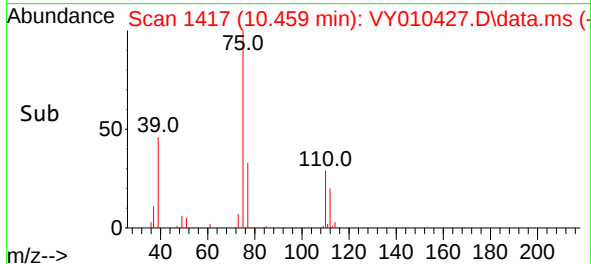
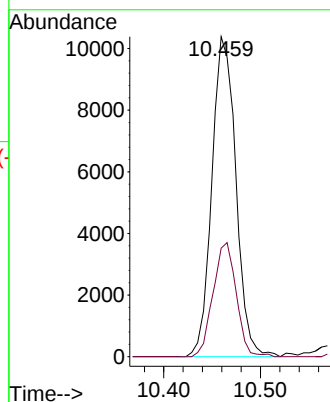
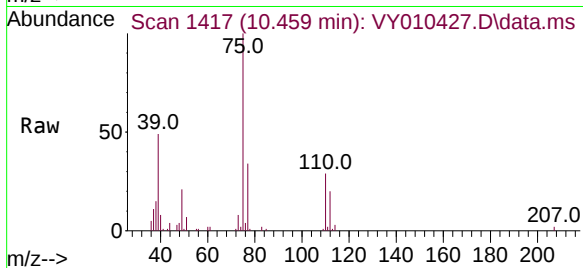
LOQ-SOIL-02-QT3-2022

Tgt Ion: 75 Resp: 17892

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 5.012 ug/l

RT: 9.923 min Scan# 1329

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

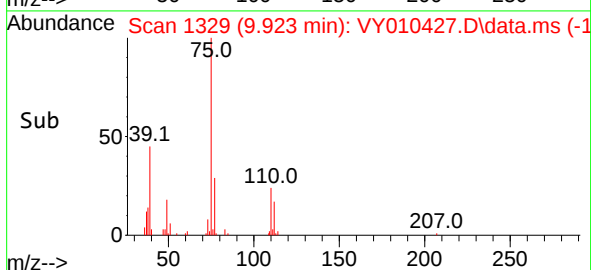
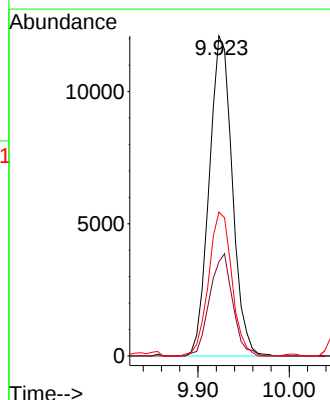
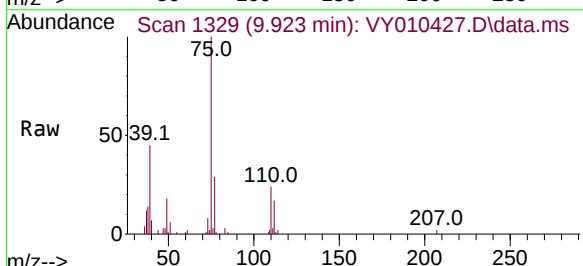
Tgt Ion: 75 Resp: 21244

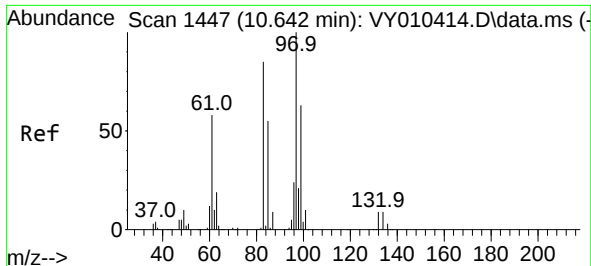
Ion Ratio Lower Upper

75 100

77 29.4 25.6 38.4

39 45.0 47.6 71.4#

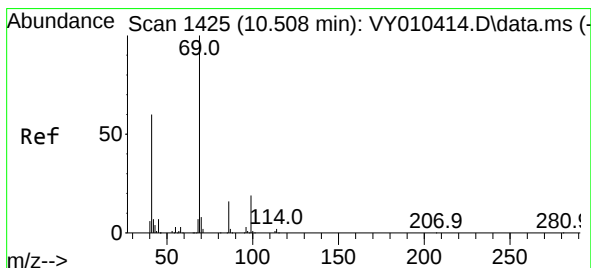
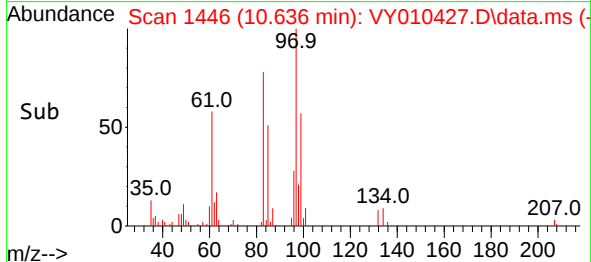
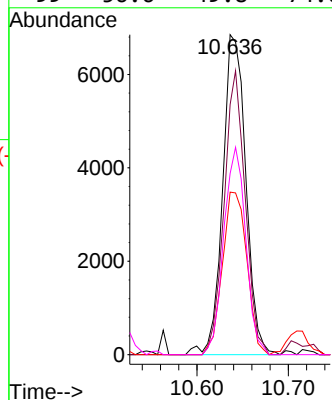
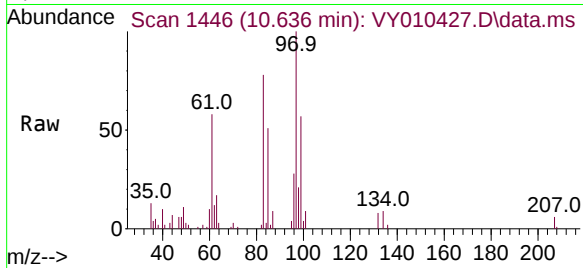




#55
1,1,2-Trichloroethane
Concen: 5.517 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

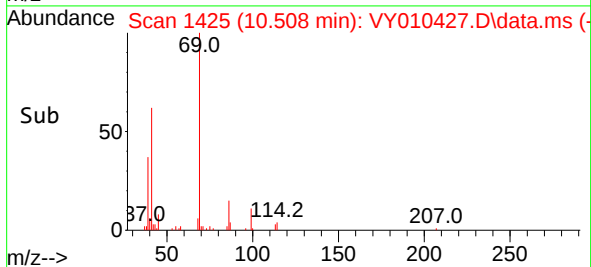
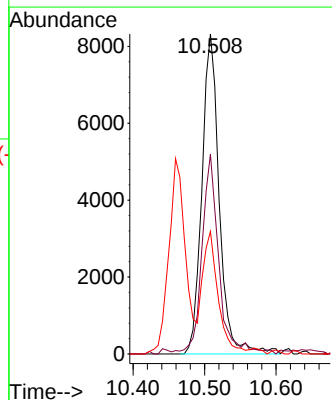
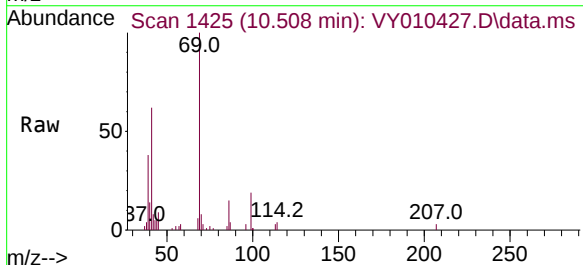
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022

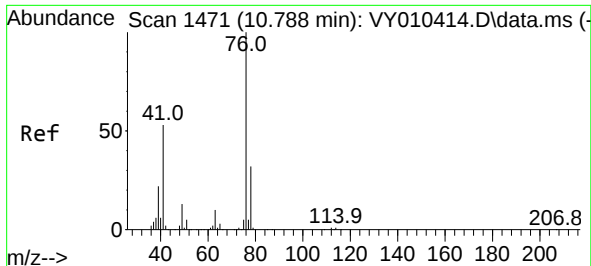
Tgt Ion: 97	Resp: 12065
Ion Ratio	Lower Upper
97 100	
83 78.2	69.8 104.8
85 50.8	44.3 66.5
99 56.6	49.8 74.6



#56
Ethyl methacrylate
Concen: 4.893 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 69	Resp: 14053
Ion Ratio	Lower Upper
69 100	
41 60.4	63.4 95.0#
39 31.8	35.8 53.8#





#57

1,3-Dichloropropane

Concen: 5.311 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

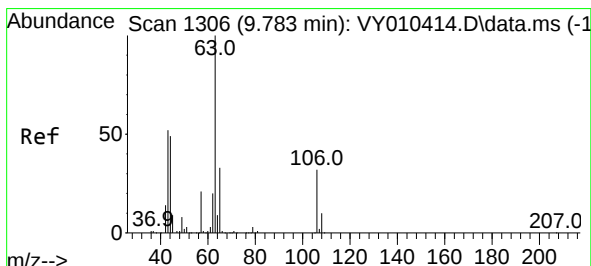
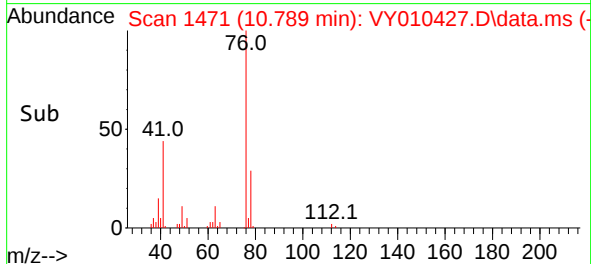
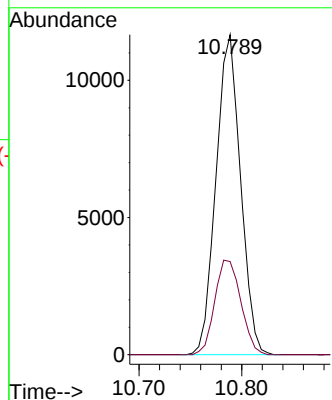
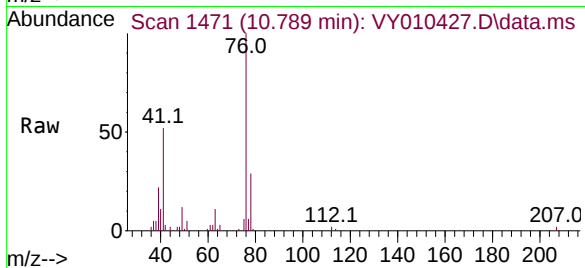
LOQ-SOIL-02-QT3-2022

Tgt Ion: 76 Resp: 19311

Ion Ratio Lower Upper

76 100

78 31.4 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 36.707 ug/l

RT: 9.777 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VY010427.D

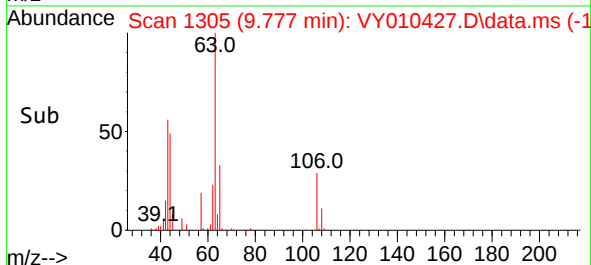
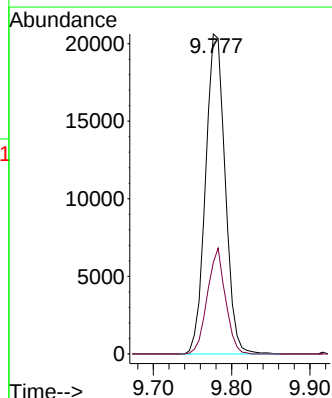
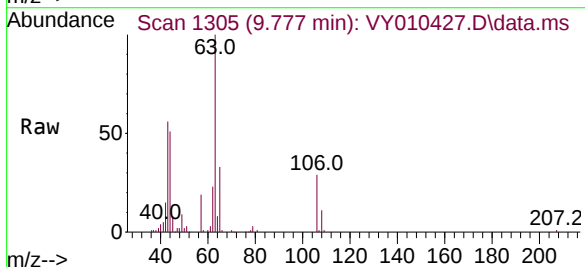
Acq: 09 Sep 2022 18:54

Tgt Ion: 63 Resp: 35864

Ion Ratio Lower Upper

63 100

106 30.4 21.5 32.3

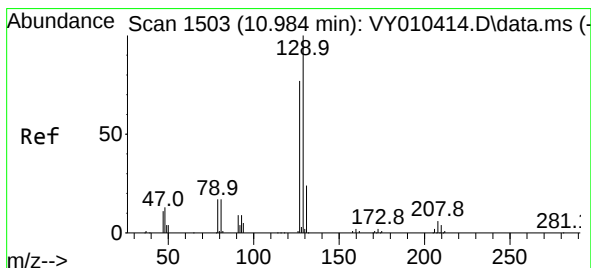
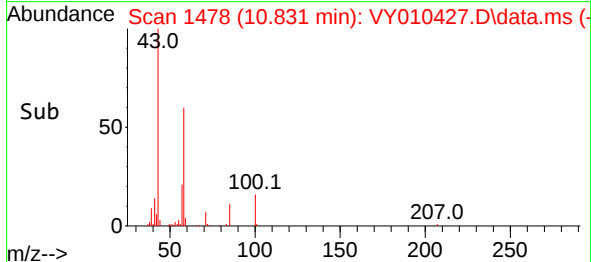
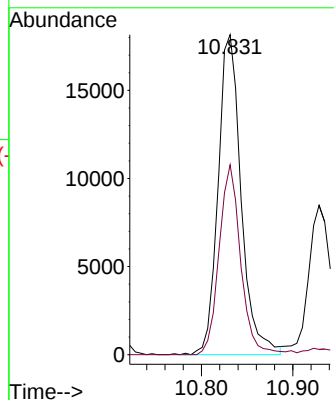
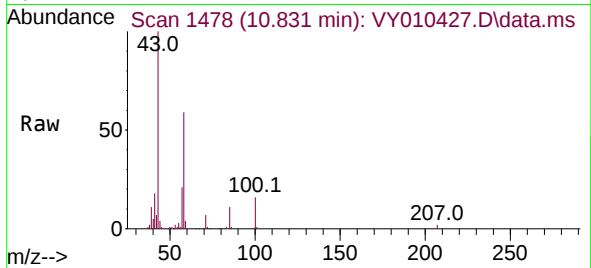




#59
2-Hexanone
Concen: 24.379 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

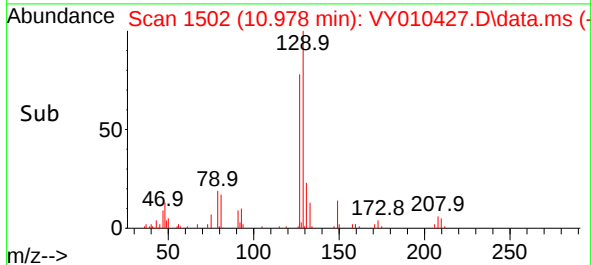
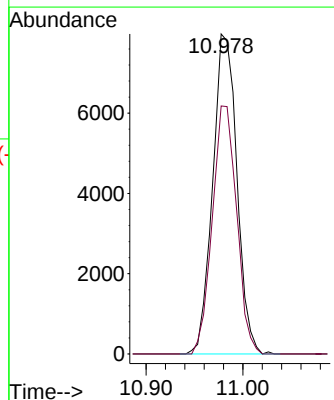
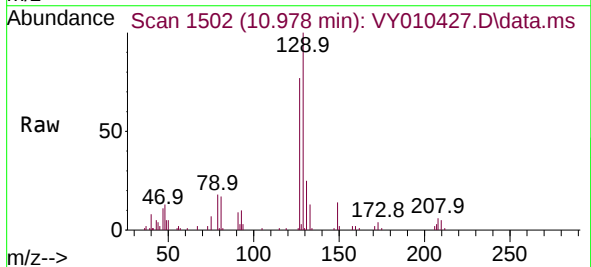
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

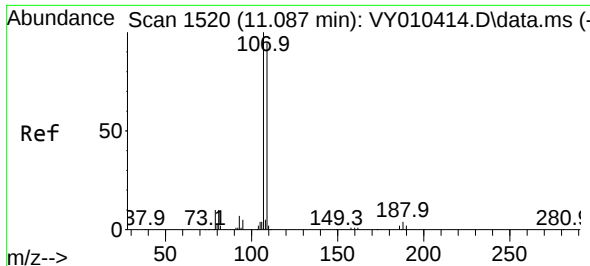
Tgt Ion: 43 Resp: 31844
Ion Ratio Lower Upper
43 100
58 55.5 24.4 73.4



#60
Dibromochloromethane
Concen: 5.181 ug/l
RT: 10.978 min Scan# 1502
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 129 Resp: 13845
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1

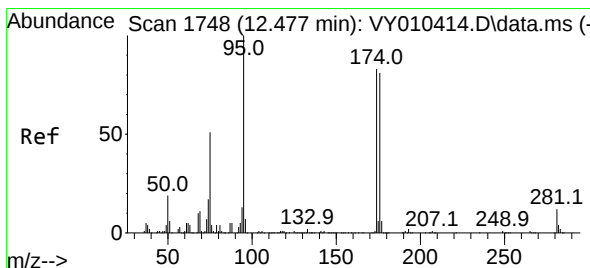
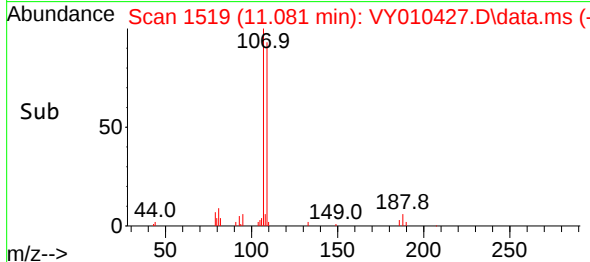
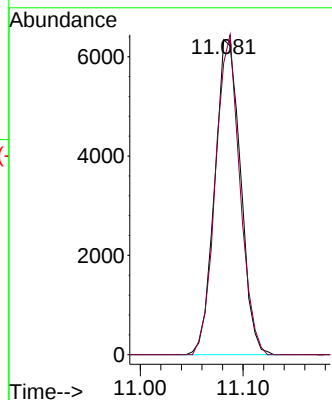
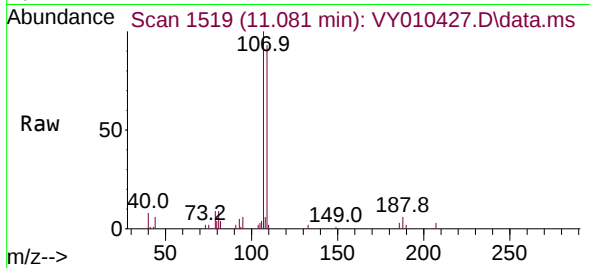




#61
1,2-Dibromoethane
Concen: 5.197 ug/l
RT: 11.081 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

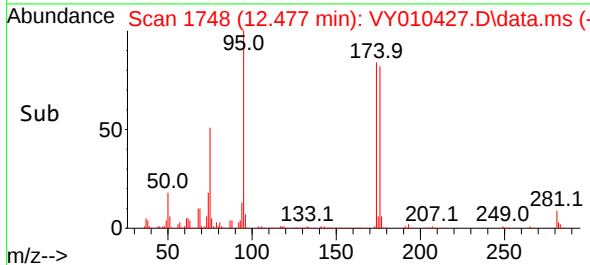
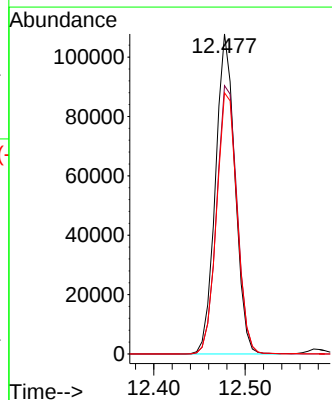
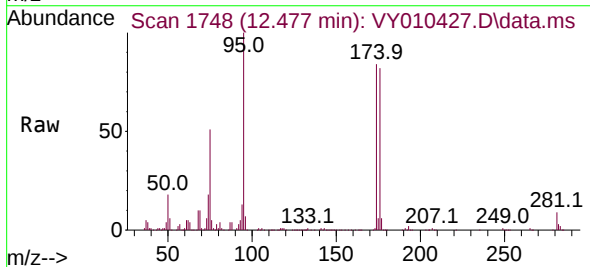
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

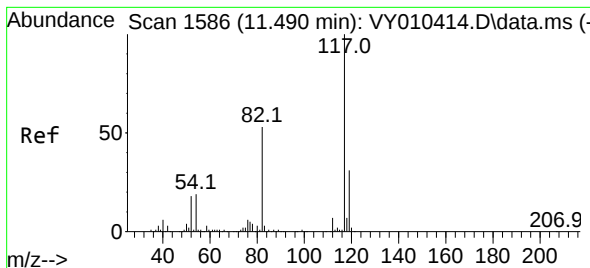
Tgt Ion:107 Resp: 11032
Ion Ratio Lower Upper
107 100
109 96.4 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 40.557 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 95 Resp: 159992
Ion Ratio Lower Upper
95 100
174 87.7 0.0 177.0
176 85.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

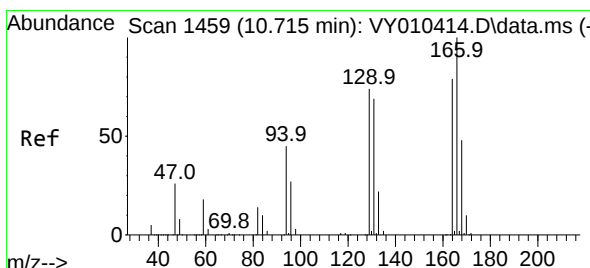
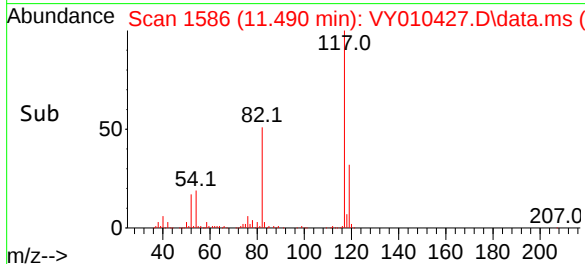
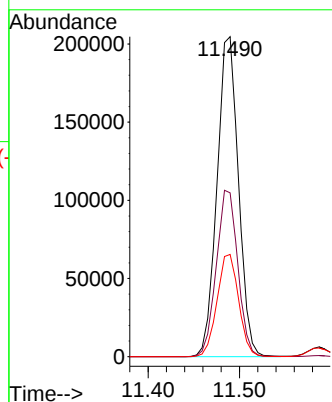
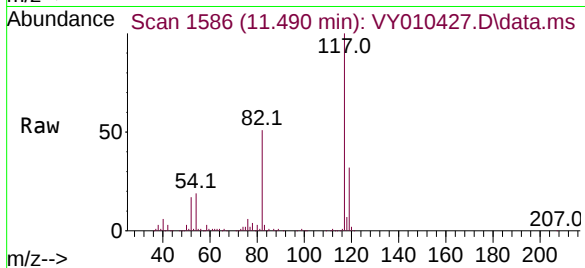
Tgt Ion:117 Resp: 333680

Ion Ratio Lower Upper

117 100

82 51.2 43.0 64.4

119 31.9 25.4 38.0



#64

Tetrachloroethene

Concen: 5.473 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Tgt Ion:164 Resp: 16462

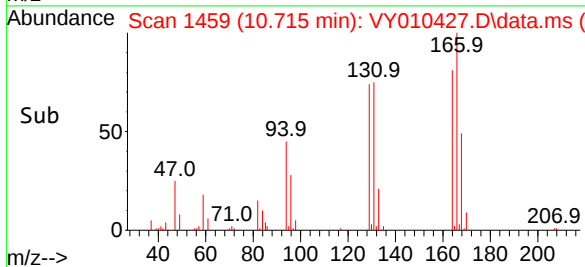
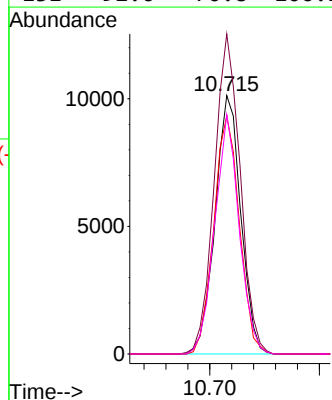
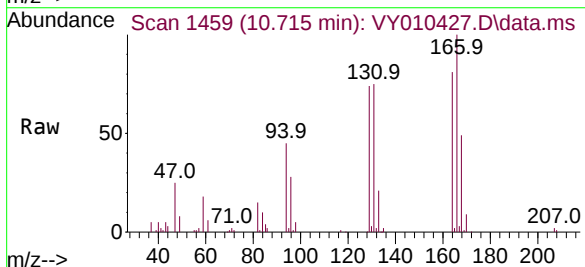
Ion Ratio Lower Upper

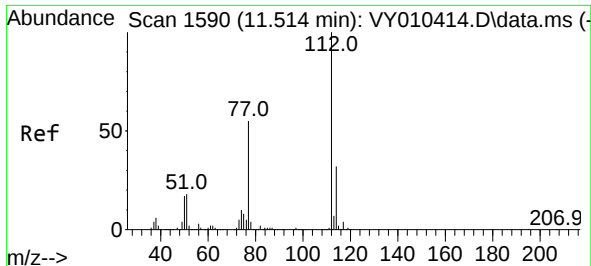
164 100

166 123.8 100.4 150.6

129 92.1 71.4 107.0

131 92.6 70.8 106.2

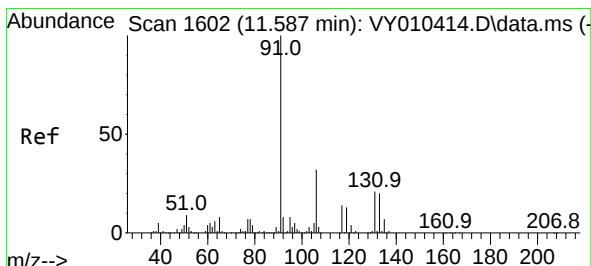
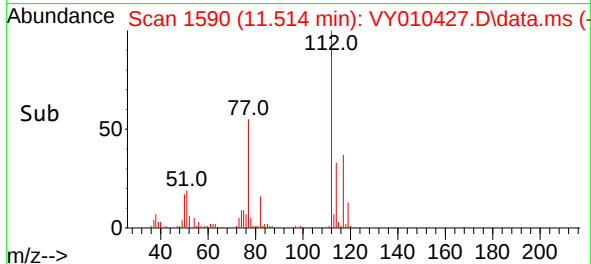
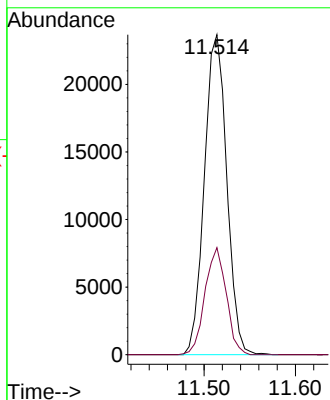
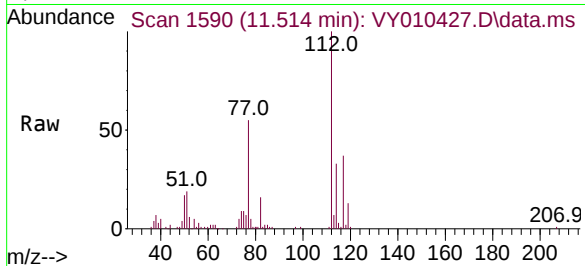




#65
Chlorobenzene
Concen: 5.392 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

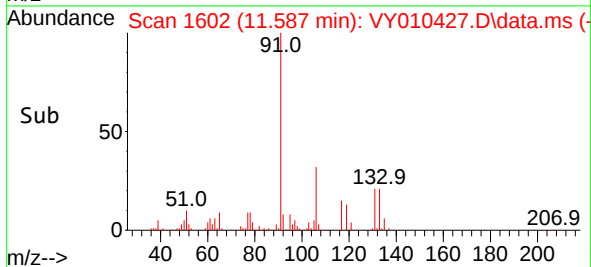
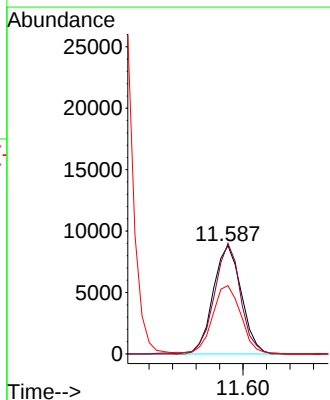
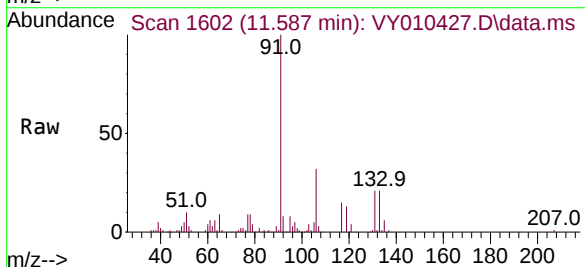
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

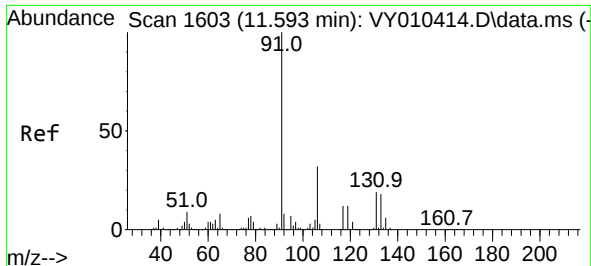
Tgt Ion:112 Resp: 40237
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 5.306 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:131 Resp: 14665
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 63.9 30.8 92.3





#67

Ethyl Benzene

Concen: 5.173 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

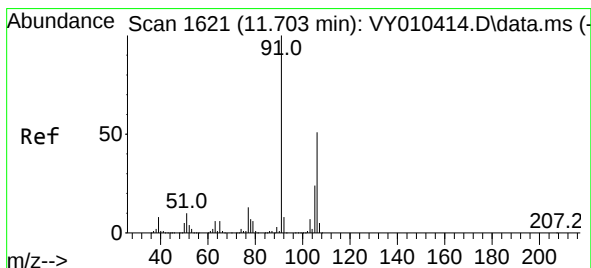
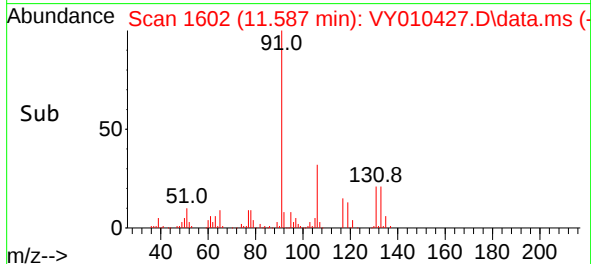
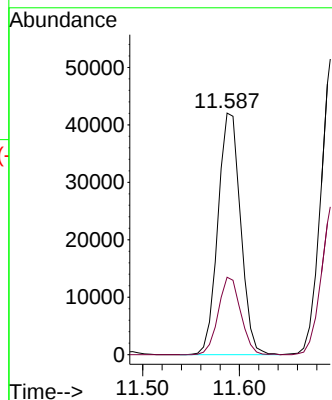
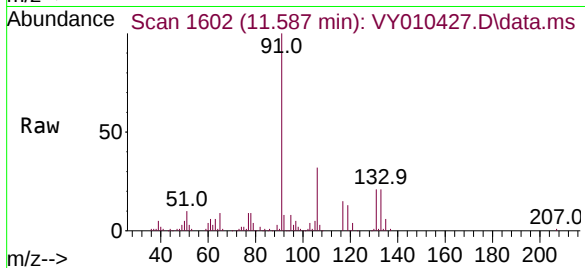
LOQ-SOIL-02-QT3-2022

Tgt Ion: 91 Resp: 68322

Ion Ratio Lower Upper

91 100

106 32.0 24.5 36.7



#68

m/p-Xylenes

Concen: 10.118 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY010427.D

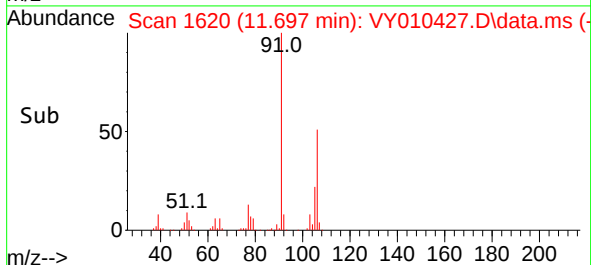
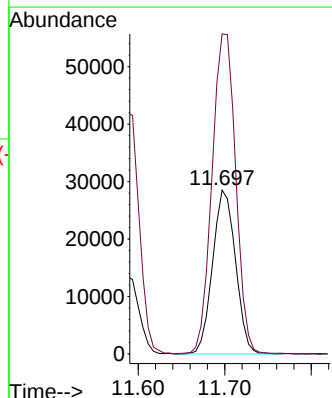
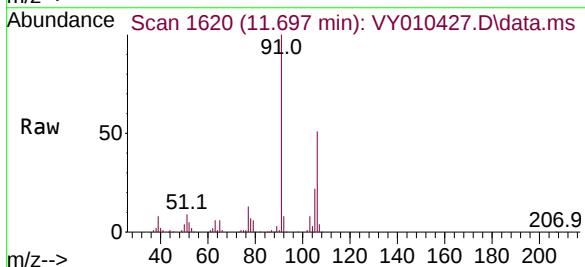
Acq: 09 Sep 2022 18:54

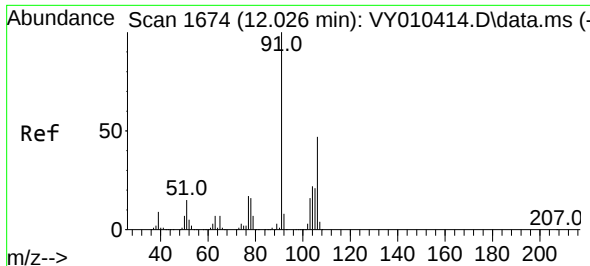
Tgt Ion:106 Resp: 52463

Ion Ratio Lower Upper

106 100

91 202.3 166.6 249.8

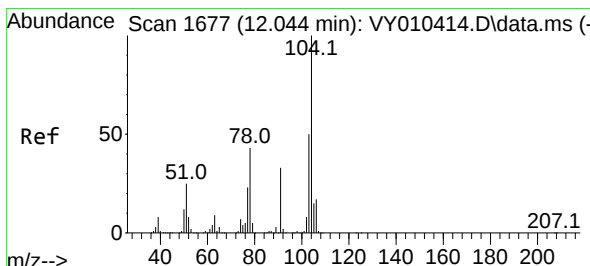
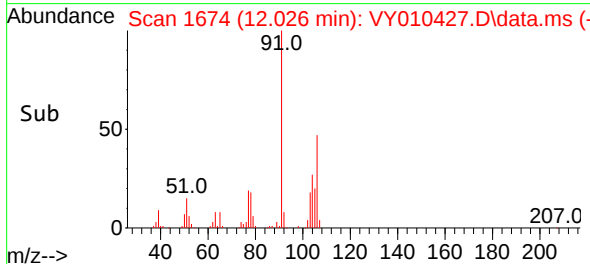
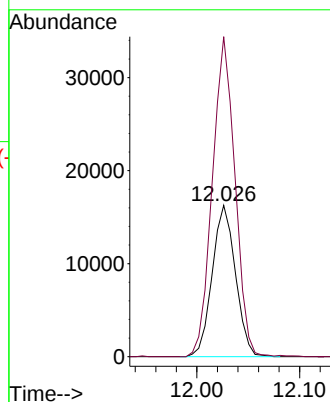
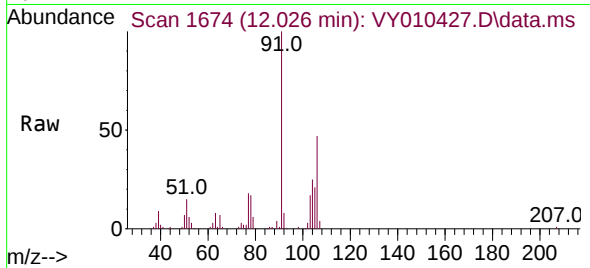




#69
o-Xylene
Concen: 5.155 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

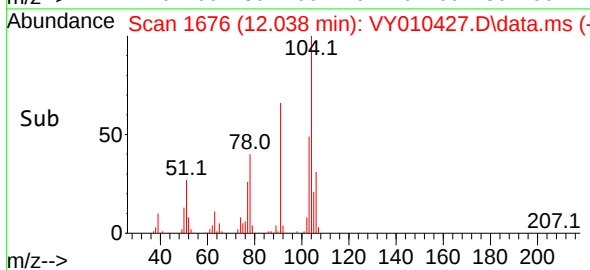
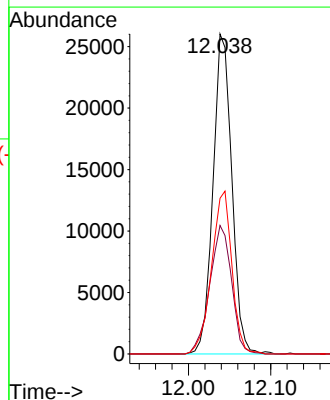
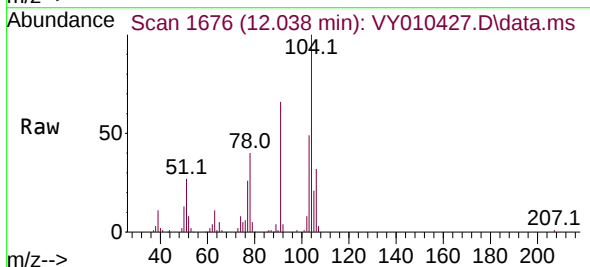
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:106 Resp: 25524
Ion Ratio Lower Upper
106 100
91 206.2 110.3 331.0



#70
Styrene
Concen: 4.937 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:104 Resp: 41366
Ion Ratio Lower Upper
104 100
78 46.3 42.4 63.6
103 55.2 44.4 66.6





#71

Bromoform

Concen: 5.089 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

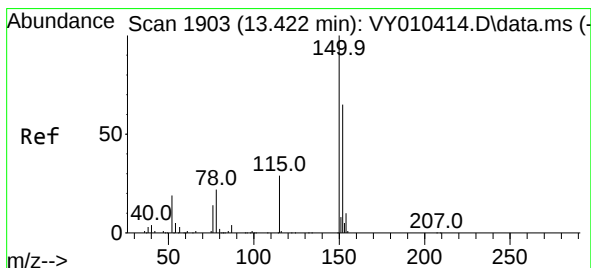
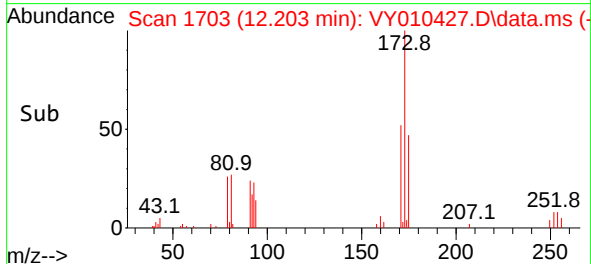
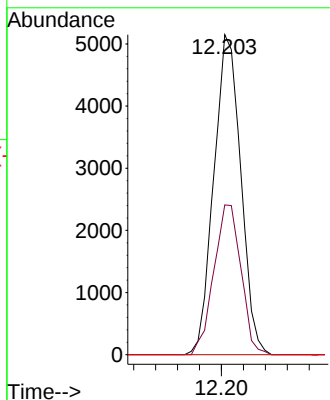
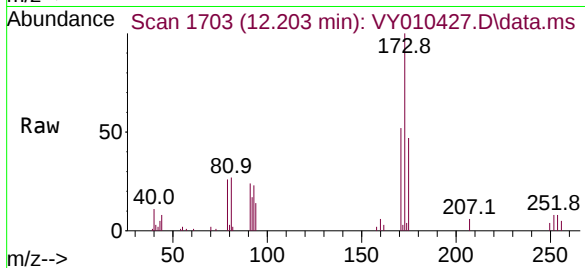
Tgt Ion:173 Resp: 8794

Ion Ratio Lower Upper

173 100

175 47.2 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

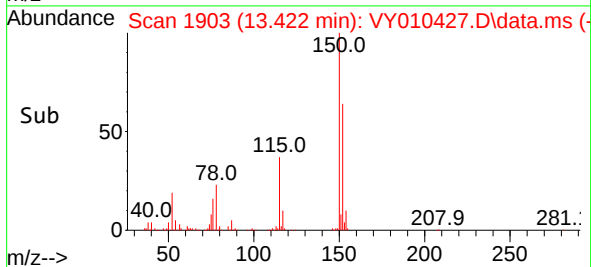
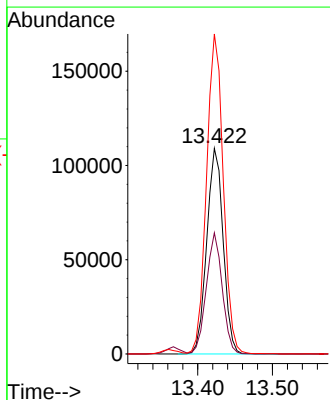
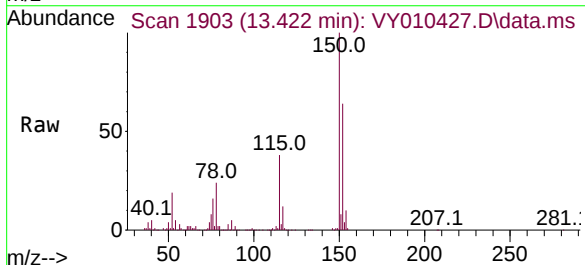
Tgt Ion:152 Resp: 166256

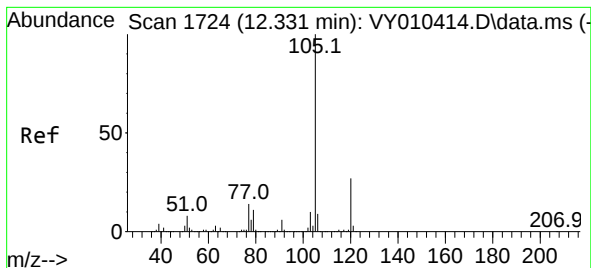
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 158.6 0.0 347.6





#73

Isopropylbenzene

Concen: 5.245 ug/l

RT: 12.325 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

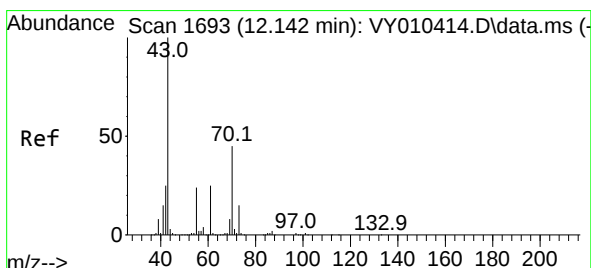
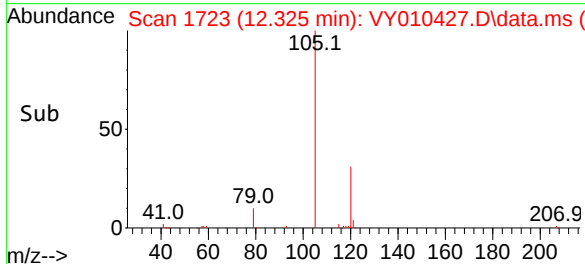
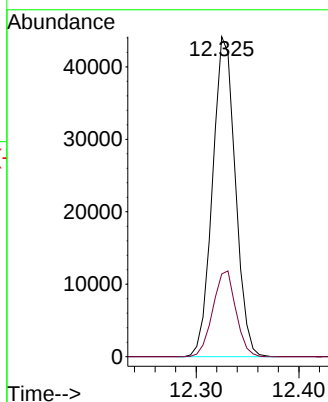
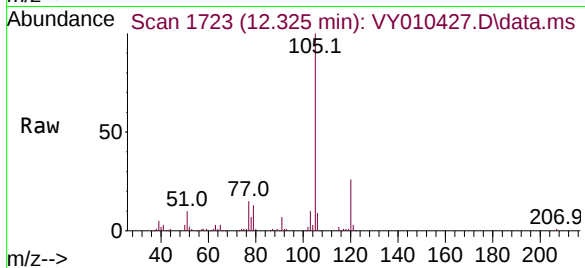
LOQ-SOIL-02-QT3-2022

Tgt Ion:105 Resp: 68040

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 4.563 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Tgt Ion: 43 Resp: 13812

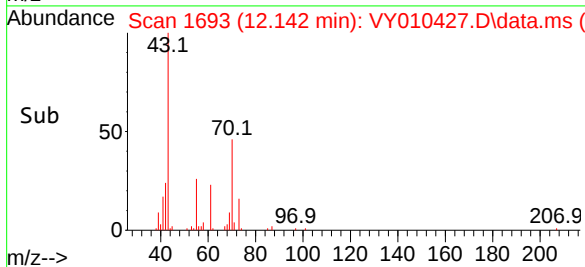
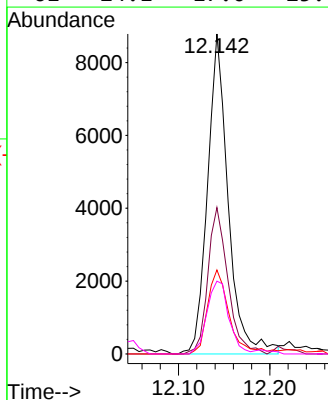
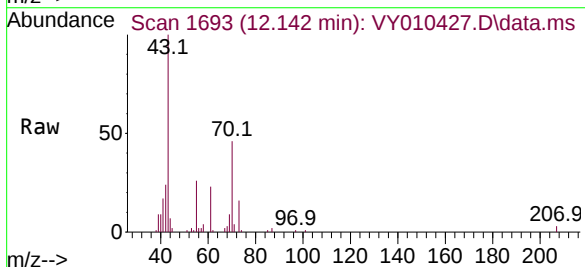
Ion Ratio Lower Upper

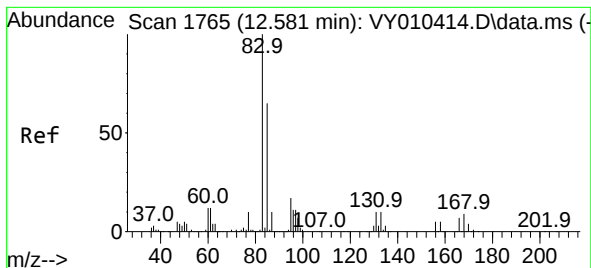
43 100

70 44.4 28.7 43.1#

55 27.8 17.3 25.9#

61 24.1 17.0 25.6





#75

1,1,2-Tetrachloroethane

Concen: 5.668 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

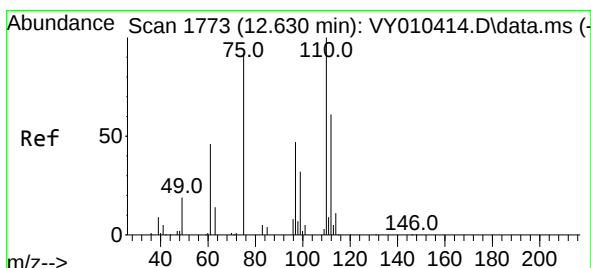
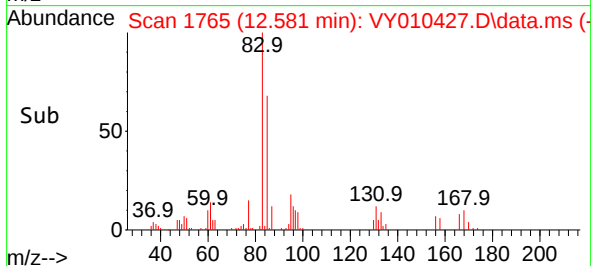
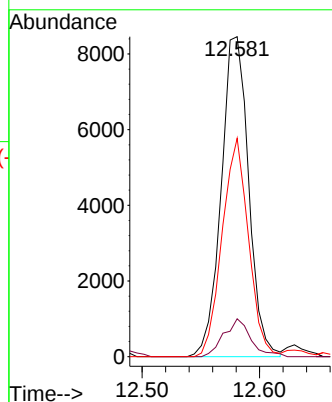
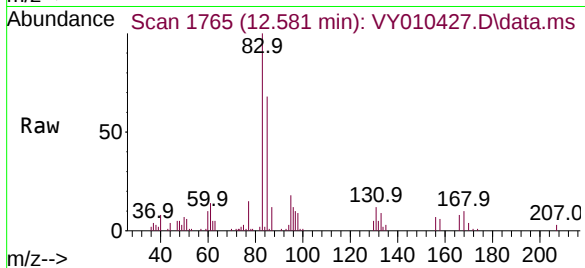
Tgt Ion: 83 Resp: 13753

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

85 65.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 9.450 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY010427.D

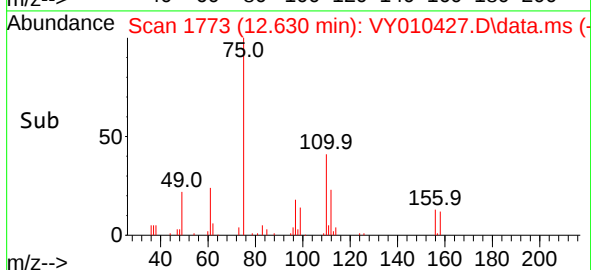
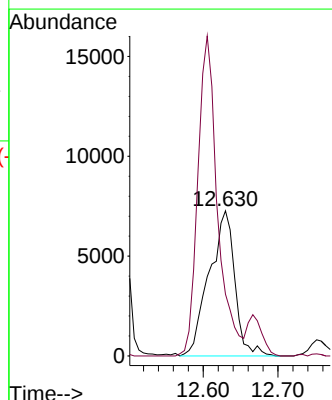
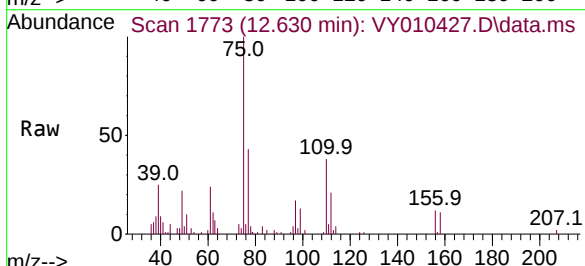
Acq: 09 Sep 2022 18:54

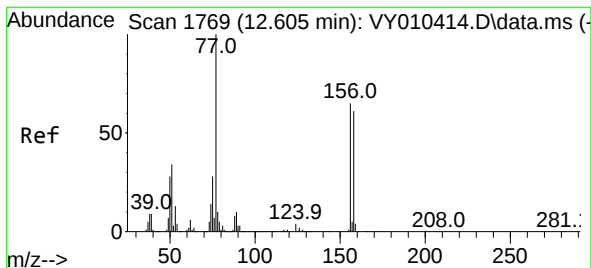
Tgt Ion: 75 Resp: 17340

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.530 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

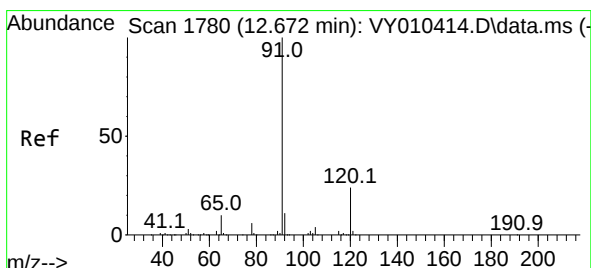
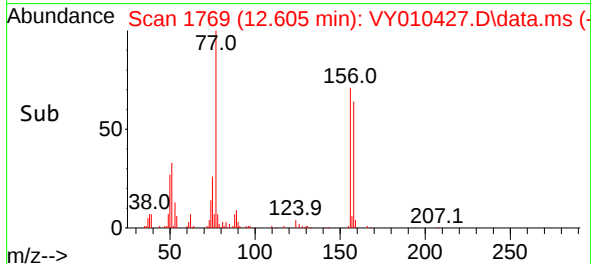
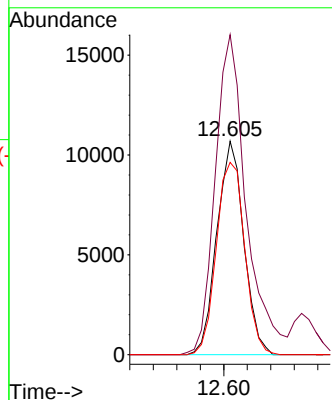
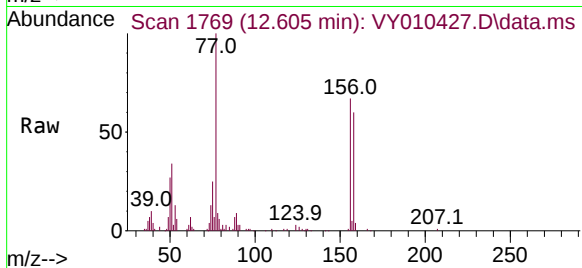
Tgt Ion:156 Resp: 16999

Ion Ratio Lower Upper

156 100

77 173.0 95.5 286.4

158 95.0 48.0 144.0



#78

n-propylbenzene

Concen: 5.259 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY010427.D

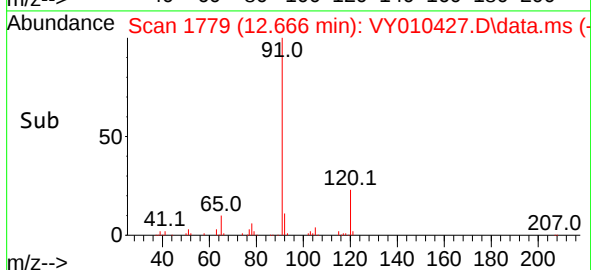
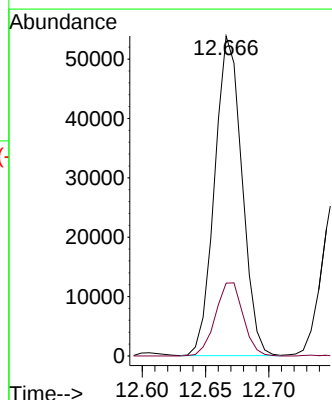
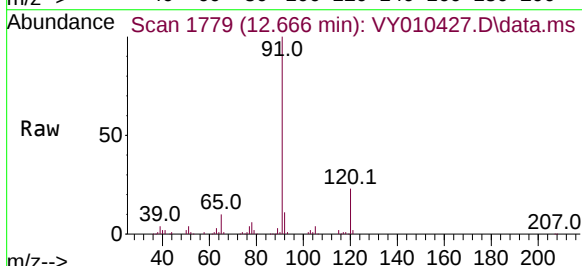
Acq: 09 Sep 2022 18:54

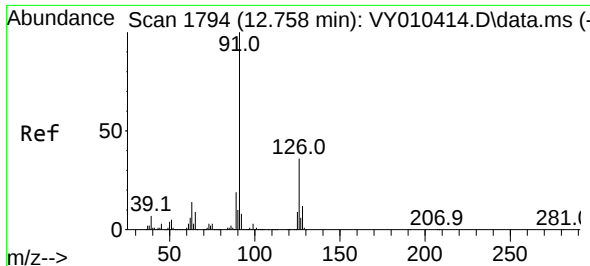
Tgt Ion: 91 Resp: 80782

Ion Ratio Lower Upper

91 100

120 23.3 11.3 33.9





#79

2-Chlorotoluene

Concen: 5.390 ug/l

RT: 12.752 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

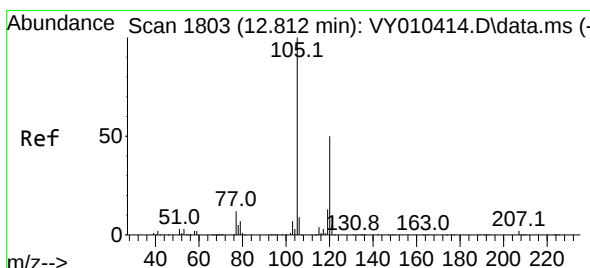
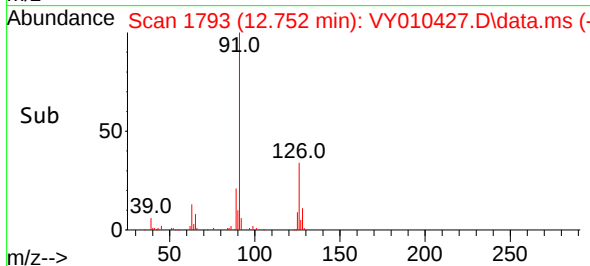
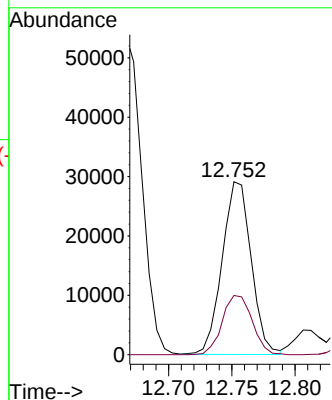
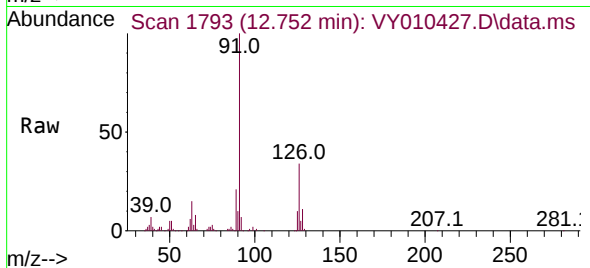
LOQ-SOIL-02-QT3-2022

Tgt Ion: 91 Resp: 46507

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 5.222 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY010427.D

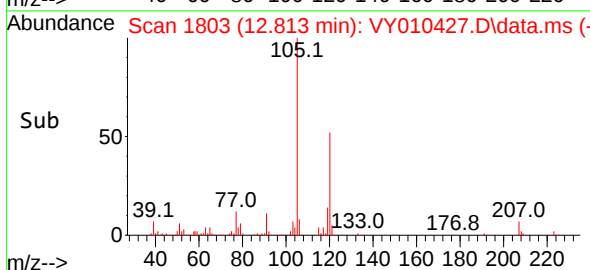
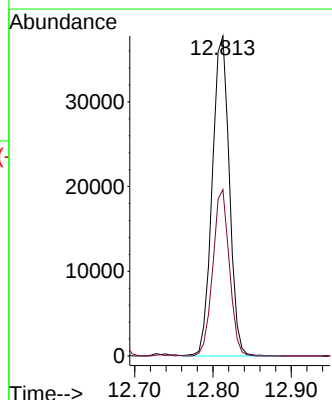
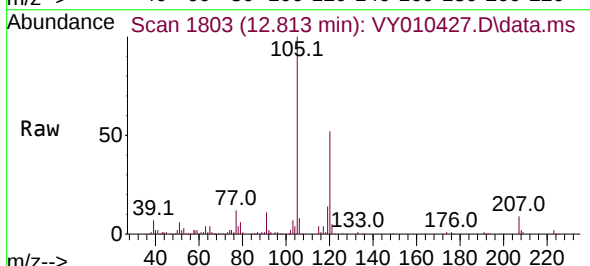
Acq: 09 Sep 2022 18:54

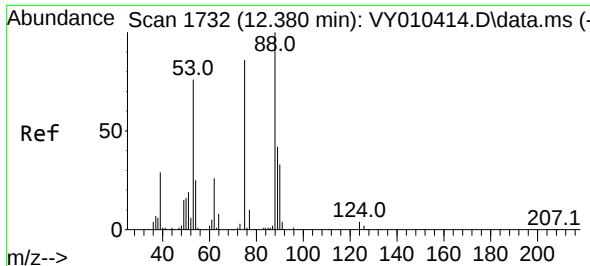
Tgt Ion: 105 Resp: 57157

Ion Ratio Lower Upper

105 100

120 50.4 24.4 73.4

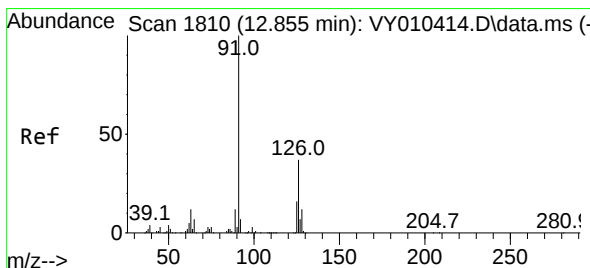
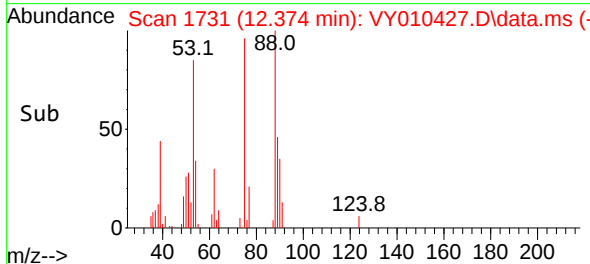
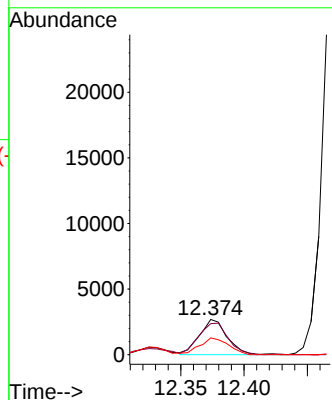
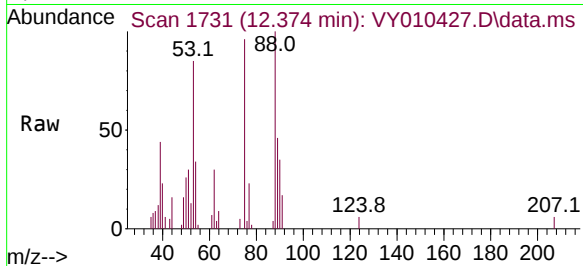




#81
trans-1,4-Dichloro-2-butene
Concen: 4.926 ug/l
RT: 12.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

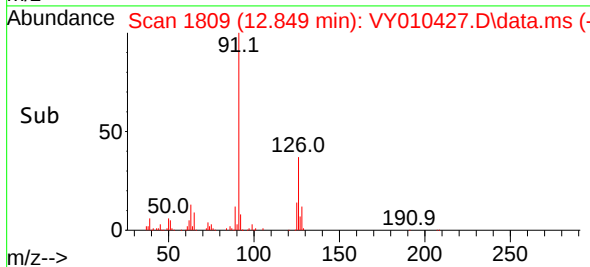
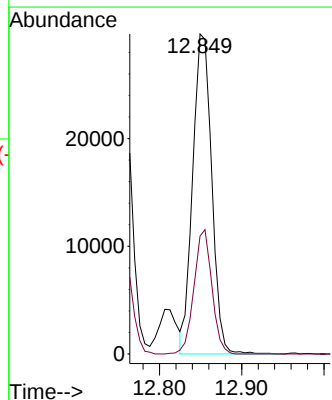
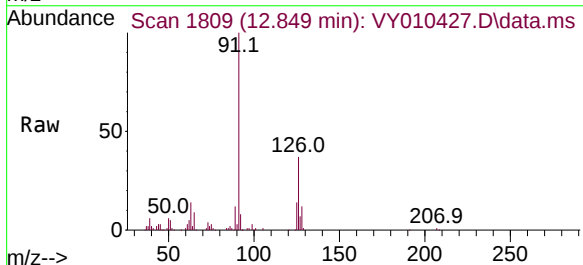
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

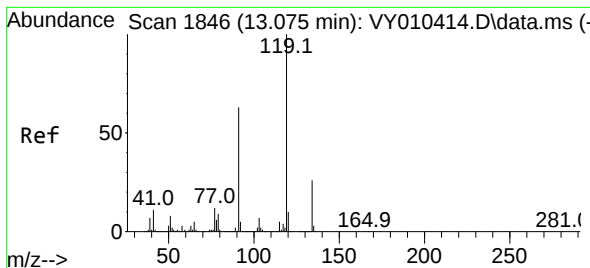
Tgt Ion: 75 Resp: 4071
Ion Ratio Lower Upper
75 100
53 96.4 85.3 127.9
89 49.9 37.0 55.4



#82
4-Chlorotoluene
Concen: 5.316 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion: 91 Resp: 47717
Ion Ratio Lower Upper
91 100
126 36.7 17.0 51.0





#83

tert-Butylbenzene

Concen: 5.270 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

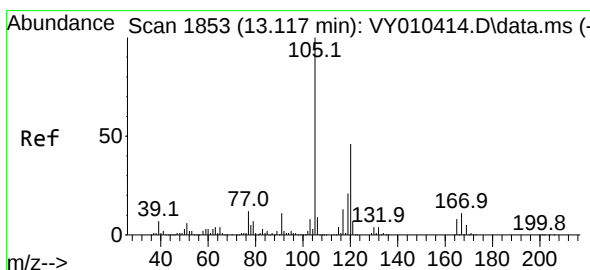
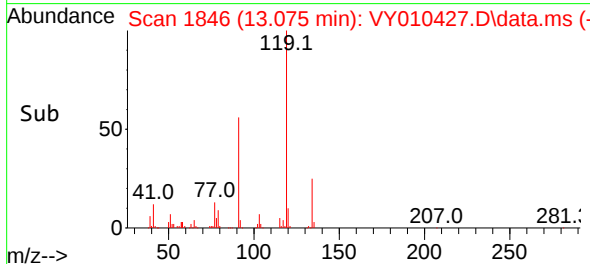
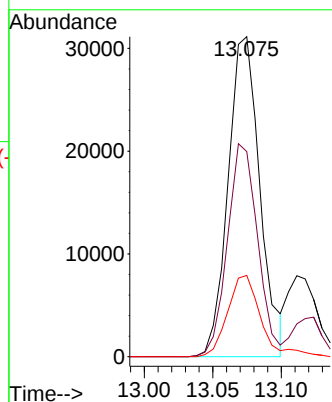
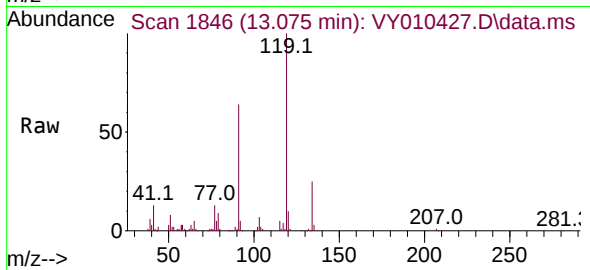
Tgt Ion:119 Resp: 50417

Ion Ratio Lower Upper

119 100

91 63.3 34.8 104.4

134 26.6 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 5.211 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY010427.D

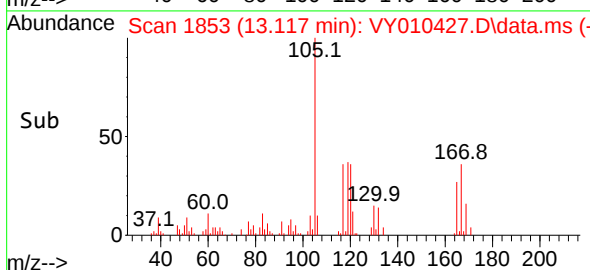
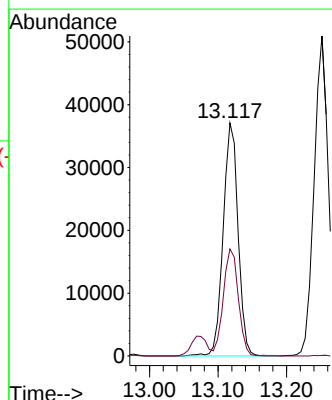
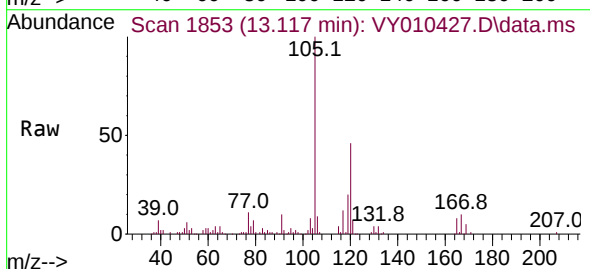
Acq: 09 Sep 2022 18:54

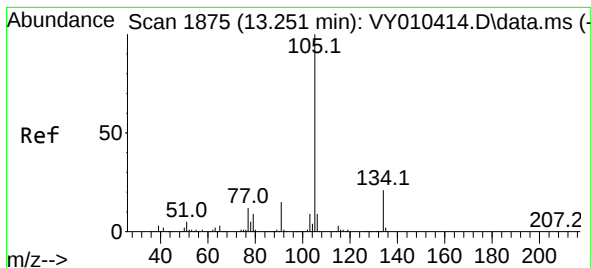
Tgt Ion:105 Resp: 55810

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 5.219 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.001 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Instrument :

MSVOA_Y

ClientSampleId :

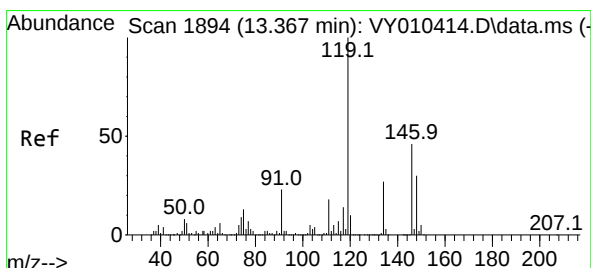
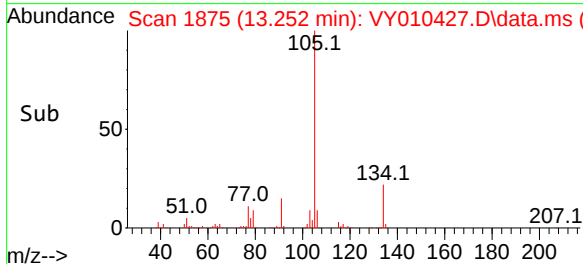
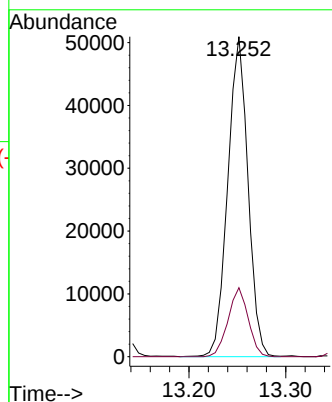
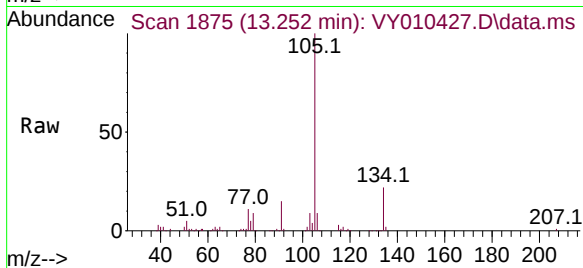
LOQ-SOIL-02-QT3-2022

Tgt Ion:105 Resp: 73932

Ion Ratio Lower Upper

105 100

134 21.4 10.2 30.4



#86

p-Isopropyltoluene

Concen: 5.043 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

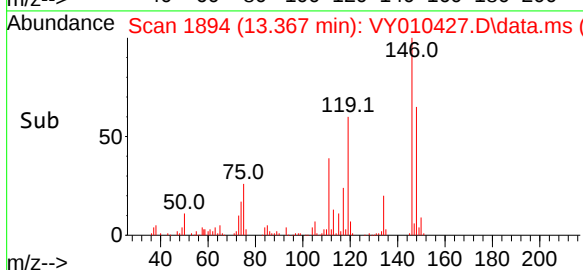
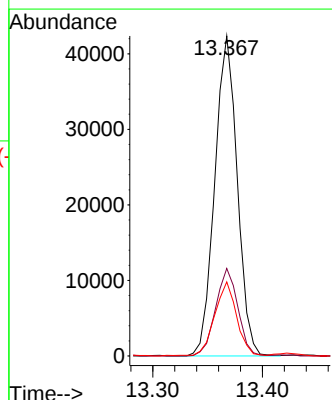
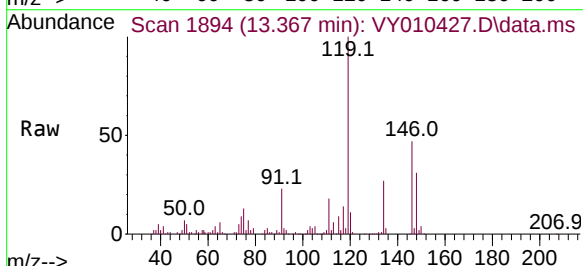
Tgt Ion:119 Resp: 60423

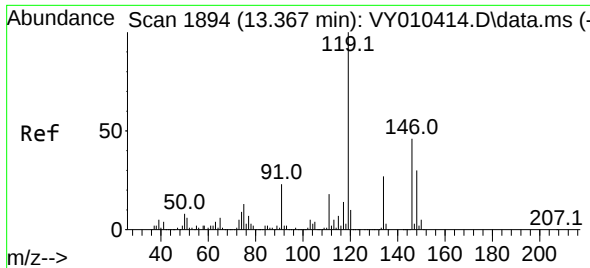
Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

91 22.8 12.4 37.2

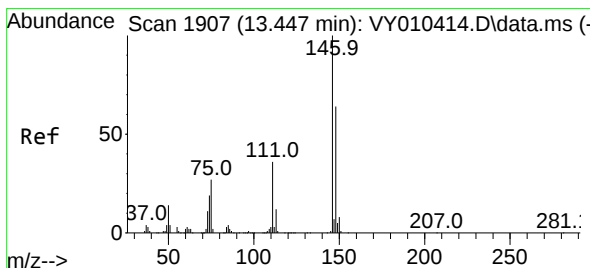
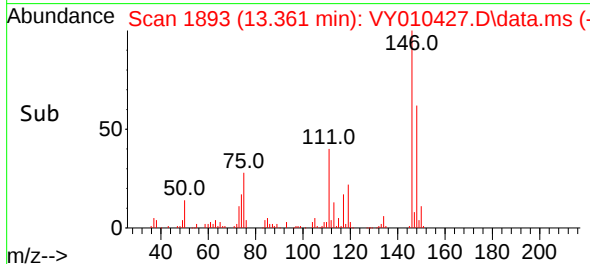
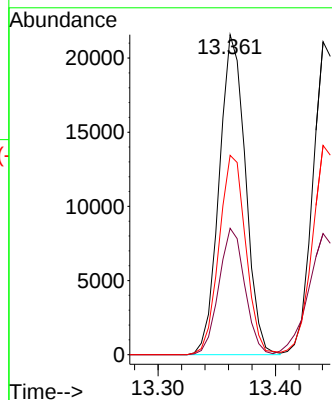
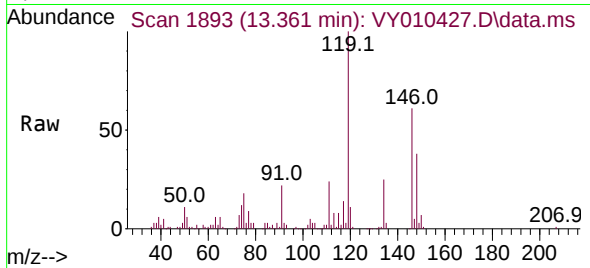




#87
1,3-Dichlorobenzene
Concen: 5.427 ug/l
RT: 13.361 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

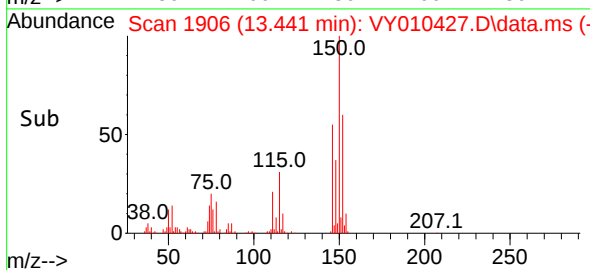
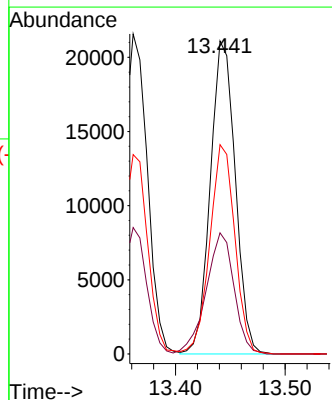
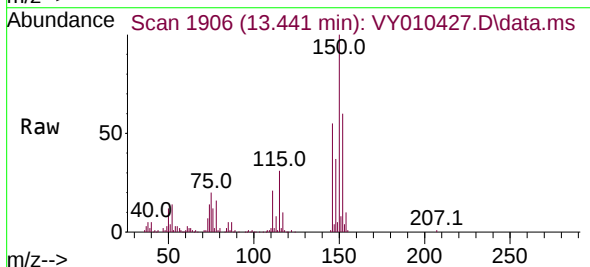
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

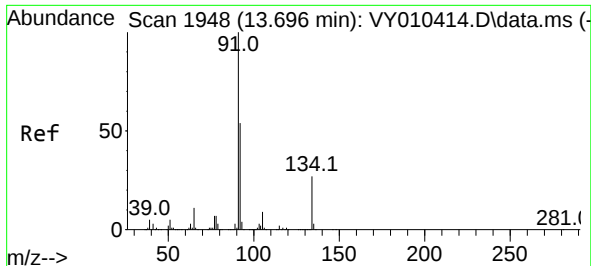
Tgt Ion:146 Resp: 33498
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 63.5 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 5.471 ug/l
RT: 13.441 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:146 Resp: 33437
Ion Ratio Lower Upper
146 100
111 43.2 19.3 57.8
148 67.3 32.6 97.8

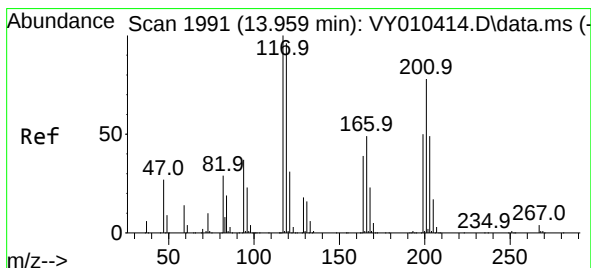
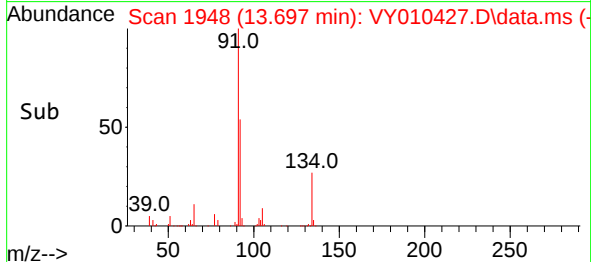
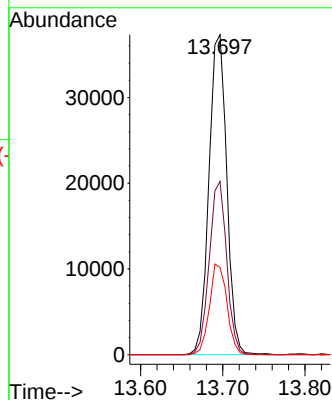
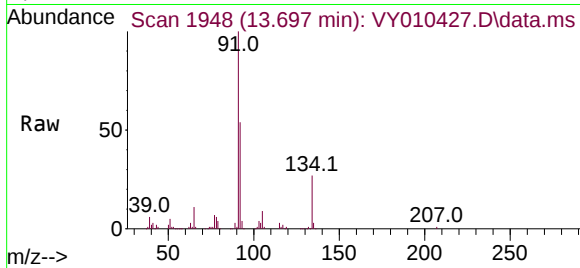




#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

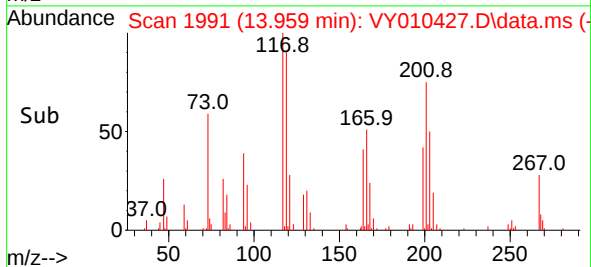
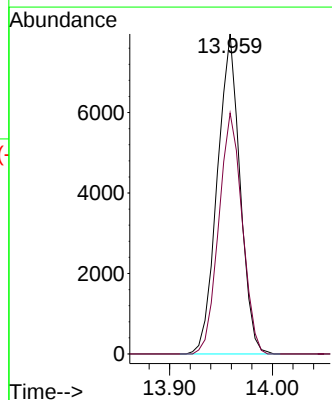
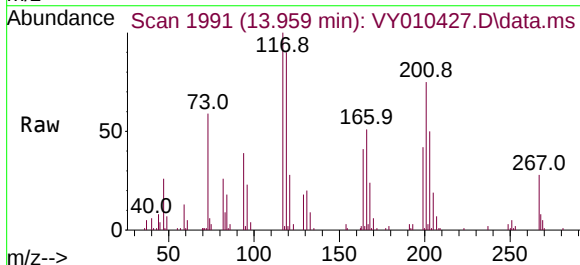
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

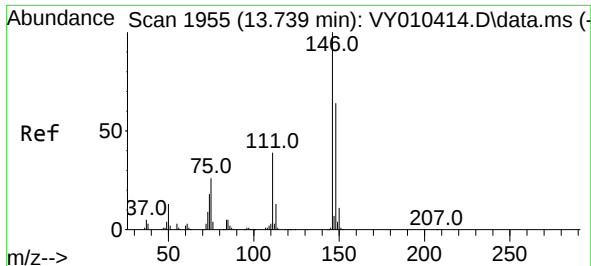
Tgt Ion:	91	Resp:	56111
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.3	78.9
134	27.9	13.0	38.9



#90
Hexachloroethane
Concen: 5.415 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:	117	Resp:	12181
Ion	Ratio	Lower	Upper
117	100		
201	77.5	43.0	128.8

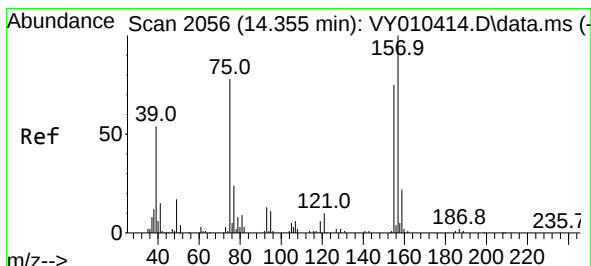
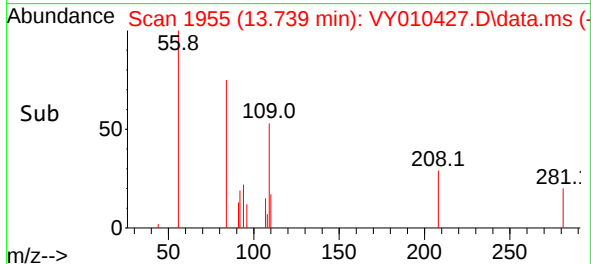
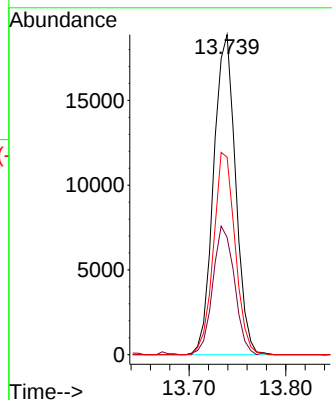
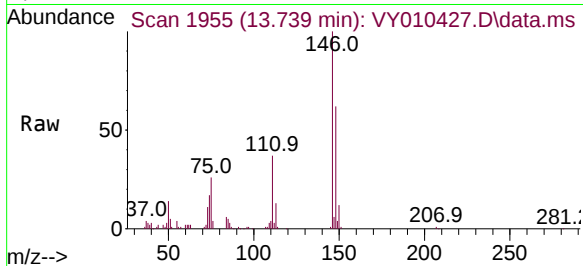




#91
 1,2-Dichlorobenzene
 Concen: 5.448 ug/l
 RT: 13.739 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

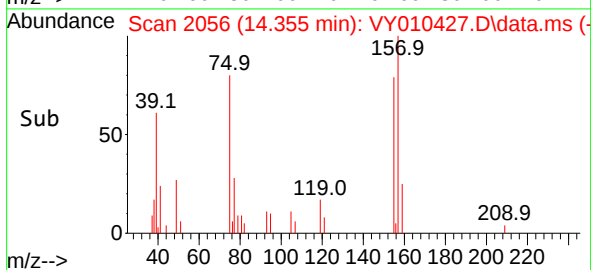
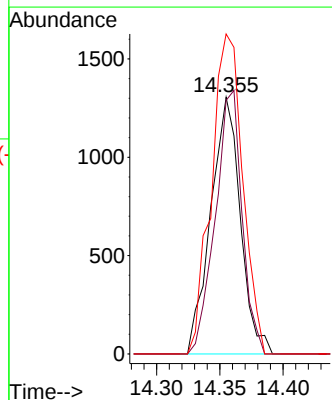
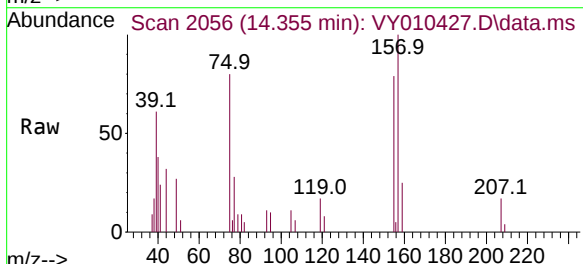
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

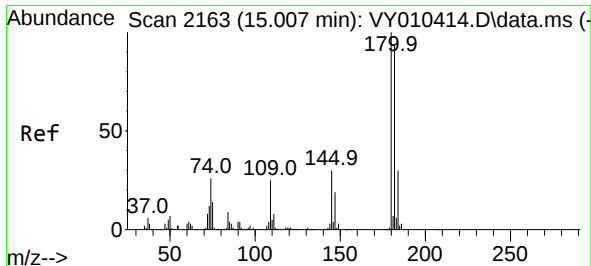
Tgt Ion:	146	Resp:	29785
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.3	60.9
148	62.3	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.181 ug/l
 RT: 14.355 min Scan# 2056
 Delta R.T. 0.000 min
 Lab File: VY010427.D
 Acq: 09 Sep 2022 18:54

Tgt Ion:	75	Resp:	2122
Ion Ratio	Lower	Upper	
75	100		
155	92.7	38.0	113.9
157	132.4	47.8	143.3

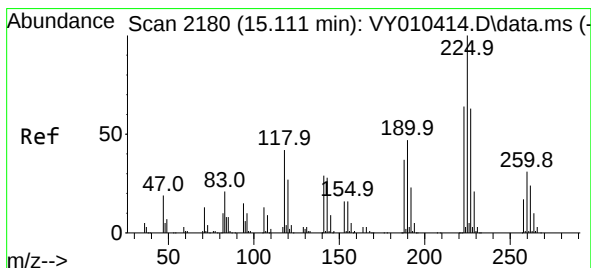
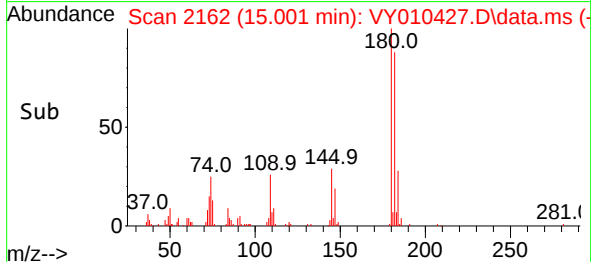
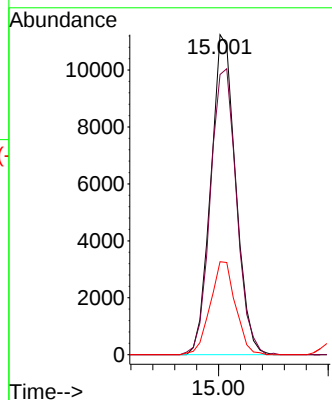
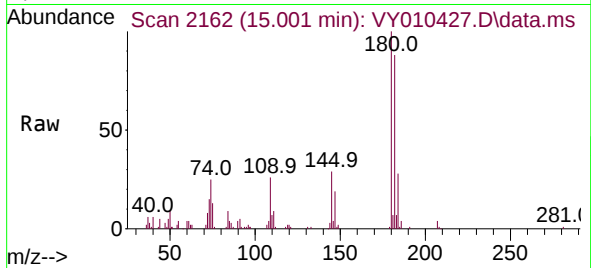




#93
1,2,4-Trichlorobenzene
Concen: 5.222 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

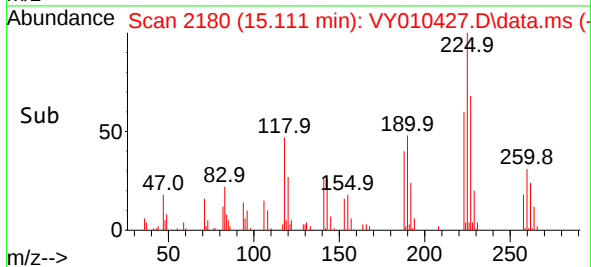
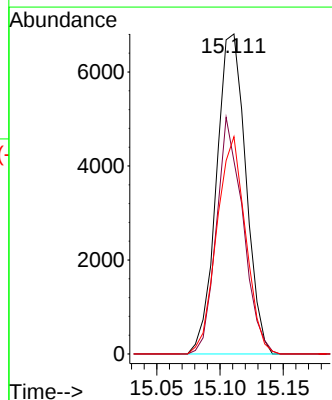
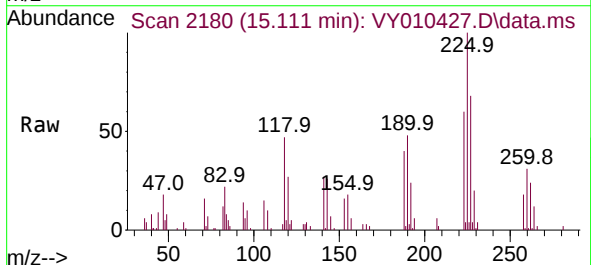
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022

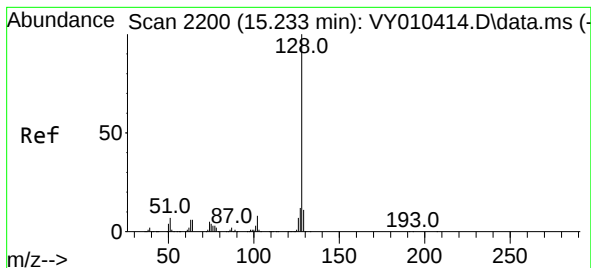
Tgt Ion:180 Resp: 17731
Ion Ratio Lower Upper
180 100
182 93.6 47.3 141.9
145 29.4 14.6 43.8



#94
Hexachlorobutadiene
Concen: 5.376 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY010427.D
Acq: 09 Sep 2022 18:54

Tgt Ion:225 Resp: 11013
Ion Ratio Lower Upper
225 100
223 66.7 30.8 92.3
227 66.6 31.6 94.7





#95

Naphthalene

Concen: 4.996 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

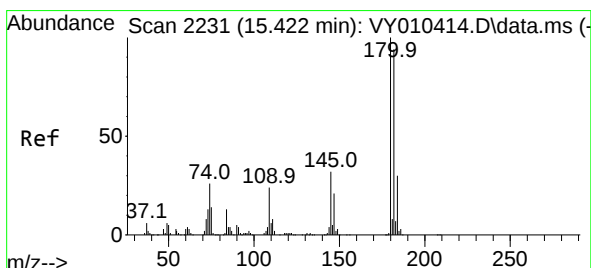
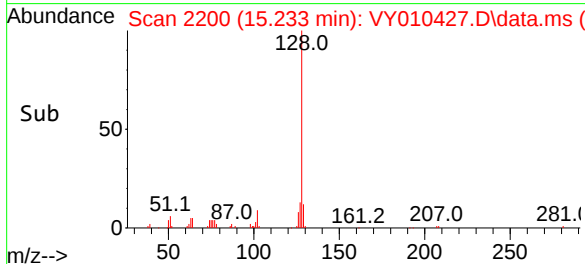
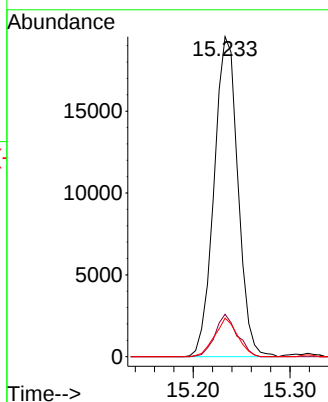
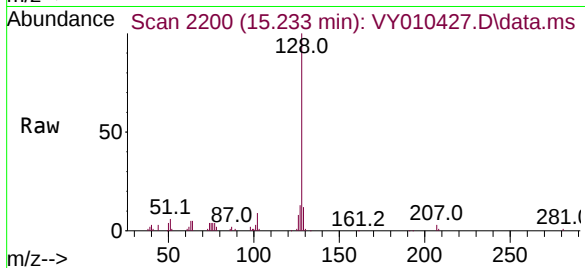
Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:	128	Resp:	33456
Ion	Ratio	Lower	Upper
128	100		
127	12.3	11.0	16.4
129	11.6	8.4	12.6



#96

1,2,3-Trichlorobenzene

Concen: 5.040 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY010427.D

Acq: 09 Sep 2022 18:54

Tgt Ion:	180	Resp:	14939
Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.3	141.9
145	33.0	15.3	45.9

