

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091222\
 Data File : VY010447.D
 Acq On : 12 Sep 2022 16:29
 Operator : KP/MD
 Sample : N3980-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022 5.0PPB

Quant Time: Sep 13 05:27:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 05:24:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	198675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139266	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113045	56.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.980%	
35) Dibromofluoromethane	7.709	113	106622	46.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.260%	
50) Toluene-d8	10.172	98	399588	53.348	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.700%	
62) 4-Bromofluorobenzene	12.477	95	136406	39.685	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.380%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	8941	5.874	ug/l	94
3) Chloromethane	2.107	50	14753	6.609	ug/l	97
4) Vinyl Chloride	2.241	62	16879	6.129	ug/l	97
5) Bromomethane	2.637	94	11797	6.115	ug/l	96
6) Chloroethane	2.783	64	11231	6.097	ug/l	99
7) Trichlorofluoromethane	3.113	101	20264	5.809	ug/l	92
8) Diethyl Ether	3.521	74	6778	6.000	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.881	101	11718	5.738	ug/l	95
10) Methyl Iodide	4.082	142	11525	4.560	ug/l	92
11) Tert butyl alcohol	4.942	59	6075	22.477	ug/l	100
12) 1,1-Dichloroethene	3.856	96	11396	5.948	ug/l	88
13) Acrolein	3.722	56	4938	25.868	ug/l	96
14) Allyl chloride	4.466	41	17162	6.220	ug/l	96
15) Acrylonitrile	5.149	53	16329	29.858	ug/l	98
16) Acetone	3.942	43	13965	30.411	ug/l #	82
17) Carbon Disulfide	4.180	76	29443	5.683	ug/l	100
18) Methyl Acetate	4.472	43	11013	7.796	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	30935	5.847	ug/l	99
20) Methylene Chloride	4.698	84	39210	13.991	ug/l	85
21) trans-1,2-Dichloroethene	5.204	96	12333	5.669	ug/l	88
22) Diisopropyl ether	6.106	45	36885	5.988	ug/l	94
23) Vinyl Acetate	6.045	43	100014	26.496	ug/l	96
24) 1,1-Dichloroethane	6.008	63	22838	6.124	ug/l	99
25) 2-Butanone	6.978	43	20733	28.410	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	19558	5.496	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	14376	5.685	ug/l	90
28) Bromochloromethane	7.325	49	8360	6.992	ug/l	90
29) Tetrahydrofuran	7.337	42	13315	29.234	ug/l	89
30) Chloroform	7.496	83	23595	5.965	ug/l	96
31) Cyclohexane	7.776	56	22391	6.624	ug/l #	76
32) 1,1,1-Trichloroethane	7.697	97	21313	5.951	ug/l	97
36) 1,1-Dichloropropene	7.911	75	17187	5.432	ug/l	97
37) Ethyl Acetate	7.069	43	9935	5.973	ug/l	96
38) Carbon Tetrachloride	7.892	117	18784	5.336	ug/l	97
39) Methylcyclohexane	9.173	83	20847	5.284	ug/l	90
40) Benzene	8.154	78	50093	5.500	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	4038	4.247	ug/l #	66
42) 1,2-Dichloroethane	8.228	62	15218	5.619	ug/l	93
43) Isopropyl Acetate	8.264	43	16028	5.266	ug/l #	87
44) Trichloroethene	8.935	130	13898	5.184	ug/l	89
45) 1,2-Dichloropropane	9.209	63	12611	5.677	ug/l	98
46) Dibromomethane	9.294	93	7217	5.388	ug/l	96
47) Bromodichloromethane	9.490	83	18214	5.724	ug/l	98
48) Methyl methacrylate	9.288	41	7175	5.248	ug/l #	85
49) 1,4-Dioxane	9.288	88	1845	104.046	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	43639	26.137	ug/l	94
52) Toluene	10.239	92	31899	5.352	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	17350	5.299	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	19766	5.352	ug/l	89
55) 1,1,2-Trichloroethane	10.636	97	9963	5.229	ug/l	94
56) Ethyl methacrylate	10.508	69	12470	4.983	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	17413	5.496	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	32651	38.354	ug/l	95
59) 2-Hexanone	10.831	43	28021	24.621	ug/l	90
60) Dibromochloromethane	10.983	129	12248	5.260	ug/l	99
61) 1,2-Dibromoethane	11.081	107	9814	5.306	ug/l	98
64) Tetrachloroethene	10.715	164	13406	5.122	ug/l	95
65) Chlorobenzene	11.514	112	34189	5.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	12728	5.292	ug/l	97
67) Ethyl Benzene	11.587	91	59754	5.199	ug/l	100
68) m/p-Xylenes	11.696	106	45133	10.002	ug/l	98
69) o-Xylene	12.026	106	21635	5.021	ug/l	94
70) Styrene	12.044	104	35354	4.848	ug/l	97
71) Bromoform	12.202	173	7419	4.934	ug/l #	100
73) Isopropylbenzene	12.324	105	57921	5.330	ug/l	100
74) N-amyl acetate	12.142	43	13334	5.259	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.580	83	11520	5.668	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	15105	9.827	ug/l #	100
77) Bromobenzene	12.605	156	13769	5.348	ug/l	97
78) n-propylbenzene	12.672	91	70701	5.495	ug/l	99
79) 2-Chlorotoluene	12.751	91	39834	5.511	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	49972	5.451	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	3698	5.342	ug/l	93
82) 4-Chlorotoluene	12.849	91	41096	5.465	ug/l	98
83) tert-Butylbenzene	13.074	119	42784	5.339	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	48766	5.436	ug/l	99
85) sec-Butylbenzene	13.251	105	63259	5.331	ug/l	99
86) p-Isopropyltoluene	13.367	119	50794	5.061	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	27485	5.316	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	27363	5.345	ug/l	95
89) n-Butylbenzene	13.696	91	47600	5.225	ug/l	99
90) Hexachloroethane	13.958	117	10896	5.782	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	24388	5.326	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1942	5.660	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	13885	4.882	ug/l	98
94) Hexachlorobutadiene	15.110	225	8784	5.119	ug/l	100
95) Naphthalene	15.232	128	25444	4.536	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	11544	4.650	ug/l	97

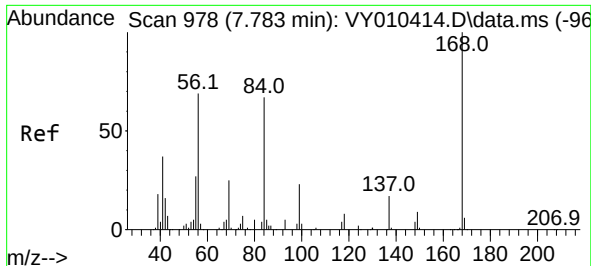
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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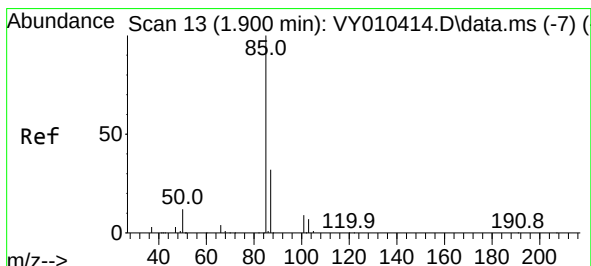
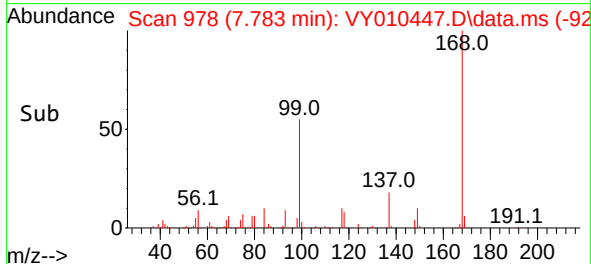
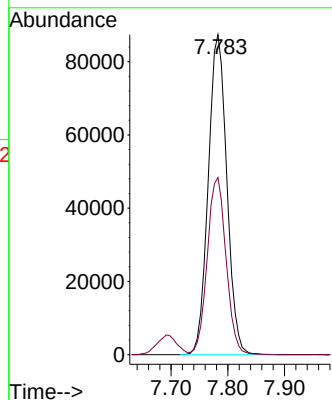
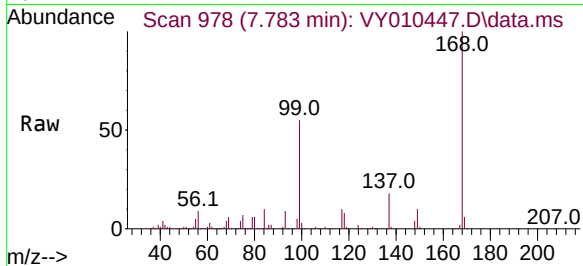
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

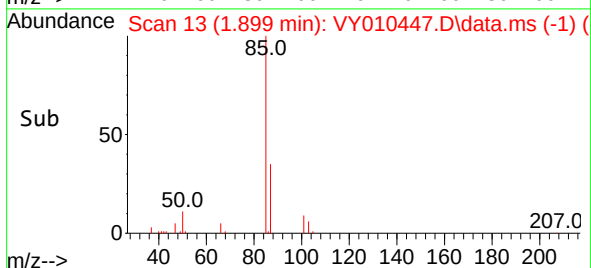
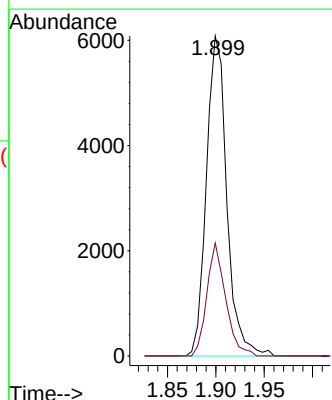
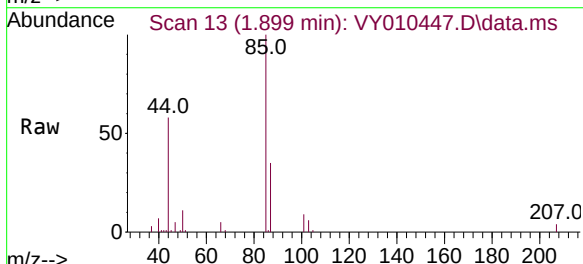
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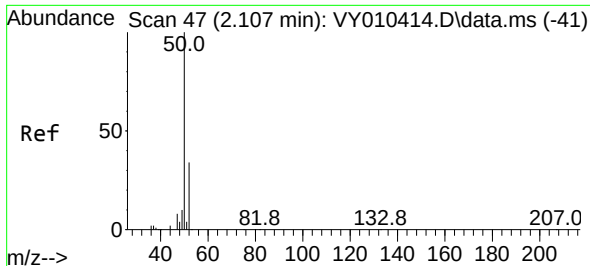
Tgt Ion:168 Resp: 198675
Ion Ratio Lower Upper
168 100
99 55.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 5.874 ug/l
RT: 1.899 min Scan# 13
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 85 Resp: 8941
Ion Ratio Lower Upper
85 100
87 35.3 16.1 48.2

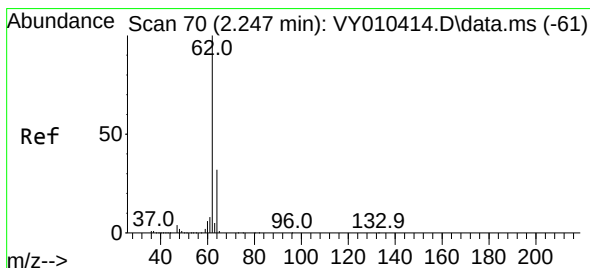
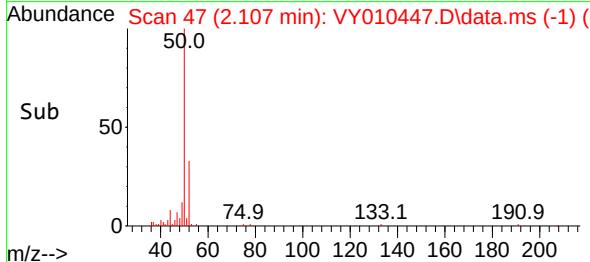
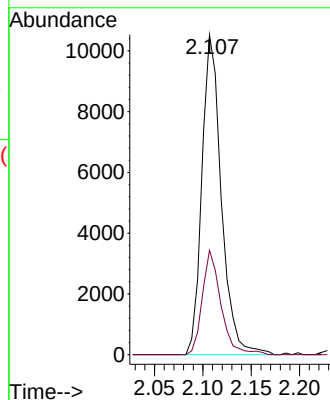
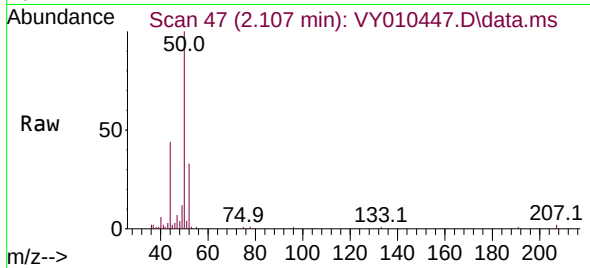




#3
Chloromethane
Concen: 6.609 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

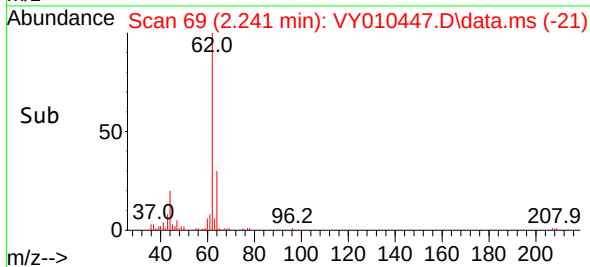
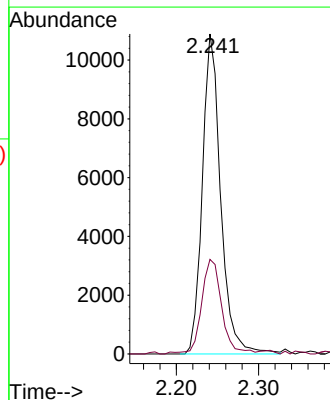
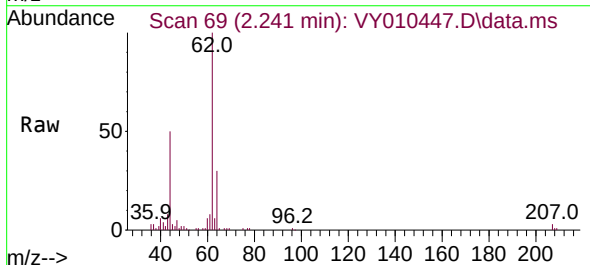
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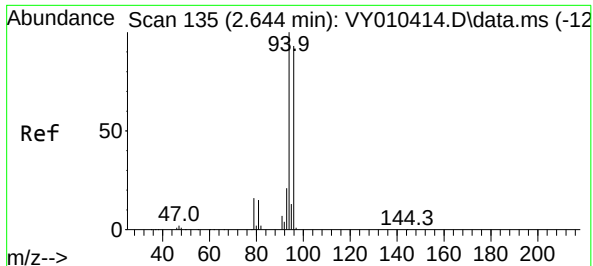
Tgt Ion: 50 Resp: 14753
Ion Ratio Lower Upper
50 100
52 32.6 24.6 37.0



#4
Vinyl Chloride
Concen: 6.129 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 62 Resp: 16879
Ion Ratio Lower Upper
62 100
64 29.6 25.0 37.6

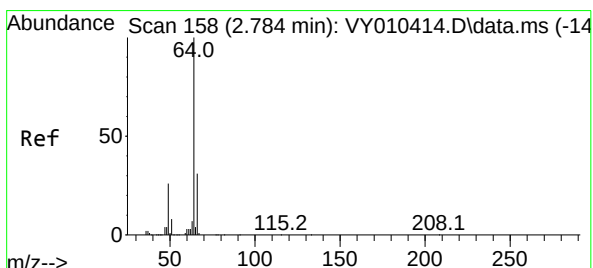
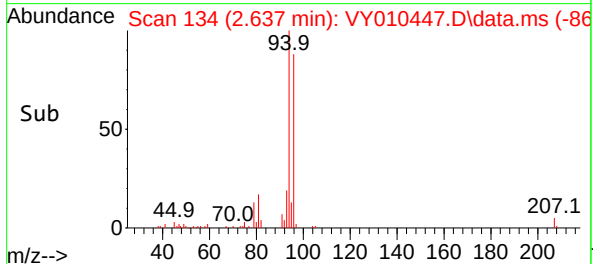
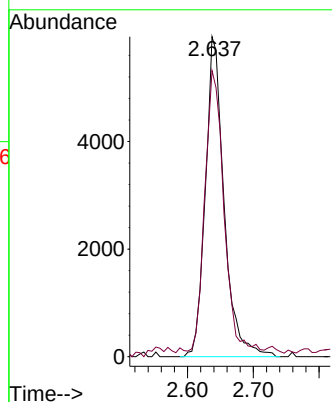
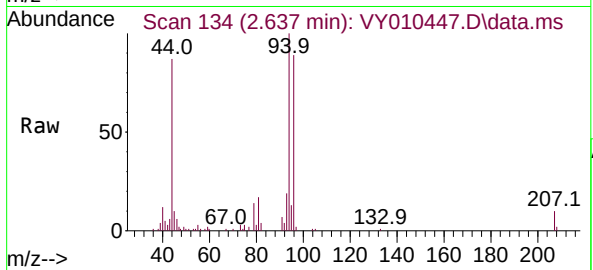




#5
Bromomethane
Concen: 6.115 ug/l
RT: 2.637 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

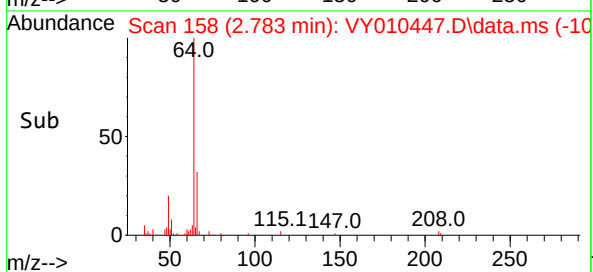
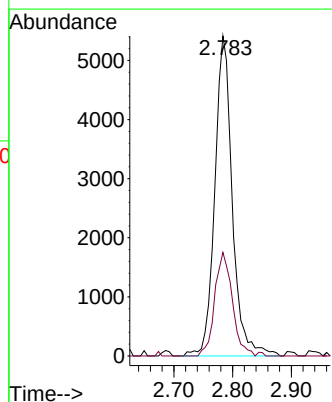
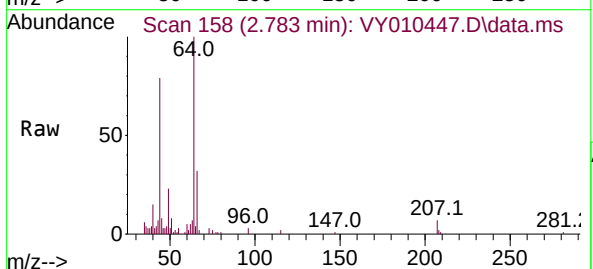
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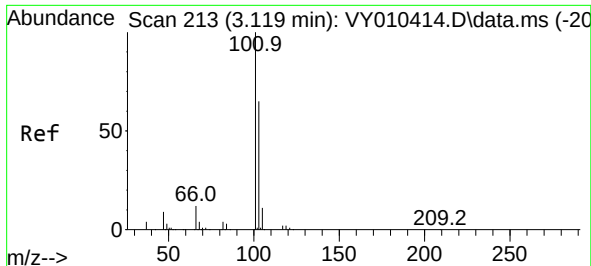
Tgt Ion: 94 Resp: 11797
Ion Ratio Lower Upper
94 100
96 87.8 73.5 110.3



#6
Chloroethane
Concen: 6.097 ug/l
RT: 2.783 min Scan# 158
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 64 Resp: 11231
Ion Ratio Lower Upper
64 100
66 32.4 25.4 38.0

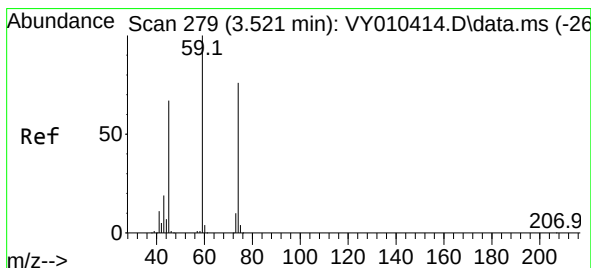
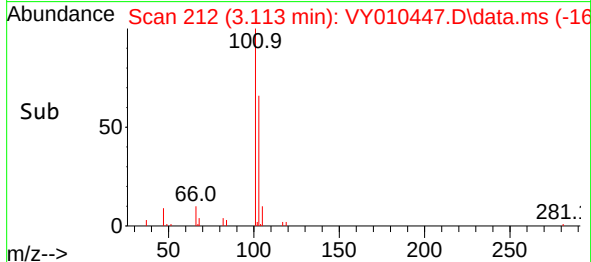
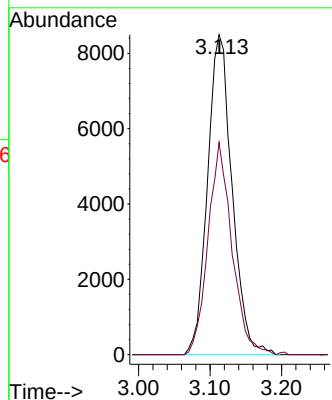
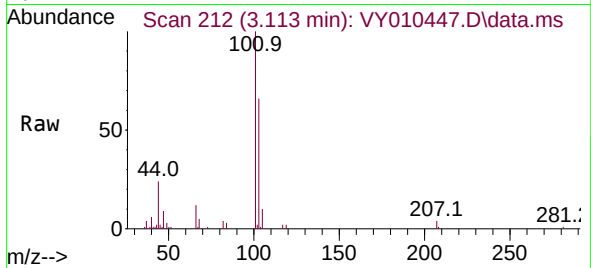




#7
 Trichlorofluoromethane
 Concen: 5.809 ug/l
 RT: 3.113 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

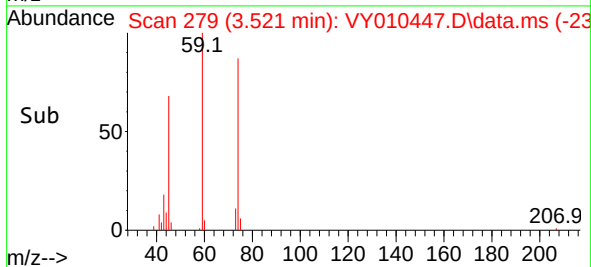
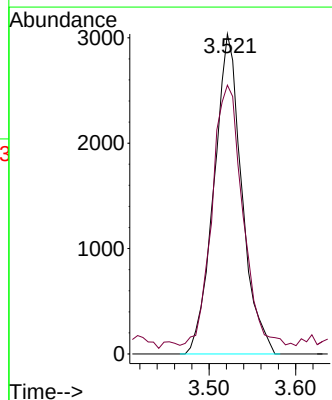
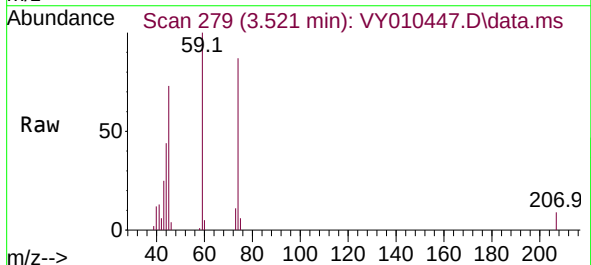
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

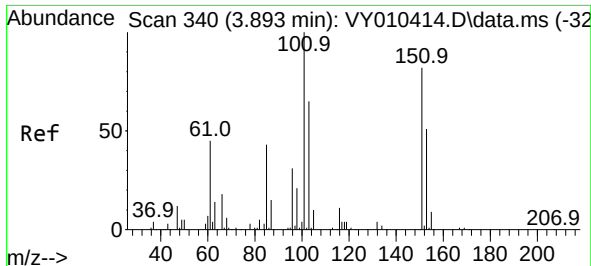
Tgt Ion:101 Resp: 20264
 Ion Ratio Lower Upper
 101 100
 103 66.3 48.0 72.0



#8
 Diethyl Ether
 Concen: 6.000 ug/l
 RT: 3.521 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

Tgt Ion: 74 Resp: 6778
 Ion Ratio Lower Upper
 74 100
 45 95.2 55.1 165.5

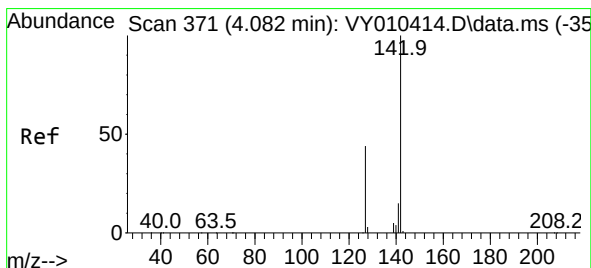
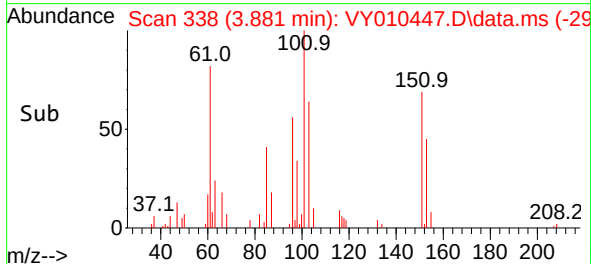
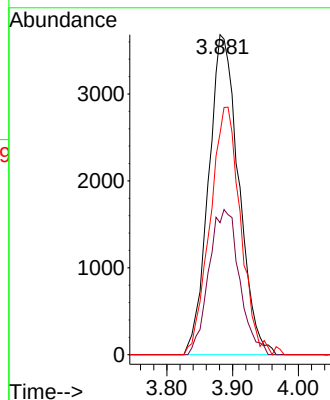
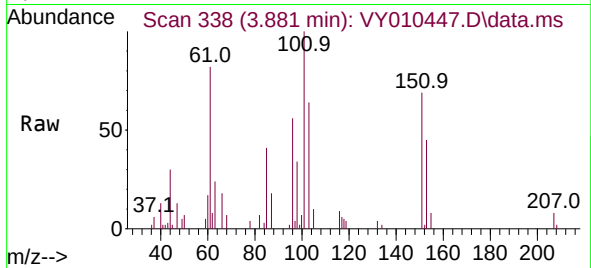




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.738 ug/l
RT: 3.881 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

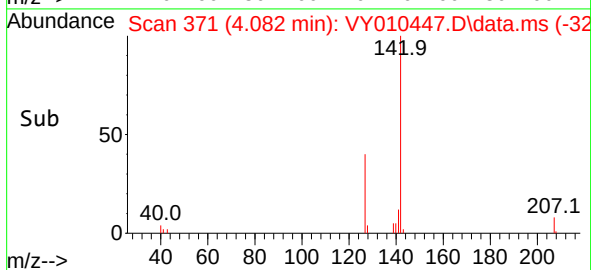
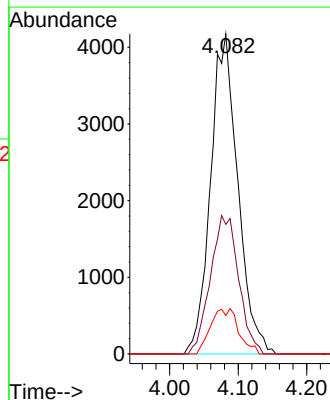
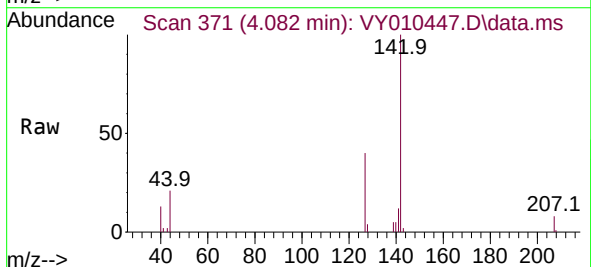
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

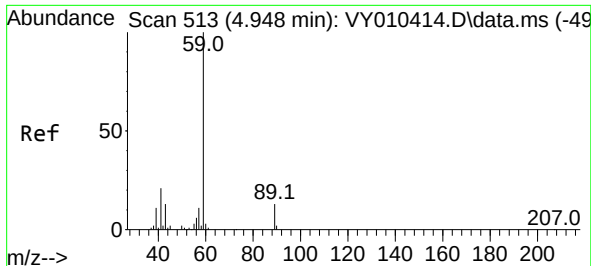
Tgt Ion:101 Resp: 11718
Ion Ratio Lower Upper
101 100
85 46.0 40.6 60.8
151 78.0 64.9 97.3



#10
Methyl Iodide
Concen: 4.560 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion:142 Resp: 11525
Ion Ratio Lower Upper
142 100
127 44.8 41.5 62.3
141 14.6 11.9 17.9

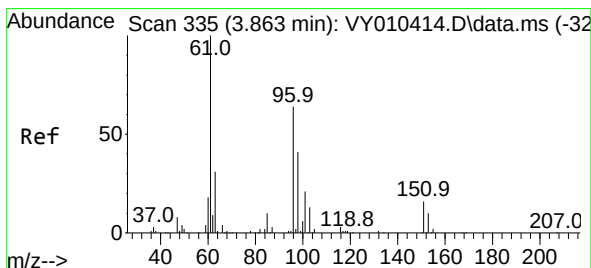
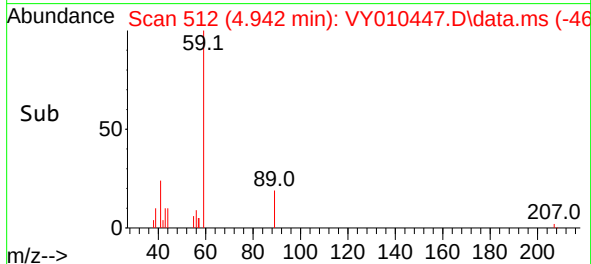
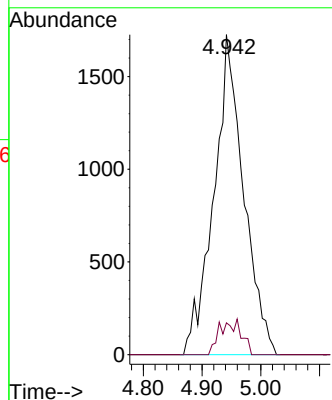
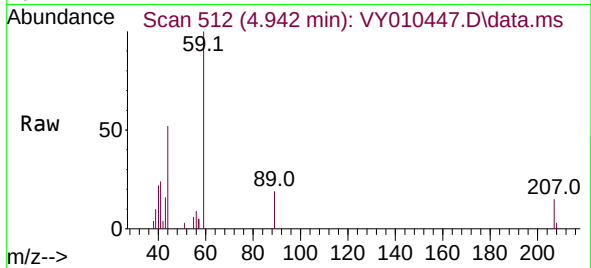




#11
Tert butyl alcohol
Concen: 22.477 ug/l
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

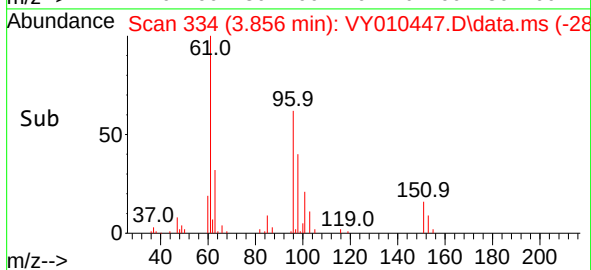
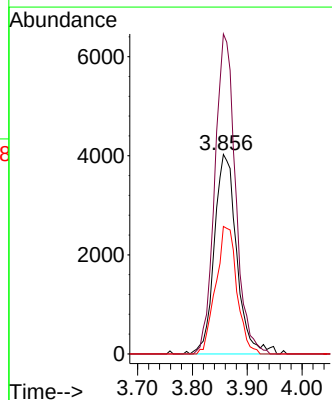
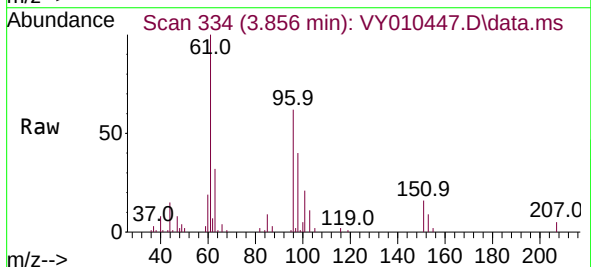
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

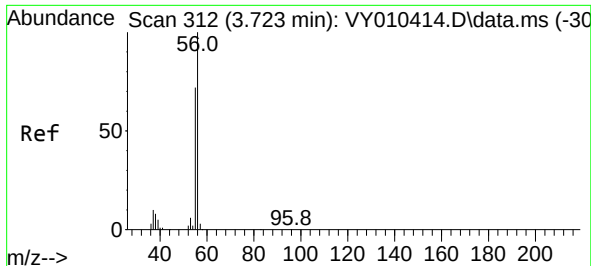
Tgt Ion: 59 Resp: 6075
Ion Ratio Lower Upper
59 100
57 7.9 6.4 9.6



#12
1,1-Dichloroethene
Concen: 5.948 ug/l
RT: 3.856 min Scan# 334
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 96 Resp: 11396
Ion Ratio Lower Upper
96 100
61 160.4 145.8 218.6
98 63.9 52.5 78.7

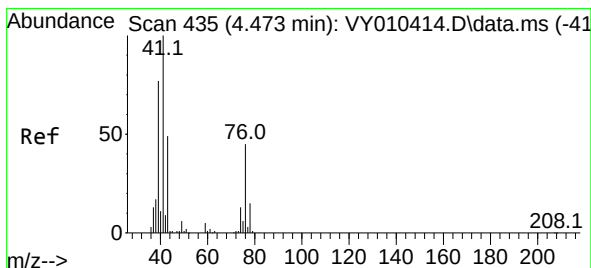
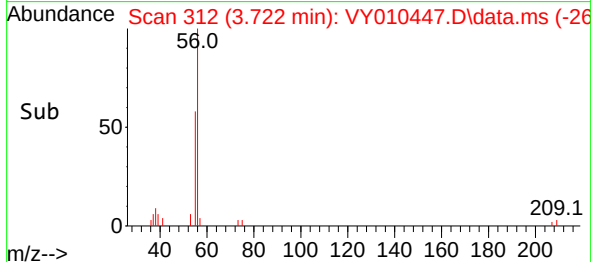
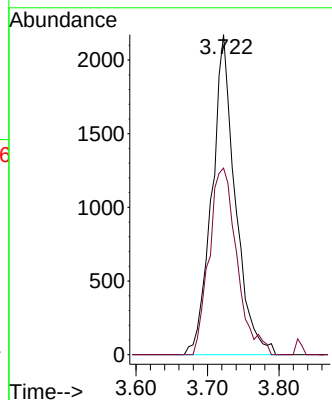
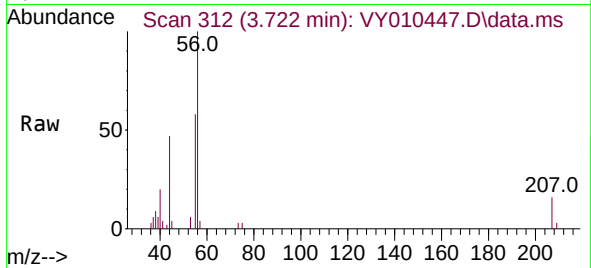




#13
Acrolein
Concen: 25.868 ug/l
RT: 3.722 min Scan# 312
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

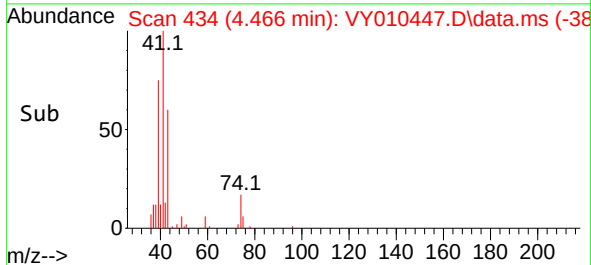
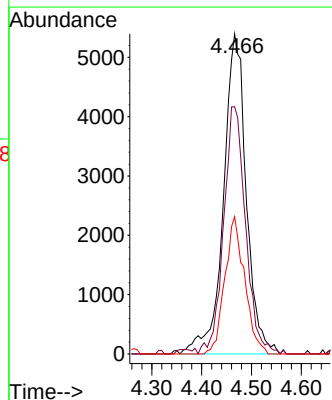
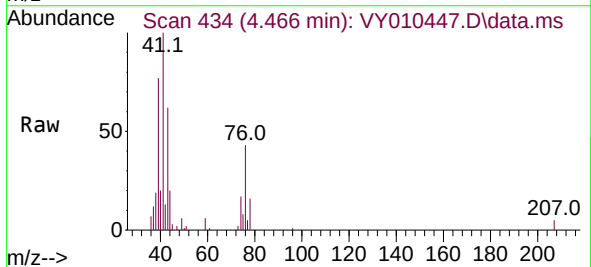
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

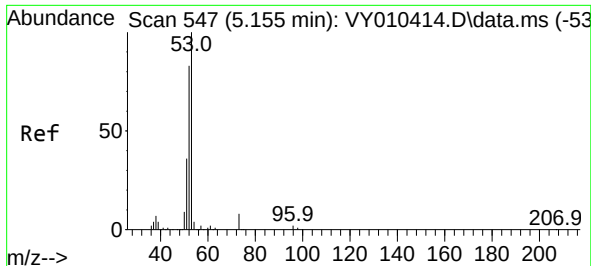
Tgt Ion: 56 Resp: 4938
Ion Ratio Lower Upper
56 100
55 68.9 57.6 86.4



#14
Allyl chloride
Concen: 6.220 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 41 Resp: 17162
Ion Ratio Lower Upper
41 100
39 74.4 58.8 88.2
76 37.2 25.1 37.7

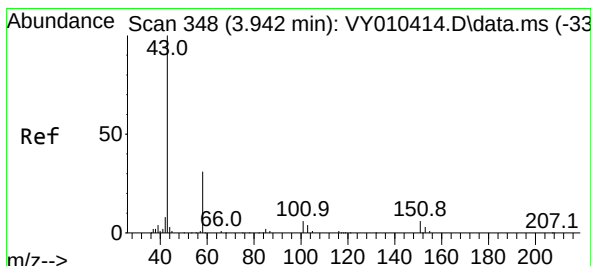
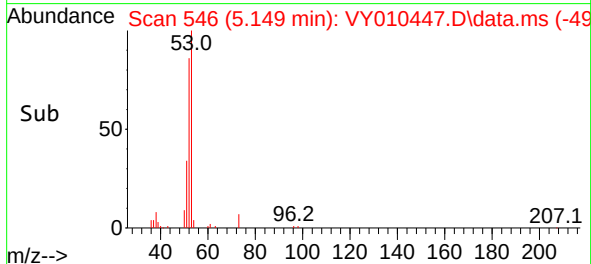
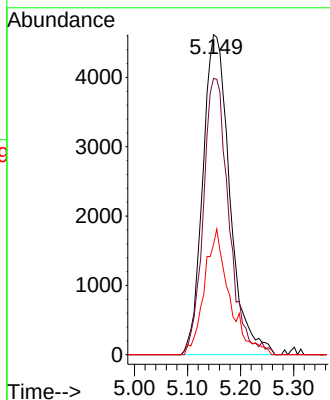
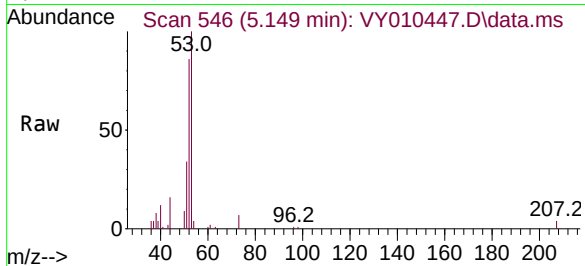




#15
Acrylonitrile
Concen: 29.858 ug/l
RT: 5.149 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

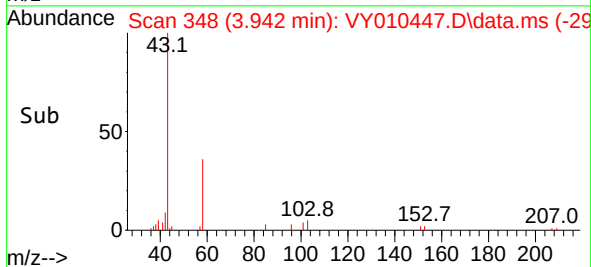
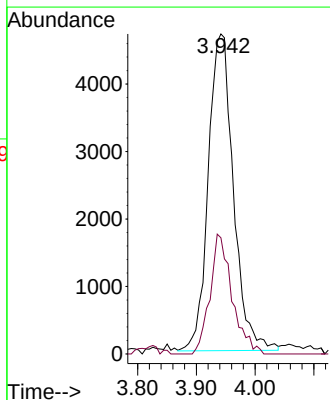
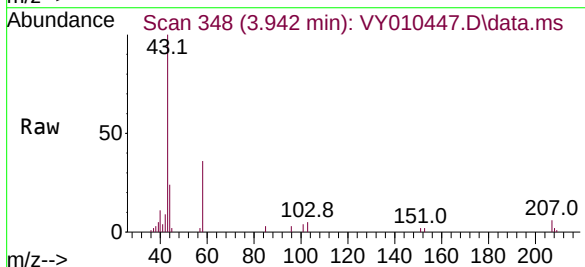
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

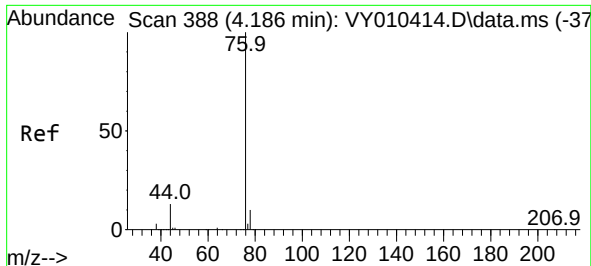
Tgt Ion: 53	Resp: 16329
Ion Ratio	Lower Upper
53 100	
52 81.8	67.0 100.4
51 36.7	29.8 44.6



#16
Acetone
Concen: 30.411 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 43	Resp: 13965
Ion Ratio	Lower Upper
43 100	
58 36.7	22.0 33.0#





#17

Carbon Disulfide

Concen: 5.683 ug/l

RT: 4.180 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY010447.D

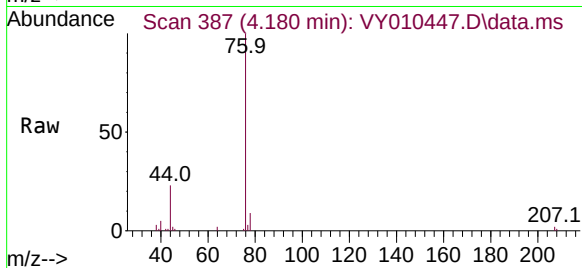
Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

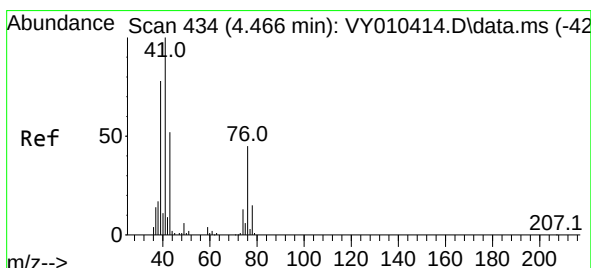
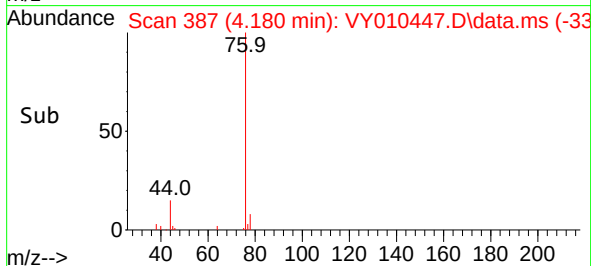
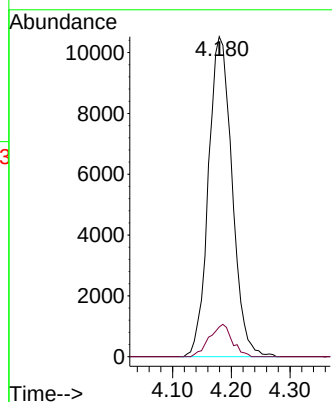


Tgt Ion: 76 Resp: 29443

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#18

Methyl Acetate

Concen: 7.796 ug/l

RT: 4.472 min Scan# 435

Delta R.T. 0.006 min

Lab File: VY010447.D

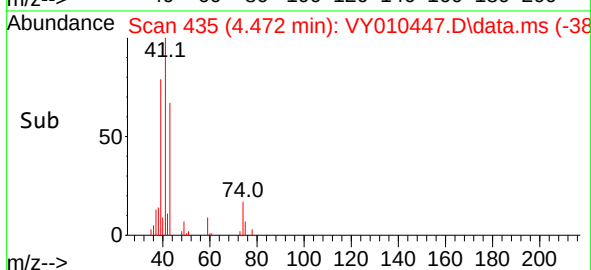
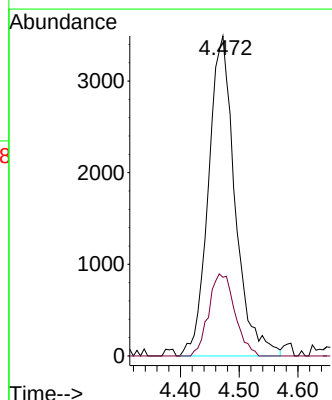
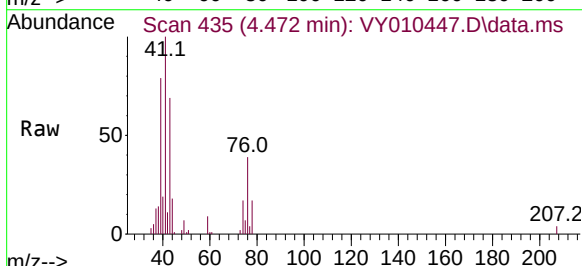
Acq: 12 Sep 2022 16:29

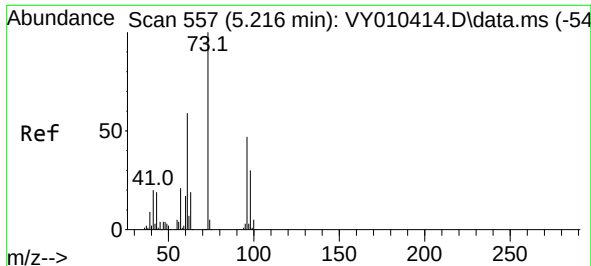
Tgt Ion: 43 Resp: 11013

Ion Ratio Lower Upper

43 100

74 25.1 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 5.847 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

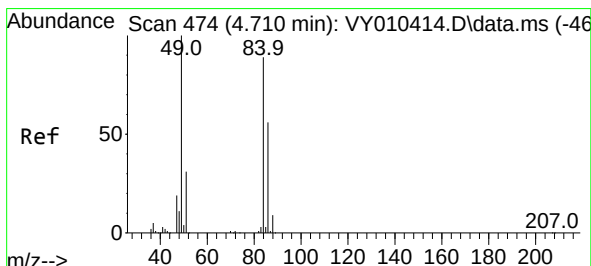
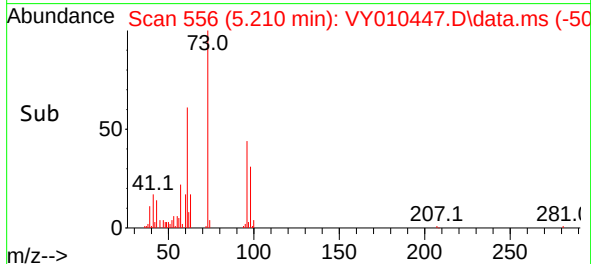
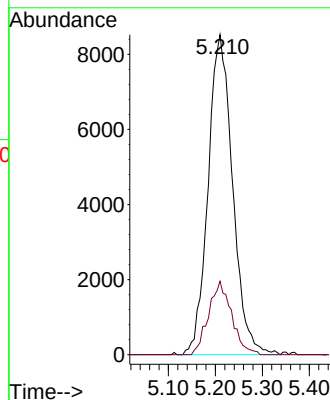
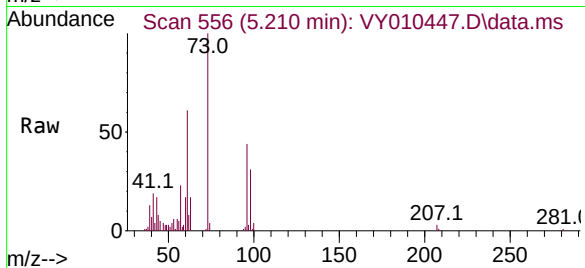
LOQ-SOIL-02-QT3-2022 5.0PPB

Tgt Ion: 73 Resp: 30935

Ion Ratio Lower Upper

73 100

57 23.0 18.6 27.8



#20

Methylene Chloride

Concen: 13.991 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.012 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Tgt Ion: 84 Resp: 39210

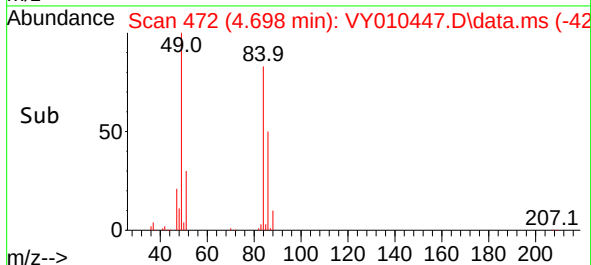
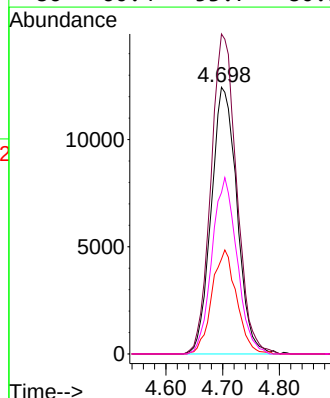
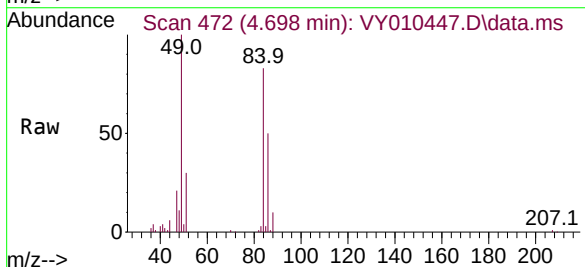
Ion Ratio Lower Upper

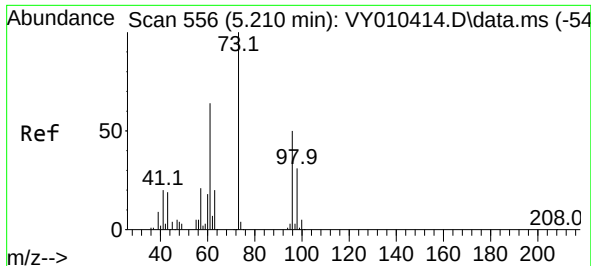
84 100

49 120.0 114.4 171.6

51 35.6 35.3 52.9

86 60.4 53.7 80.5

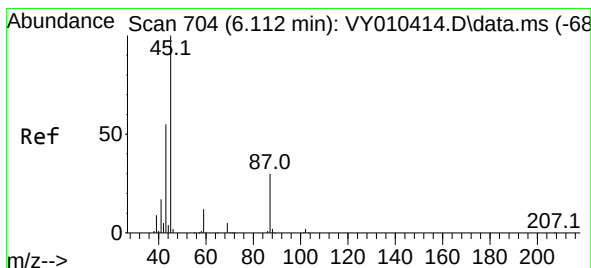
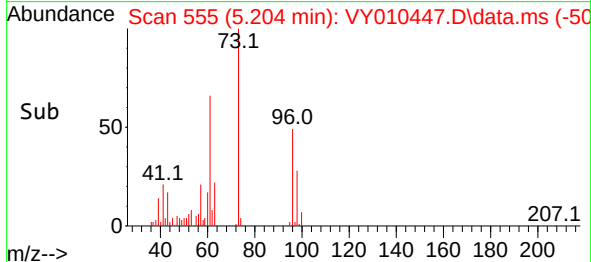
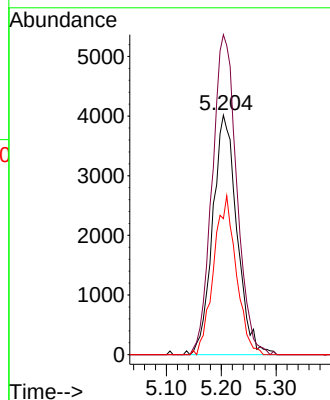
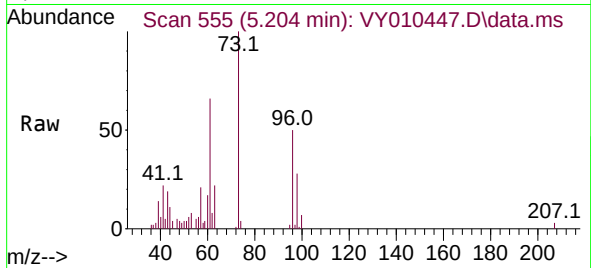




#21
trans-1,2-Dichloroethene
Concen: 5.669 ug/l
RT: 5.204 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

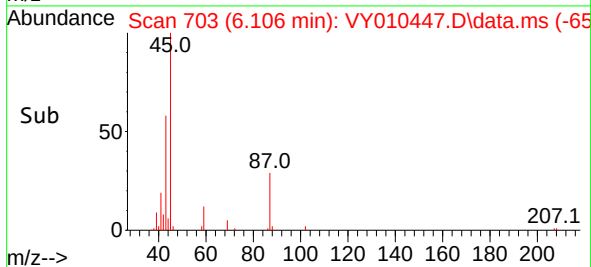
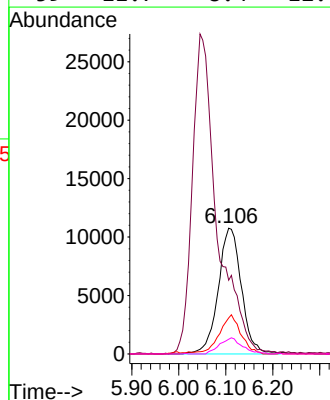
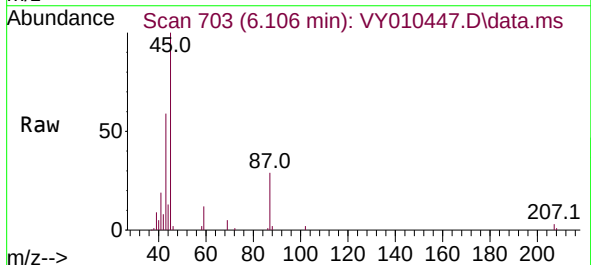
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

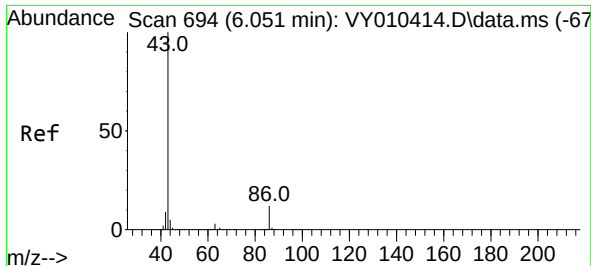
Tgt Ion: 96 Resp: 12333
Ion Ratio Lower Upper
96 100
61 133.6 120.5 180.7
98 56.8 49.8 74.8



#22
Diisopropyl ether
Concen: 5.988 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 45 Resp: 36885
Ion Ratio Lower Upper
45 100
43 57.1 49.3 73.9
87 28.1 19.2 28.8
59 11.7 8.4 12.6

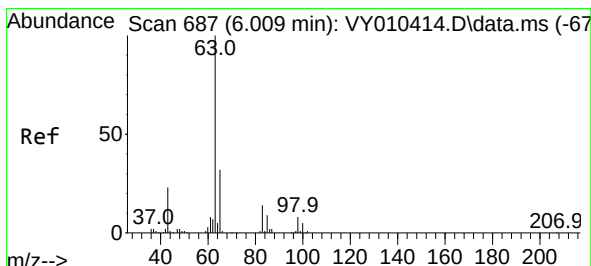
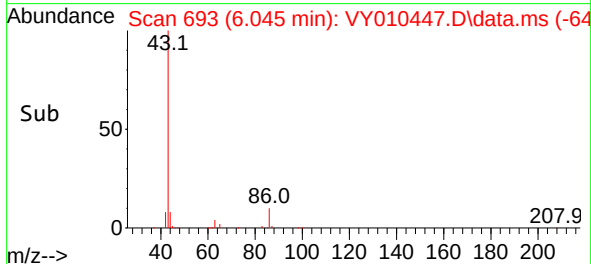
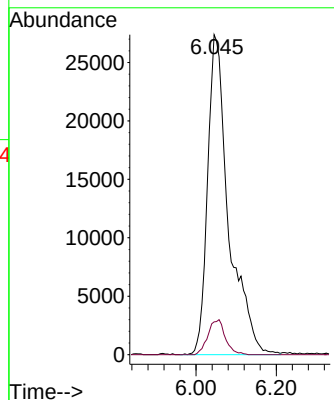
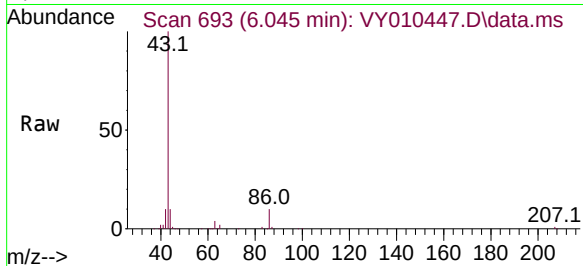




#23
 Vinyl Acetate
 Concen: 26.496 ug/l
 RT: 6.045 min Scan# 694
 Delta R.T. -0.006 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

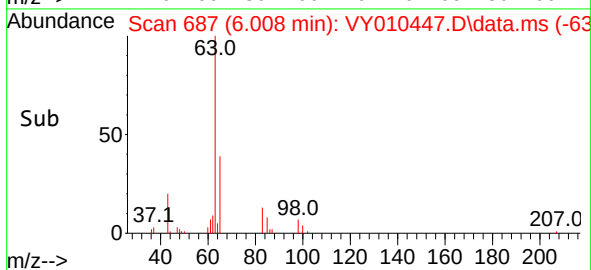
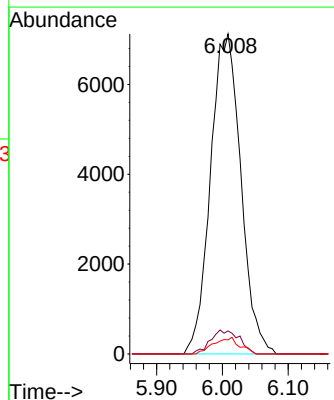
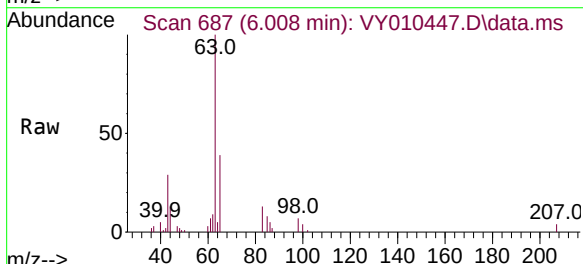
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022 5.0PPB

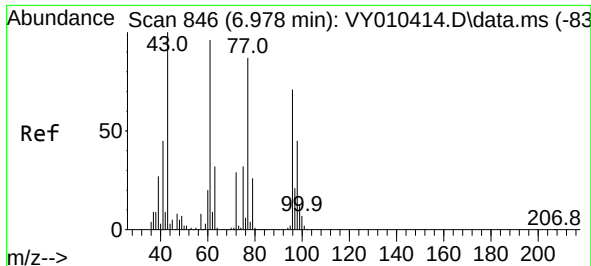
Tgt Ion: 43 Resp: 100014
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 6.124 ug/l
 RT: 6.008 min Scan# 687
 Delta R.T. -0.001 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

Tgt Ion: 63 Resp: 22838
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.8
 100 4.4 2.0 5.8

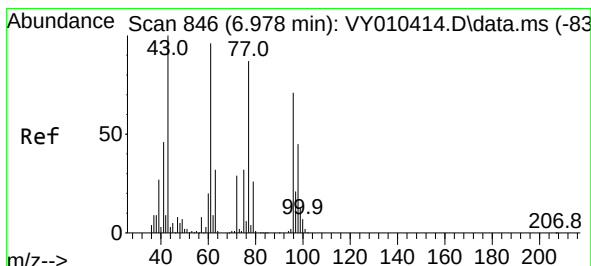
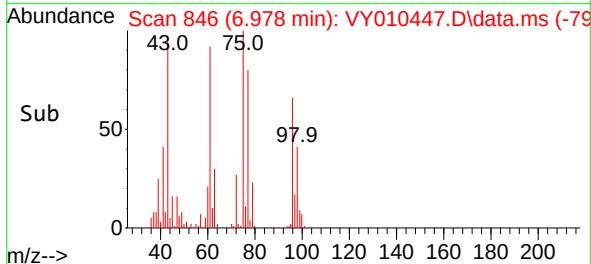
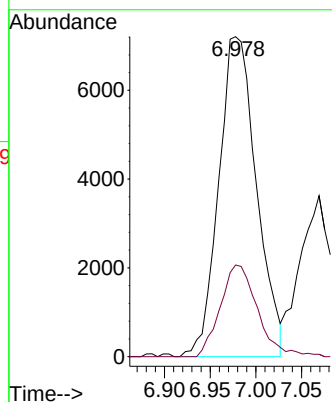
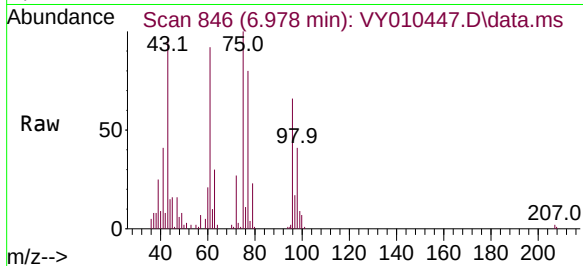




#25
2-Butanone
Concen: 28.410 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

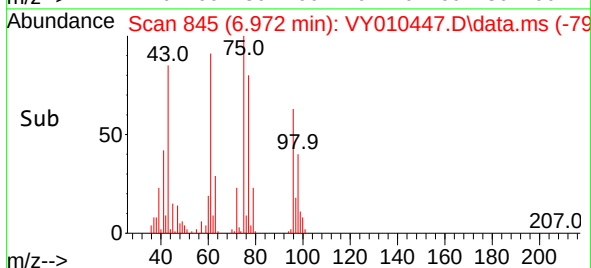
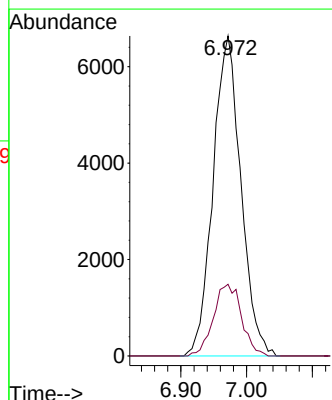
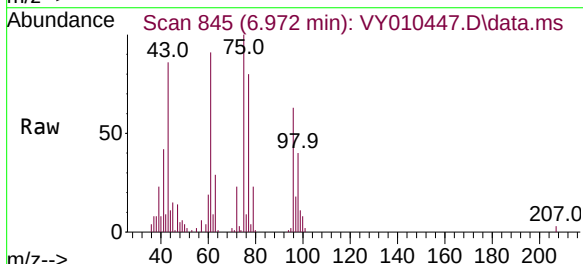
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

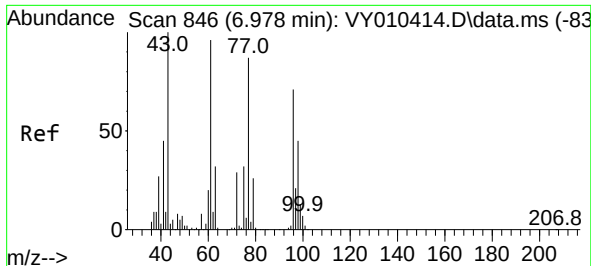
Tgt Ion: 43 Resp: 20733
Ion Ratio Lower Upper
43 100
72 28.7 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 5.496 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 77 Resp: 19558
Ion Ratio Lower Upper
77 100
97 22.6 10.4 31.4

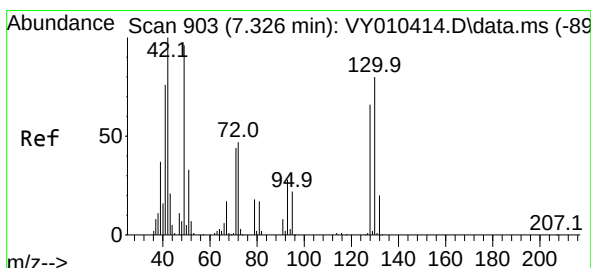
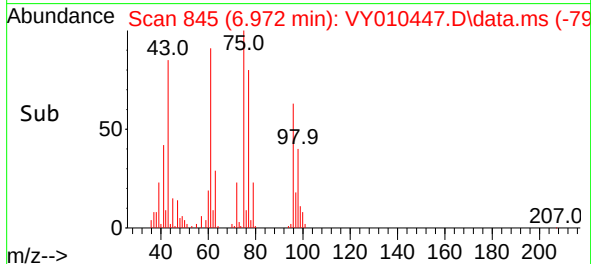
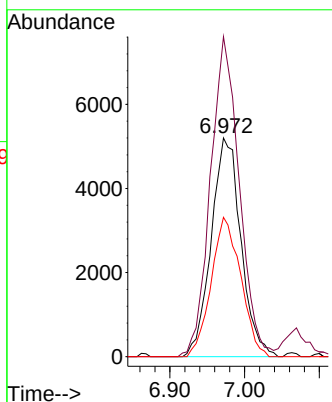
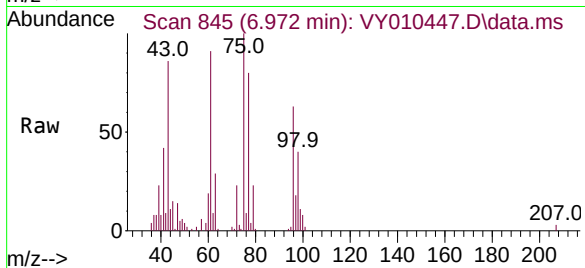




#27
 cis-1,2-Dichloroethene
 Concen: 5.685 ug/l
 RT: 6.972 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

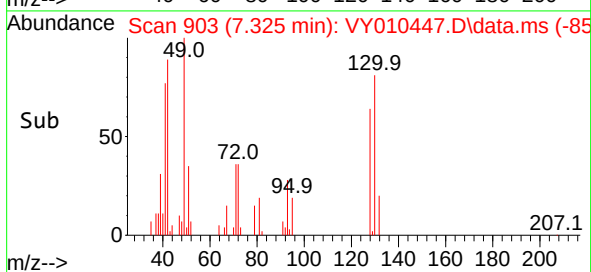
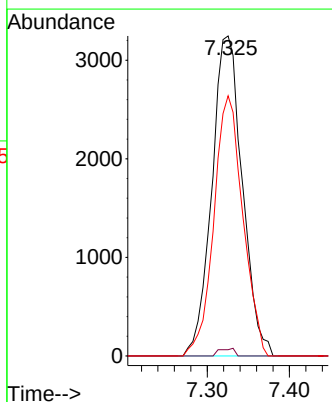
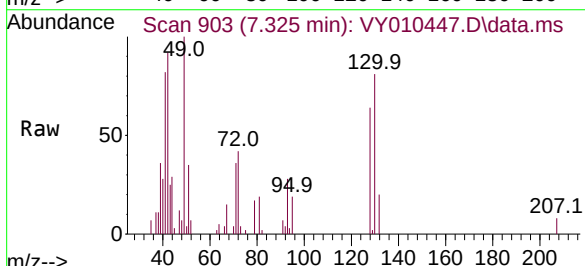
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022 5.0PPB

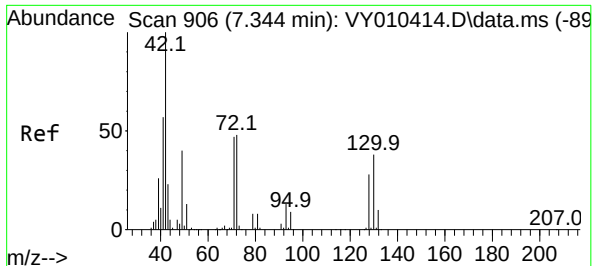
Tgt Ion: 96	Resp: 14376
Ion Ratio	Lower Upper
96 100	
61 142.0	0.0 319.8
98 63.4	0.0 127.0



#28
 Bromochloromethane
 Concen: 6.992 ug/l
 RT: 7.325 min Scan# 903
 Delta R.T. -0.001 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

Tgt Ion: 49	Resp: 8360
Ion Ratio	Lower Upper
49 100	
129 1.2	0.0 2.2
130 77.3	55.4 83.0





#29

Tetrahydrofuran

Concen: 29.234 ug/l

RT: 7.337 min Scan# 905

Delta R.T. -0.007 min

Lab File: VY010447.D

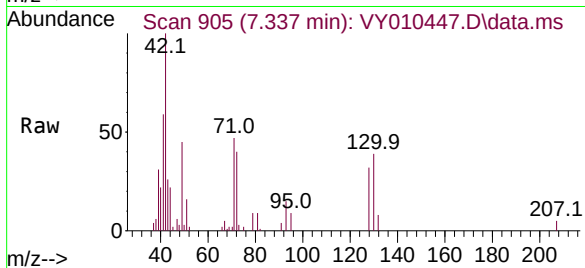
Acq: 12 Sep 2022 16:29

Instrument :

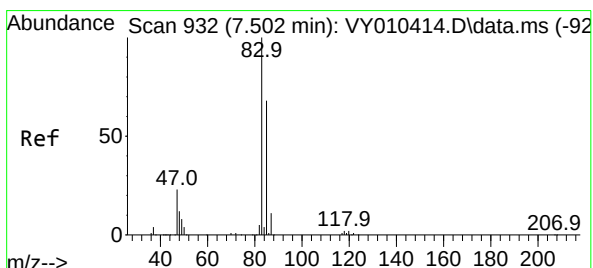
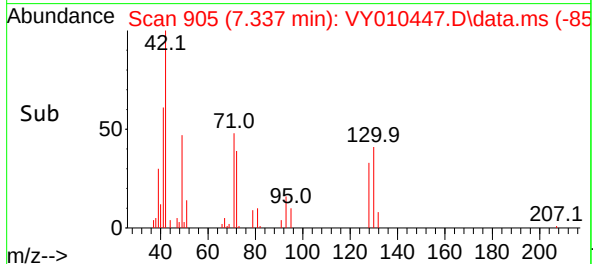
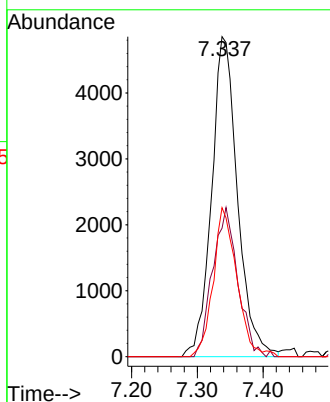
MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB



Tgt Ion:	42	Resp:	13315
Ion Ratio	Lower	Upper	
42	100		
72	45.1	30.3	45.5
71	42.5	29.0	43.4



#30

Chloroform

Concen: 5.965 ug/l

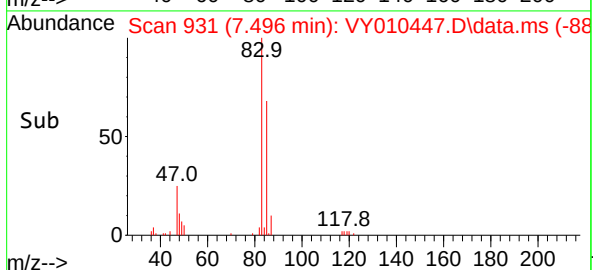
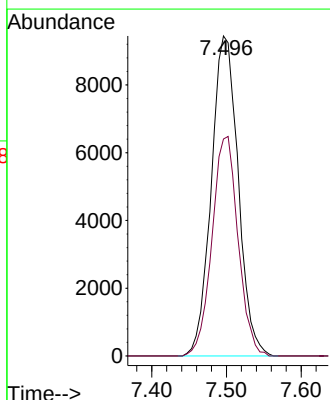
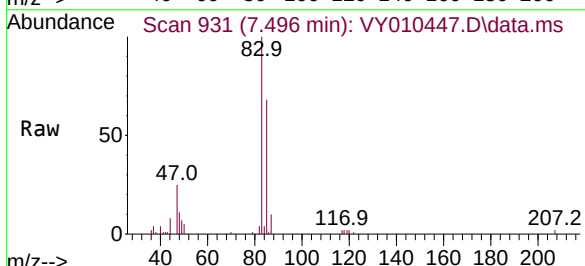
RT: 7.496 min Scan# 931

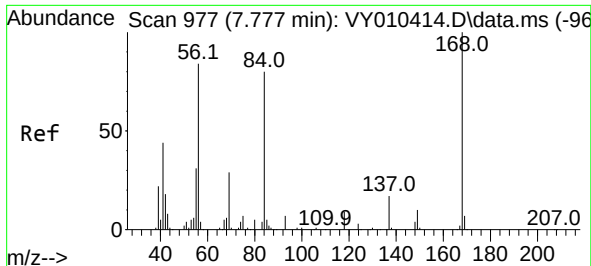
Delta R.T. -0.006 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Tgt Ion:	83	Resp:	23595
Ion Ratio	Lower	Upper	
83	100		
85	67.8	51.8	77.6

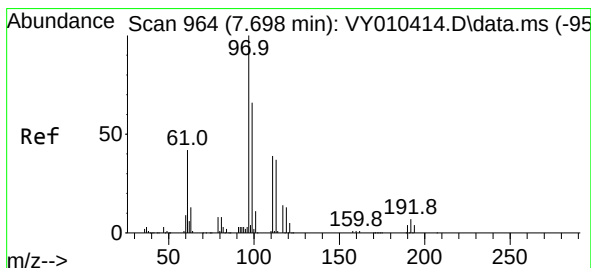
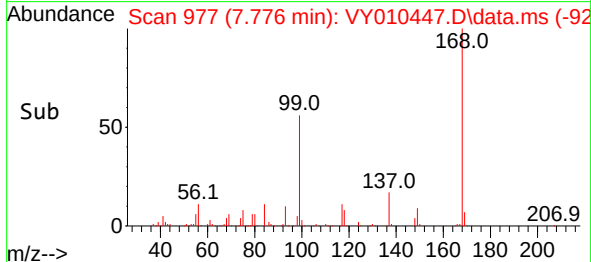
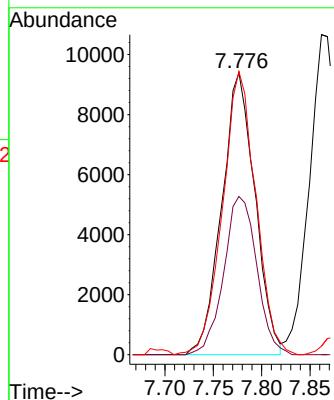
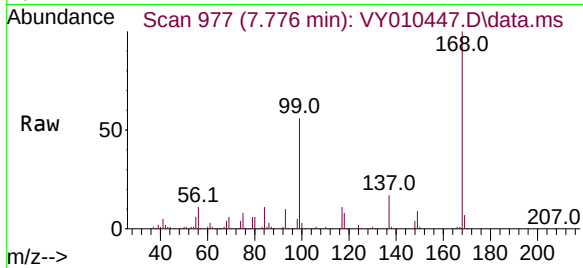




#31
Cyclohexane
Concen: 6.624 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

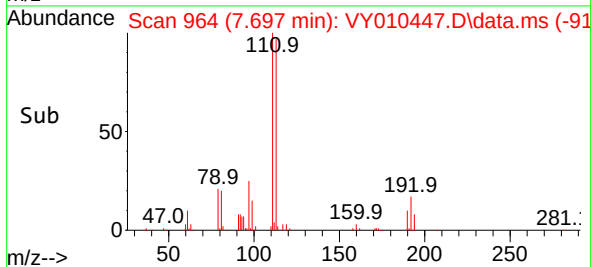
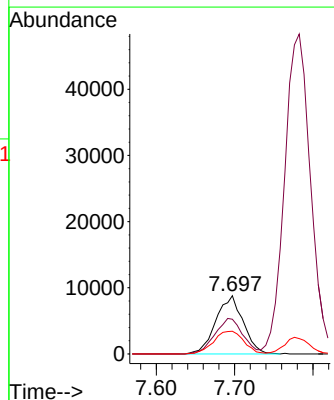
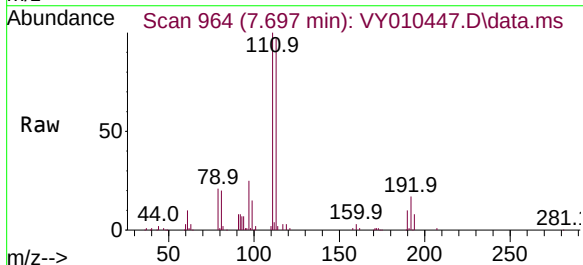
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

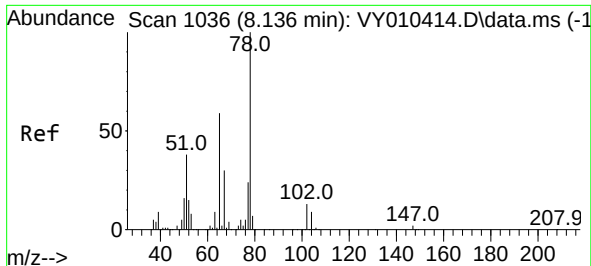
Tgt Ion: 56 Resp: 22391
Ion Ratio Lower Upper
56 100
69 56.1 26.7 40.1#
84 99.9 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 5.951 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 97 Resp: 21313
Ion Ratio Lower Upper
97 100
99 63.1 50.7 76.1
61 43.3 37.6 56.4

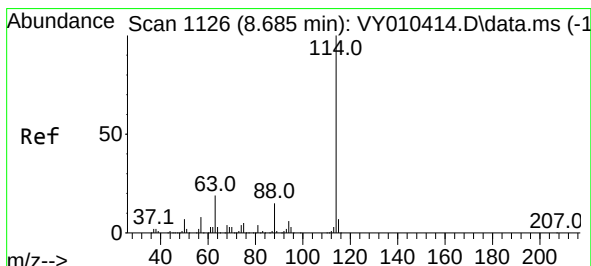
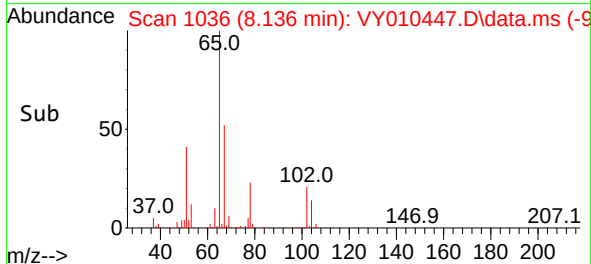
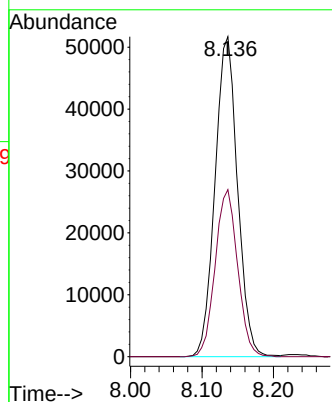
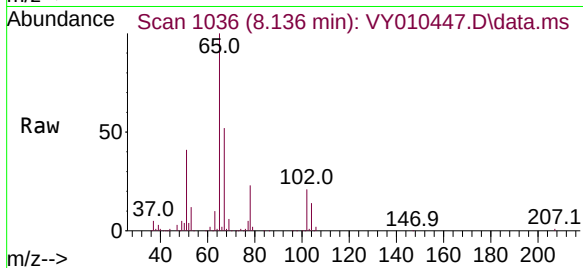




#33
 1,2-Dichloroethane-d4
 Concen: 56.495 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

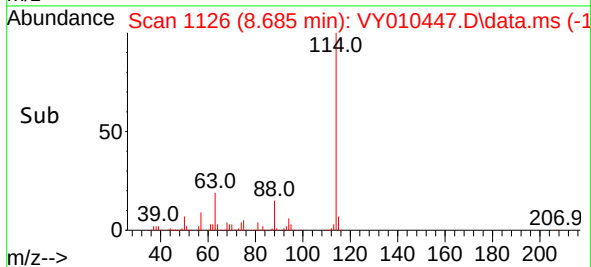
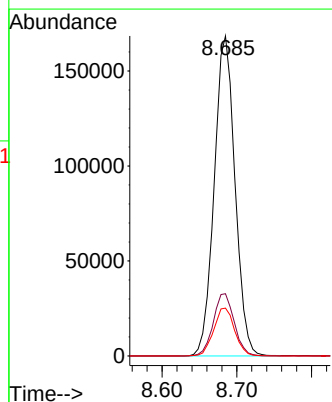
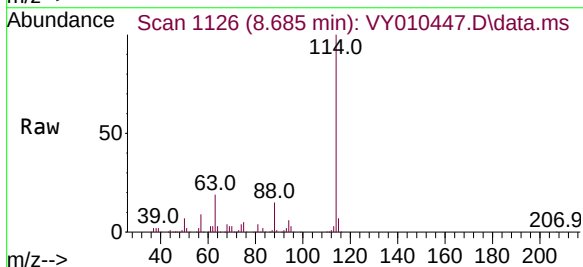
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

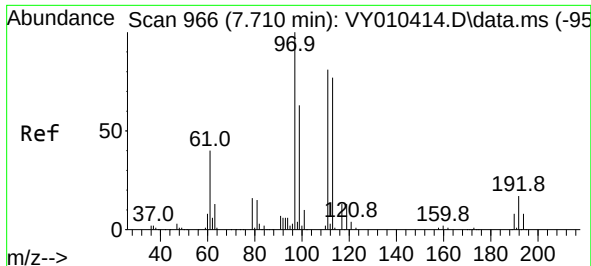
Tgt Ion: 65 Resp: 113045
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

Tgt Ion: 114 Resp: 325418
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.2
 88 15.0 0.0 31.8

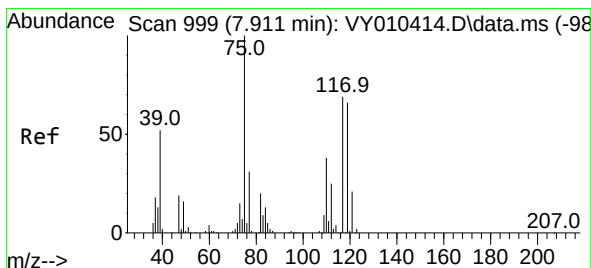
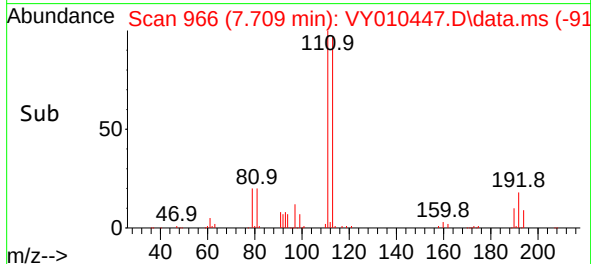
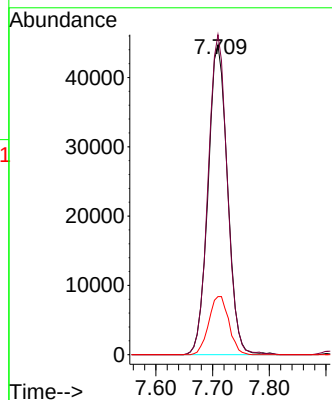
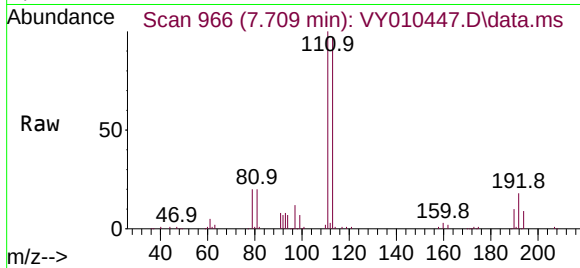




#35
Dibromofluoromethane
Concen: 46.134 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

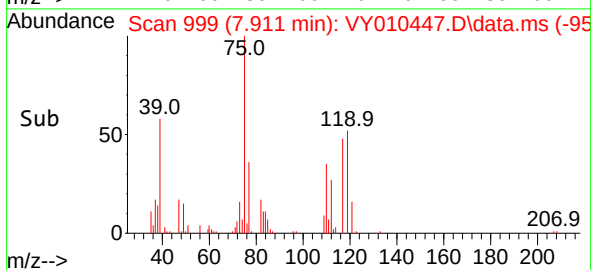
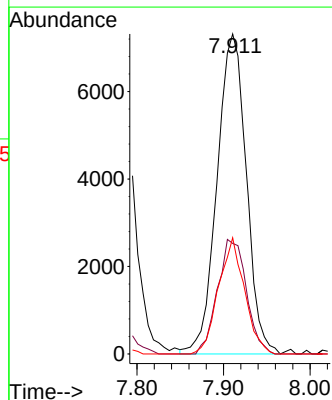
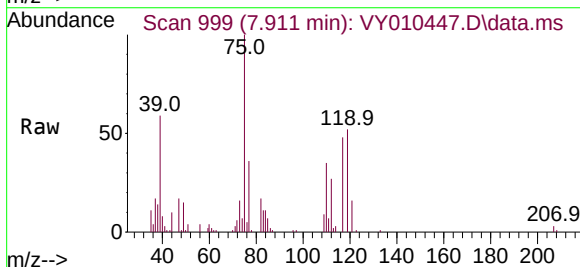
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

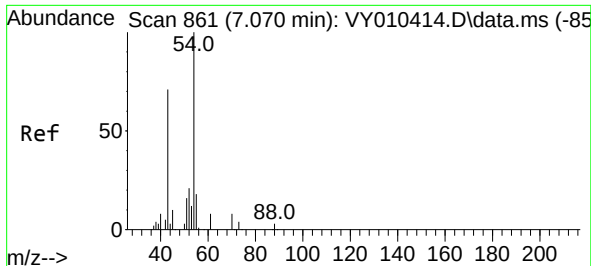
Tgt Ion:113 Resp: 106622
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.432 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 75 Resp: 17187
Ion Ratio Lower Upper
75 100
110 35.3 17.1 51.2
77 32.4 24.4 36.6





#37

Ethyl Acetate

Concen: 5.973 ug/l

RT: 7.069 min Scan# 80

Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

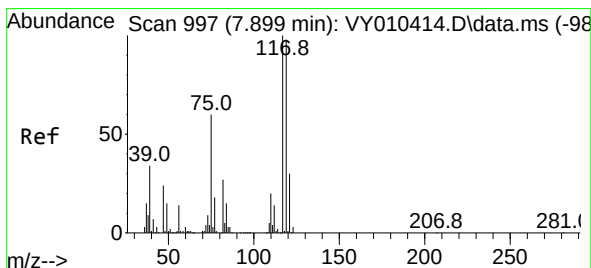
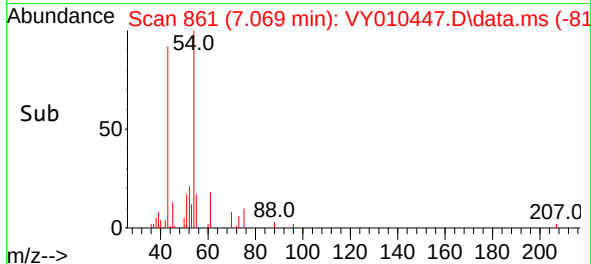
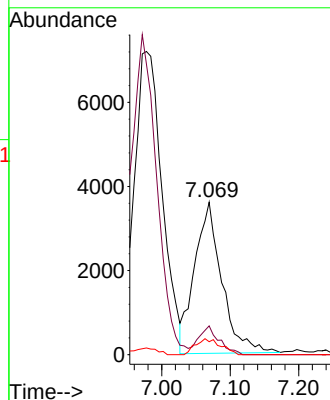
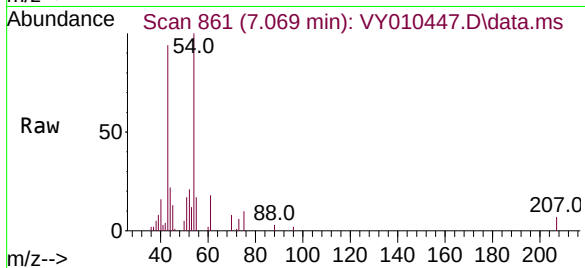
Tgt Ion: 43 Resp: 9935

Ion Ratio Lower Upper

43 100

61 14.3 9.7 14.5

70 9.8 7.1 10.7



#38

Carbon Tetrachloride

Concen: 5.336 ug/l

RT: 7.892 min Scan# 996

Delta R.T. -0.007 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

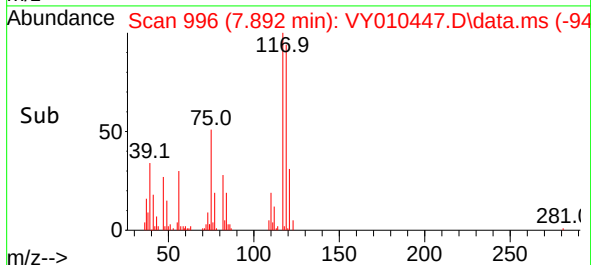
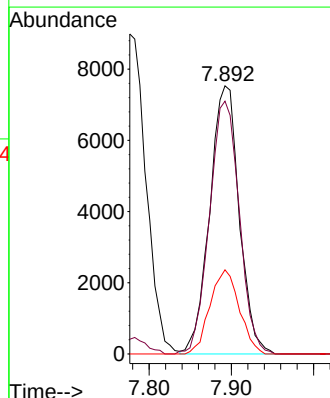
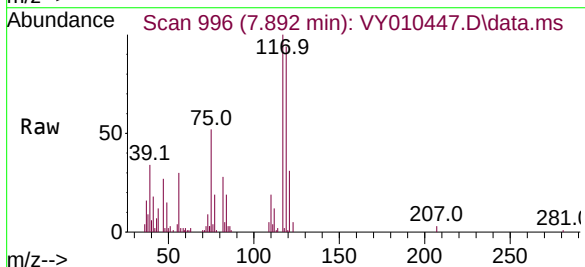
Tgt Ion: 117 Resp: 18784

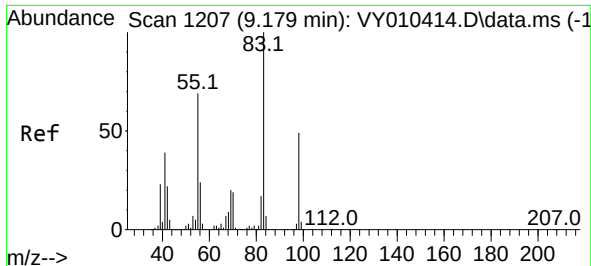
Ion Ratio Lower Upper

117 100

119 94.3 77.9 116.9

121 31.4 24.8 37.2





#39

Methylcyclohexane

Concen: 5.284 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010447.D

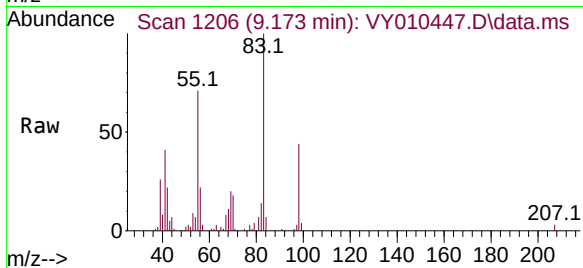
Acq: 12 Sep 2022 16:29

Instrument :

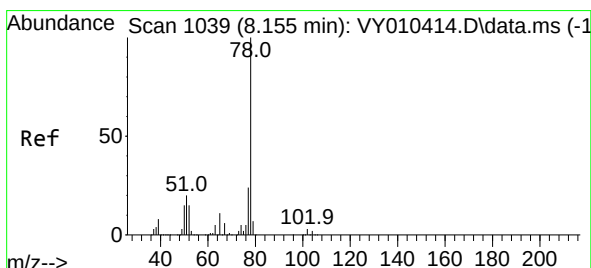
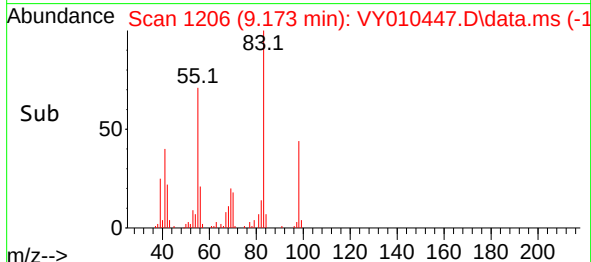
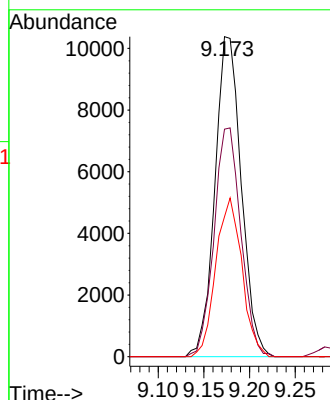
MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB



Tgt Ion:	83	Resp:	20847
Ion	Ratio	Lower	Upper
83	100		
55	71.1	66.5	99.7
98	43.7	37.9	56.9



#40

Benzene

Concen: 5.500 ug/l

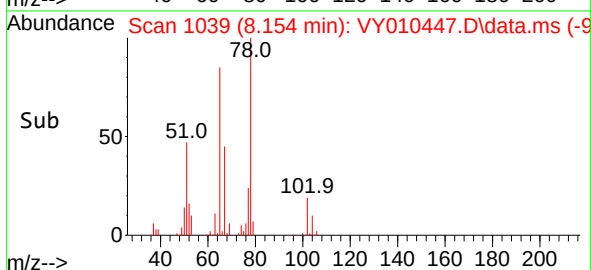
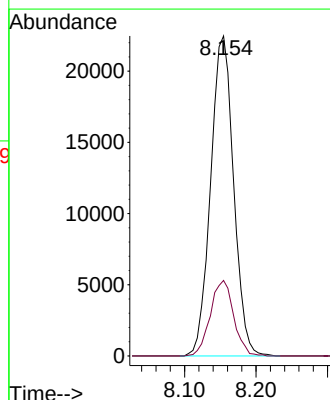
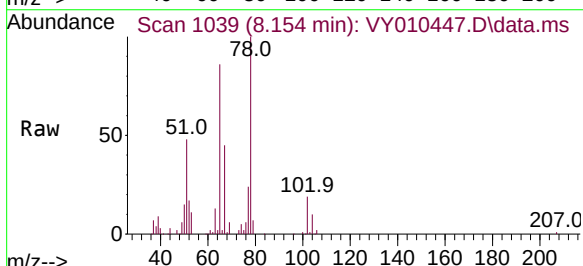
RT: 8.154 min Scan# 1039

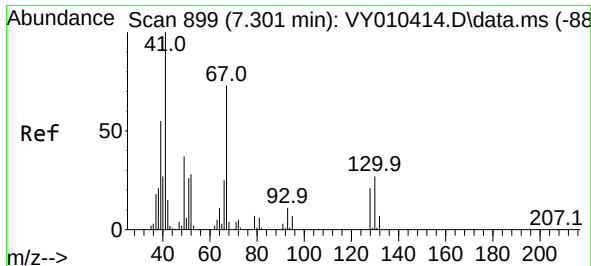
Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Tgt Ion:	78	Resp:	50093
Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.4	30.6

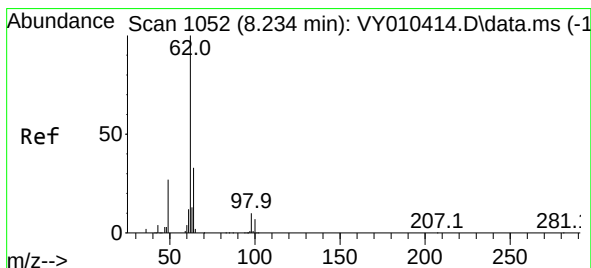
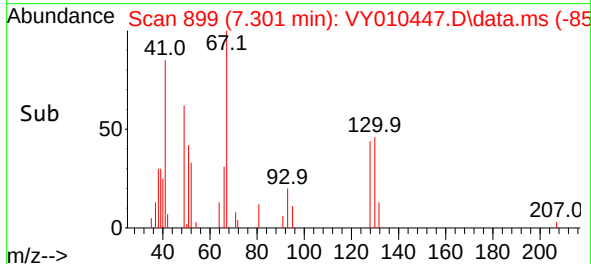
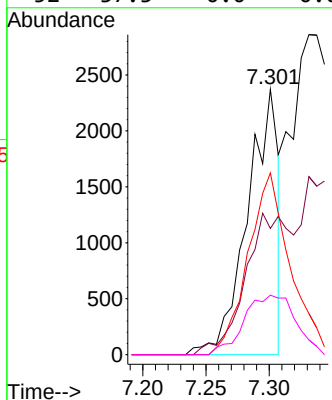
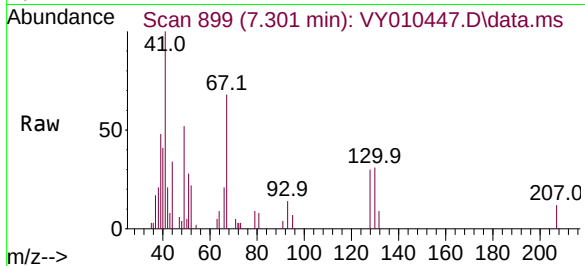




#41
Methacrylonitrile
Concen: 4.247 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

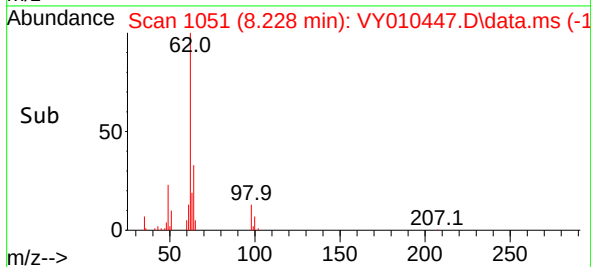
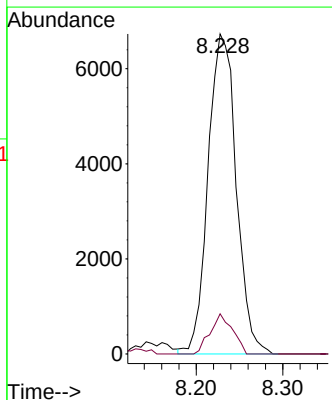
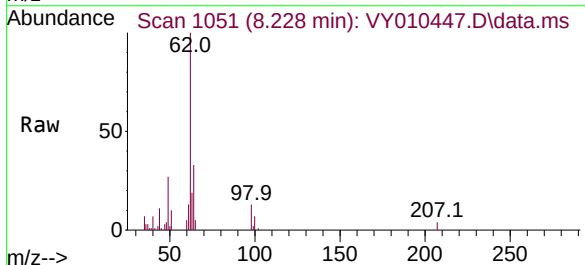
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

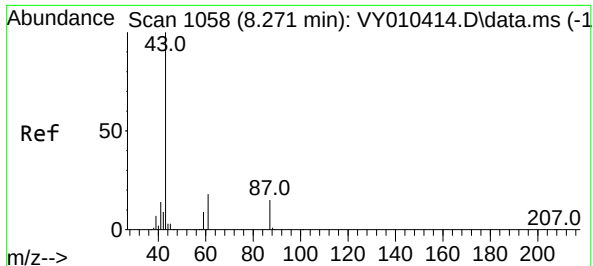
Tgt Ion:	41	Resp:	4038
Ion	Ratio	Lower	Upper
41	100		
39	79.2	92.9	139.3#
67	93.7	0.0	0.0#
52	37.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 5.619 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion:	62	Resp:	15218
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	14.8





#43

Isopropyl Acetate

Concen: 5.266 ug/l

RT: 8.264 min Scan# 11057

Delta R.T. -0.007 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

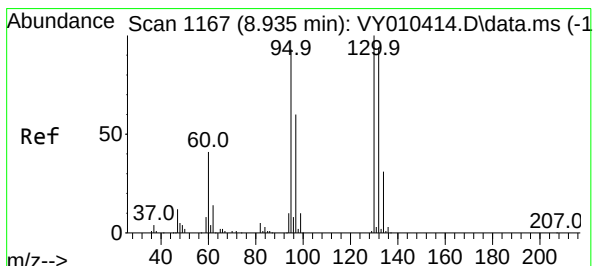
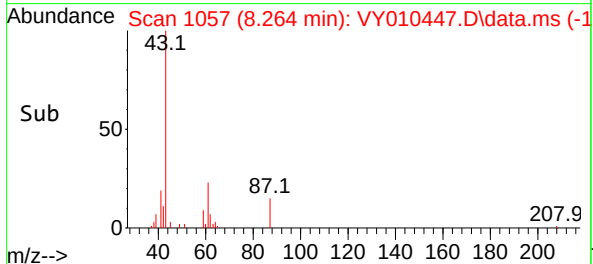
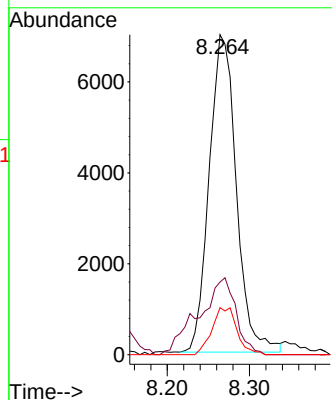
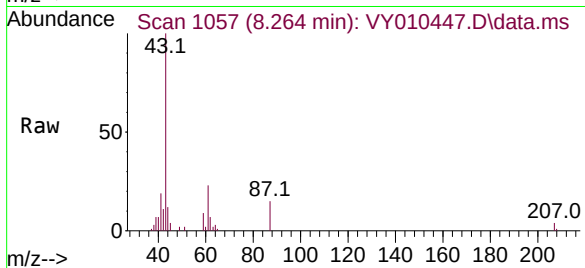
Tgt Ion: 43 Resp: 16028

Ion Ratio Lower Upper

43 100

61 33.3 20.2 30.2#

87 13.7 8.9 13.3#



#44

Trichloroethene

Concen: 5.184 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VY010447.D

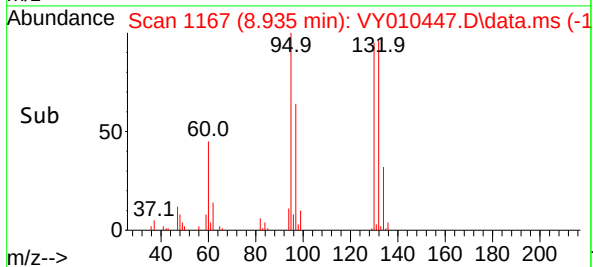
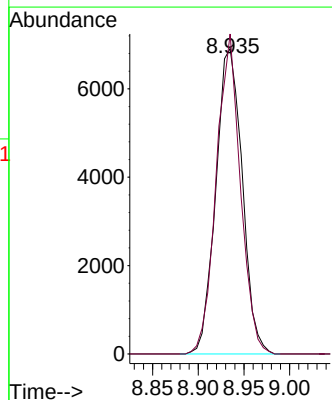
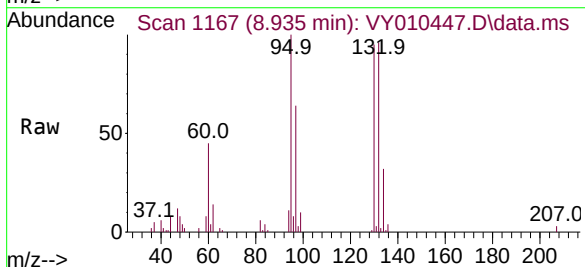
Acq: 12 Sep 2022 16:29

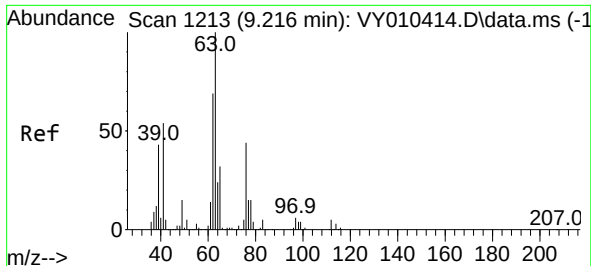
Tgt Ion:130 Resp: 13898

Ion Ratio Lower Upper

130 100

95 104.8 0.0 188.2





#45

1,2-Dichloropropane

Concen: 5.677 ug/l

RT: 9.209 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

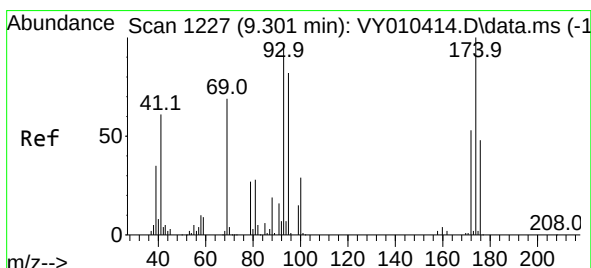
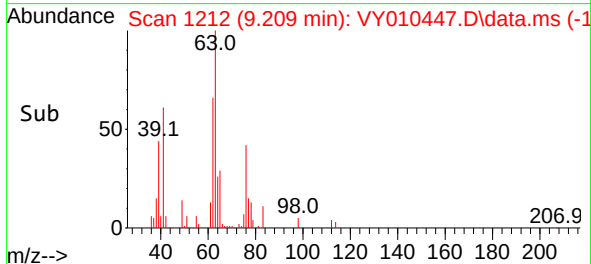
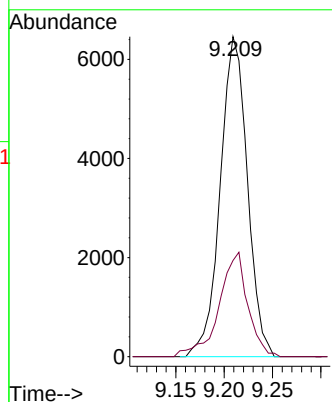
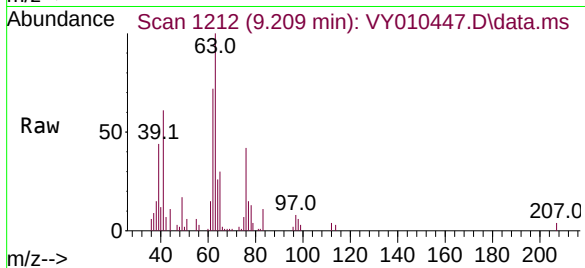
LOQ-SOIL-02-QT3-2022 5.0PPB

Tgt Ion: 63 Resp: 12611

Ion Ratio Lower Upper

63 100

65 30.0 23.0 34.6



#46

Dibromomethane

Concen: 5.388 ug/l

RT: 9.294 min Scan# 1226

Delta R.T. -0.007 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

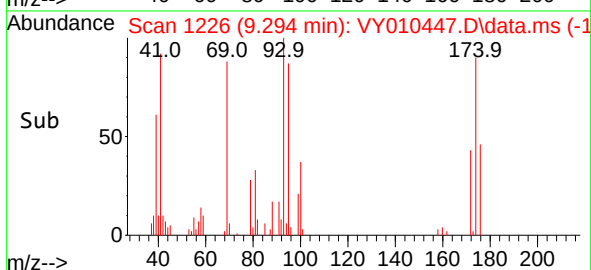
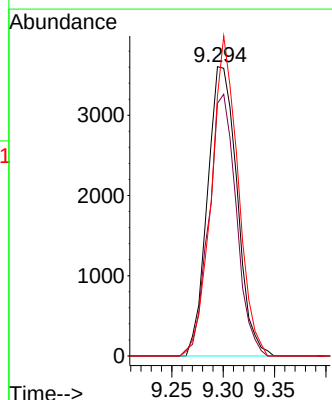
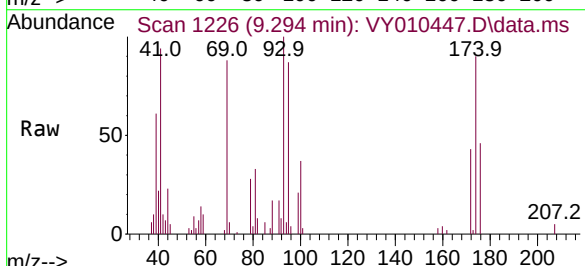
Tgt Ion: 93 Resp: 7217

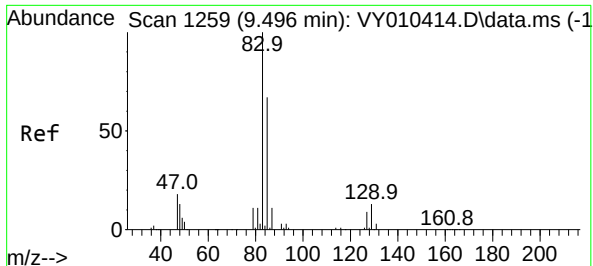
Ion Ratio Lower Upper

93 100

95 83.8 64.3 96.5

174 99.4 83.4 125.0

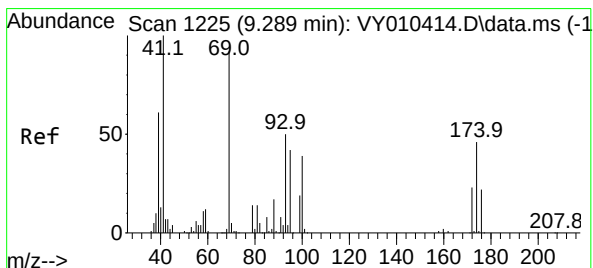
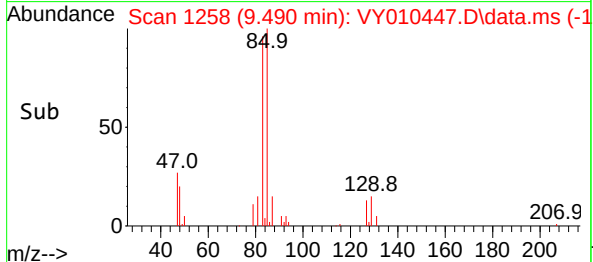
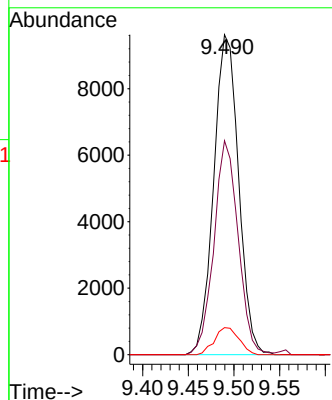
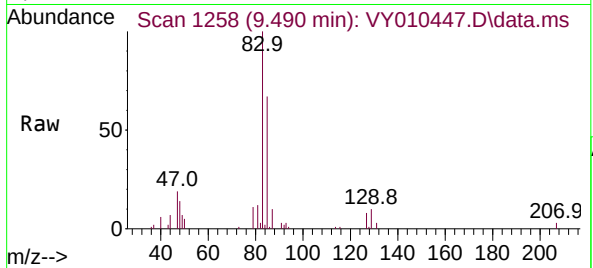




#47
Bromodichloromethane
Concen: 5.724 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

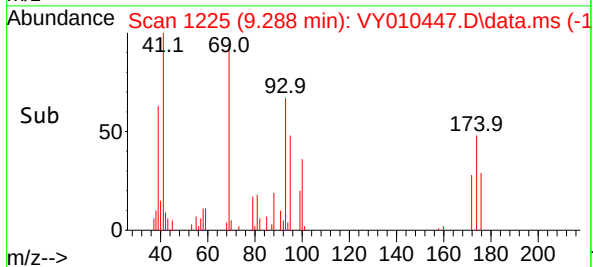
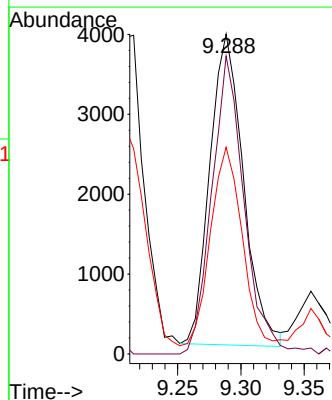
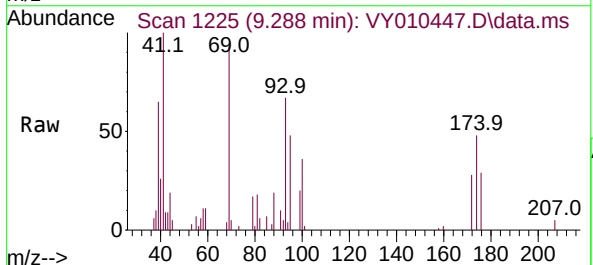
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

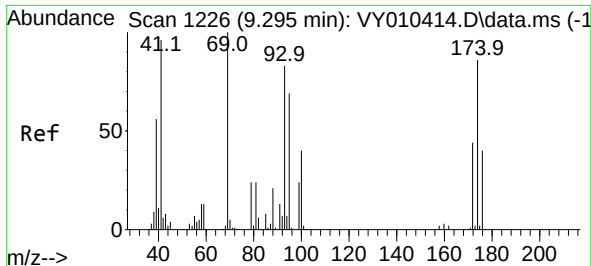
Tgt Ion: 83 Resp: 18214
Ion Ratio Lower Upper
83 100
85 66.8 51.9 77.9
127 8.4 6.6 10.0



#48
Methyl methacrylate
Concen: 5.248 ug/l
RT: 9.288 min Scan# 1225
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 41 Resp: 7175
Ion Ratio Lower Upper
41 100
69 93.1 58.2 87.2#
39 61.2 47.4 71.0





#49

1,4-Dioxane

Concen: 104.046 ug/l

RT: 9.288 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY010447.D

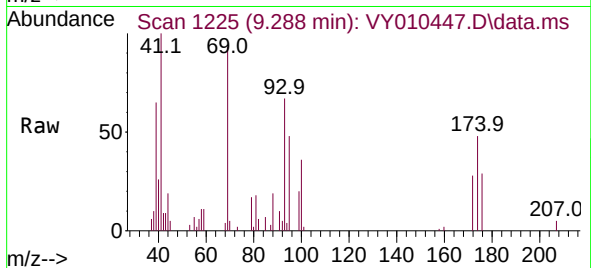
Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB



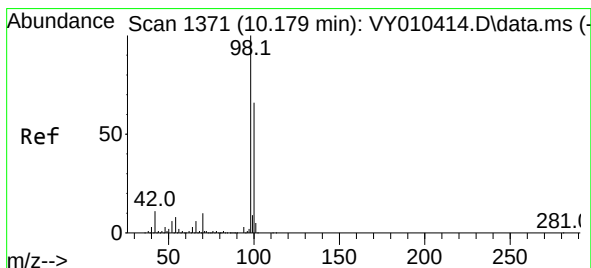
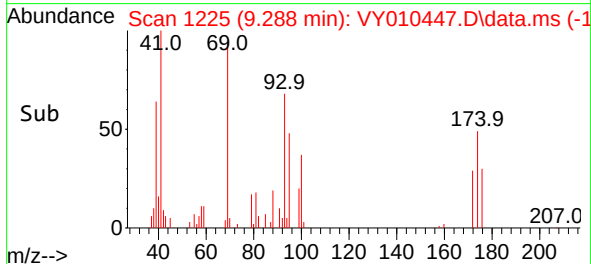
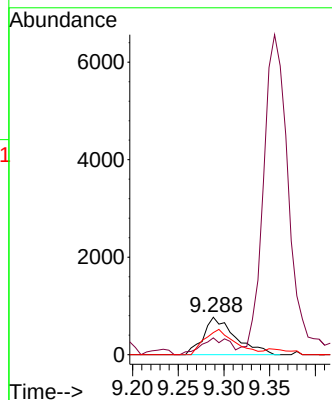
Tgt Ion: 88 Resp: 1845

Ion Ratio Lower Upper

88 100

43 39.6 32.8 49.2

58 64.1 59.8 89.6



#50

Toluene-d8

Concen: 53.348 ug/l

RT: 10.172 min Scan# 1370

Delta R.T. -0.007 min

Lab File: VY010447.D

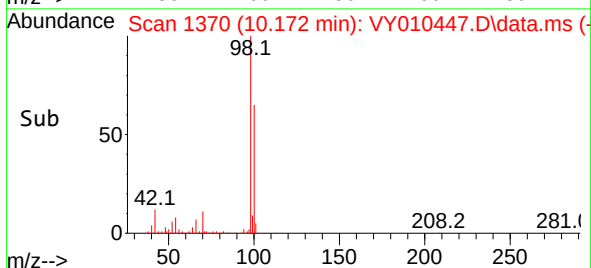
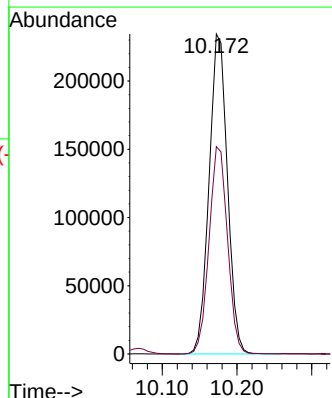
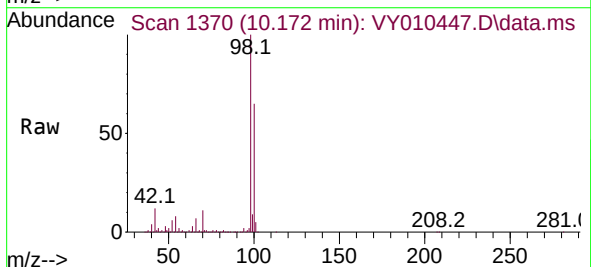
Acq: 12 Sep 2022 16:29

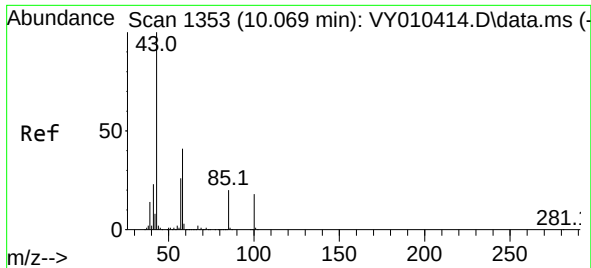
Tgt Ion: 98 Resp: 399588

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2

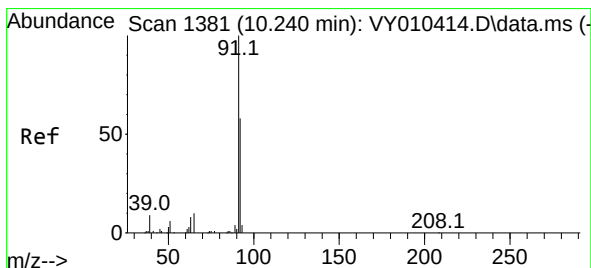
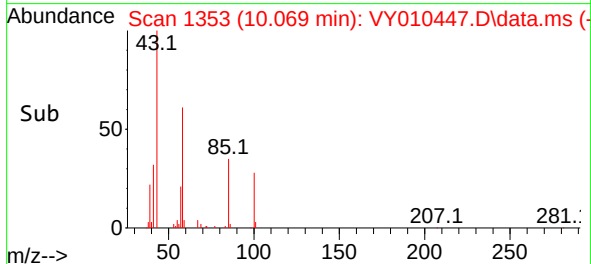
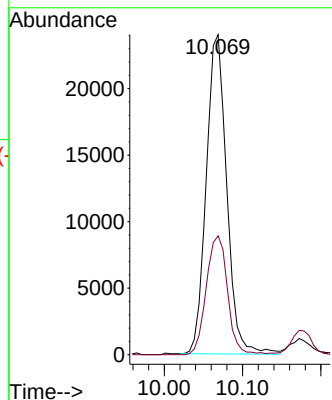
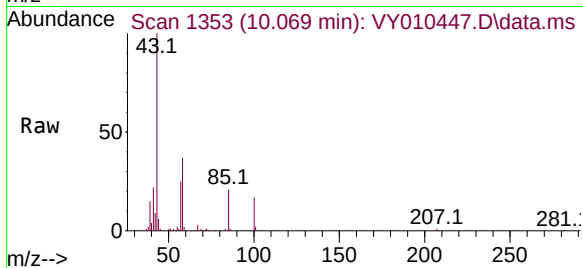




#51
4-Methyl-2-Pentanone
Concen: 26.137 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

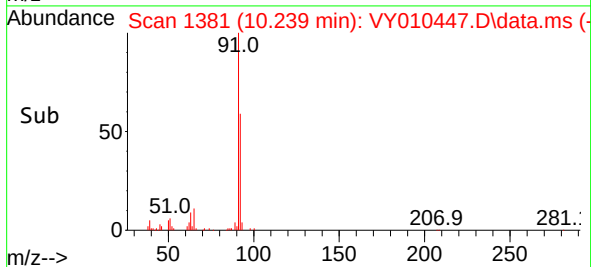
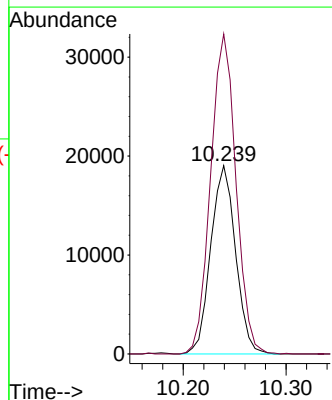
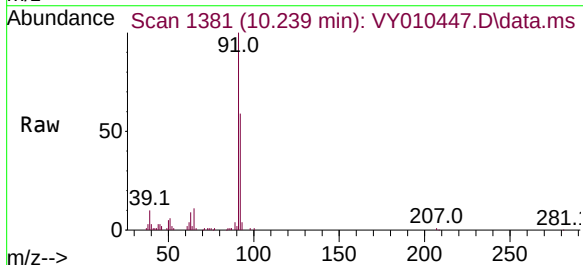
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

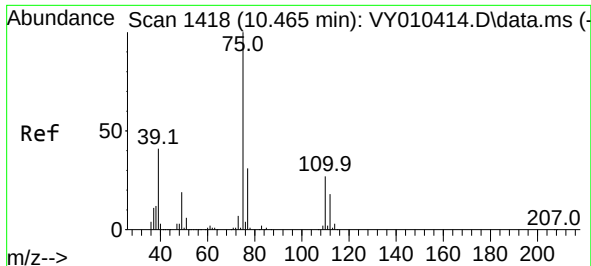
Tgt Ion: 43 Resp: 43639
Ion Ratio Lower Upper
43 100
58 38.5 28.1 42.1



#52
Toluene
Concen: 5.352 ug/l
RT: 10.239 min Scan# 1381
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 92 Resp: 31899
Ion Ratio Lower Upper
92 100
91 173.6 142.6 213.8

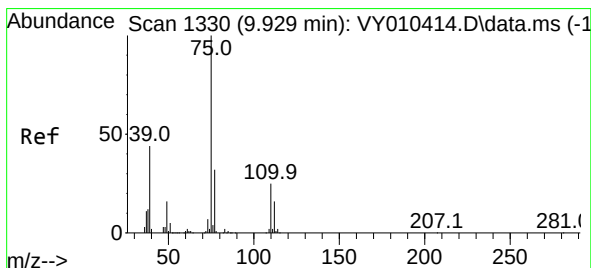
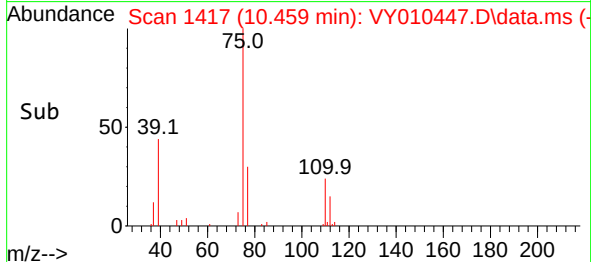
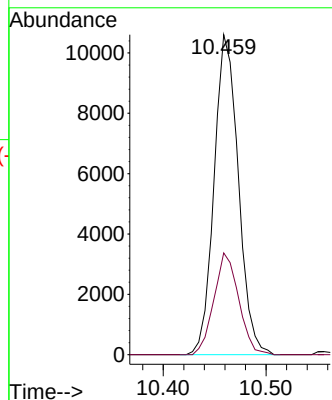
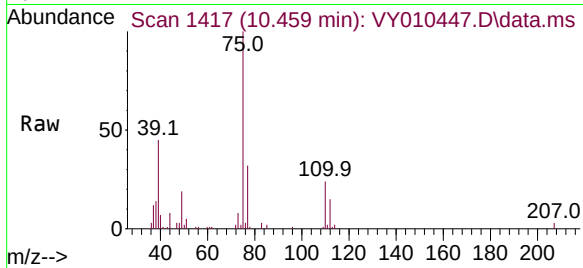




#53
 t-1,3-Dichloropropene
 Concen: 5.299 ug/l
 RT: 10.459 min Scan# 1418
 Delta R.T. -0.006 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

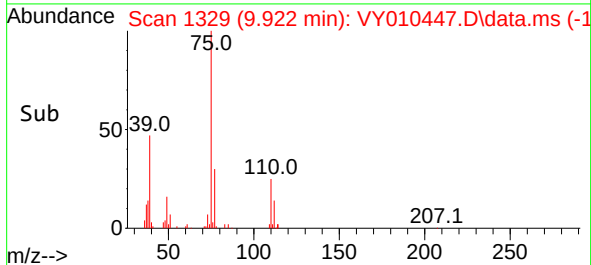
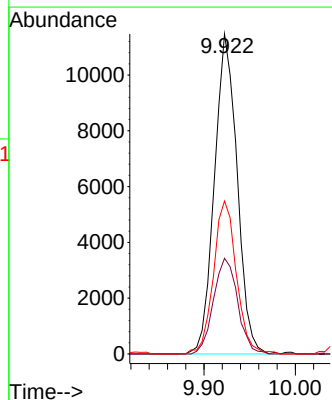
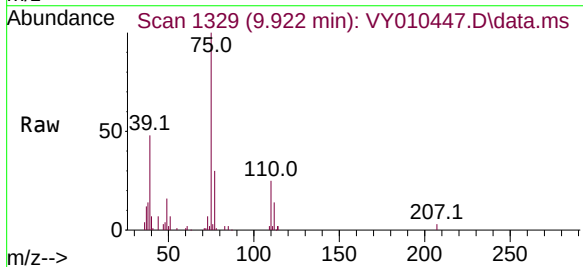
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

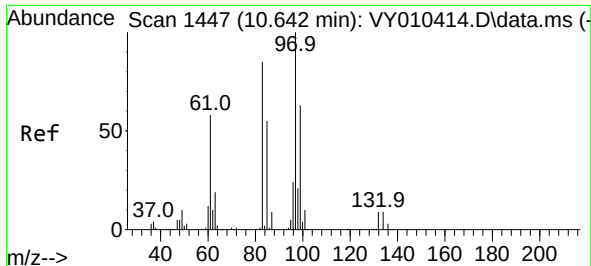
Tgt Ion: 75 Resp: 17350
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.352 ug/l
 RT: 9.922 min Scan# 1329
 Delta R.T. -0.007 min
 Lab File: VY010447.D
 Acq: 12 Sep 2022 16:29

Tgt Ion: 75 Resp: 19766
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.6 38.4
 39 47.8 47.6 71.4

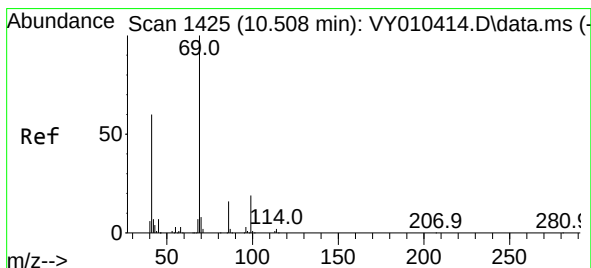
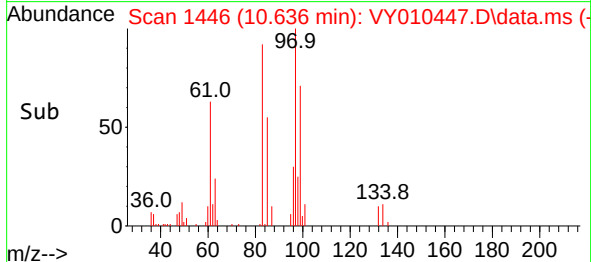
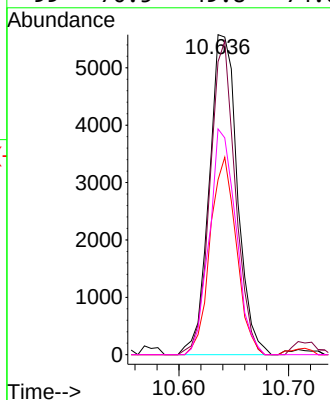
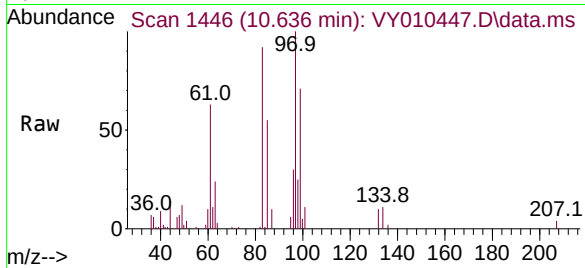




#55
1,1,2-Trichloroethane
Concen: 5.229 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

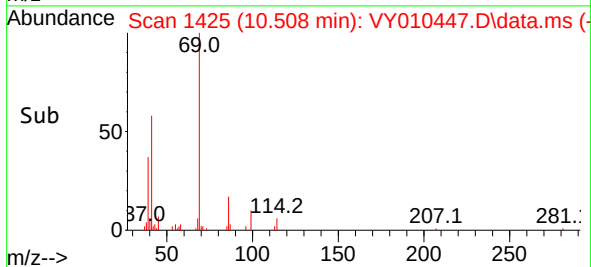
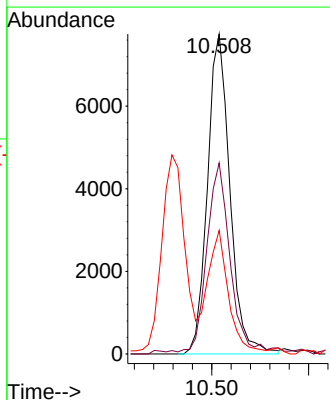
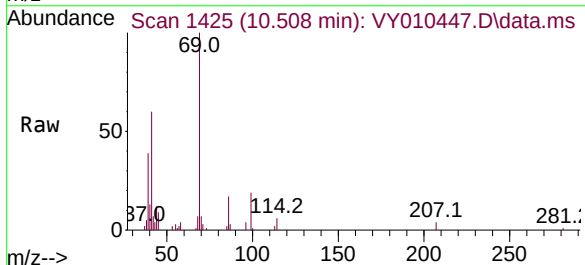
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

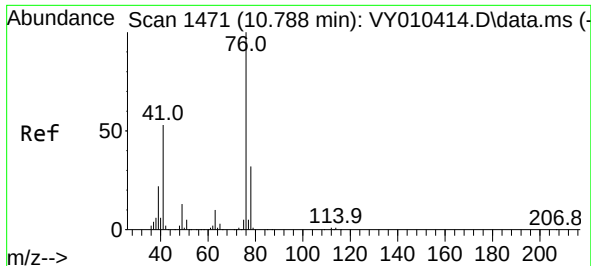
Tgt Ion:	97	Resp:	9963
Ion	Ratio	Lower	Upper
97	100		
83	91.6	69.8	104.8
85	54.7	44.3	66.5
99	70.5	49.8	74.6



#56
Ethyl methacrylate
Concen: 4.983 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion:	69	Resp:	12470
Ion	Ratio	Lower	Upper
69	100		
41	61.3	63.4	95.0#
39	34.8	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 5.496 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

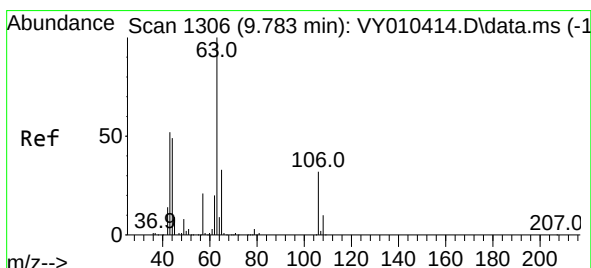
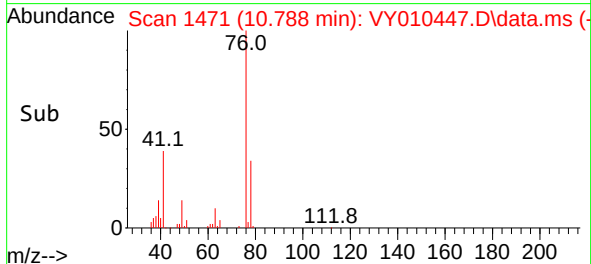
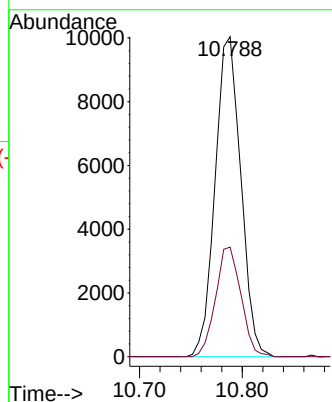
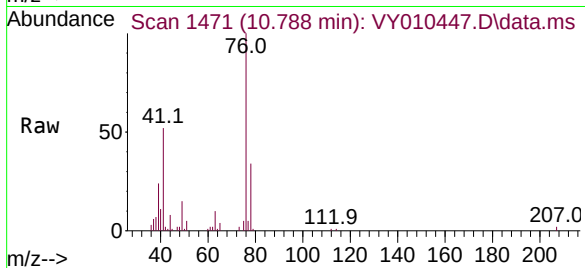
LOQ-SOIL-02-QT3-2022 5.0PPB

Tgt Ion: 76 Resp: 17413

Ion Ratio Lower Upper

76 100

78 33.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 38.354 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.007 min

Lab File: VY010447.D

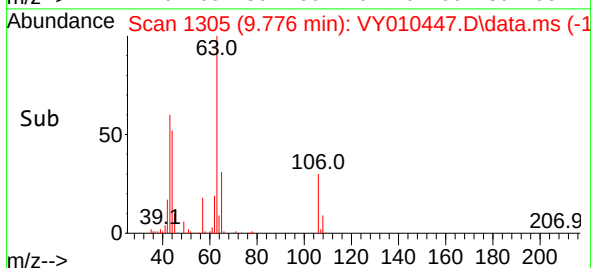
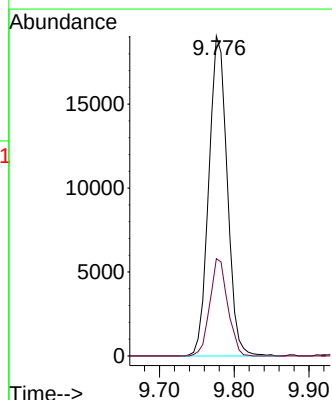
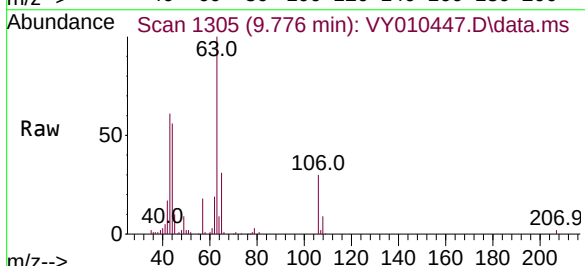
Acq: 12 Sep 2022 16:29

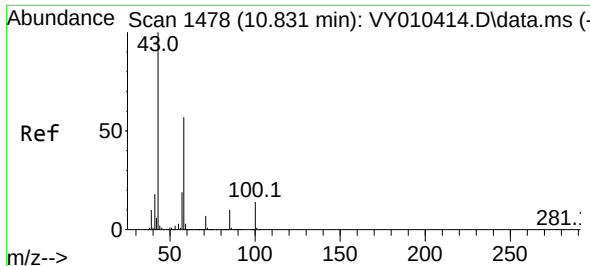
Tgt Ion: 63 Resp: 32651

Ion Ratio Lower Upper

63 100

106 29.5 21.5 32.3

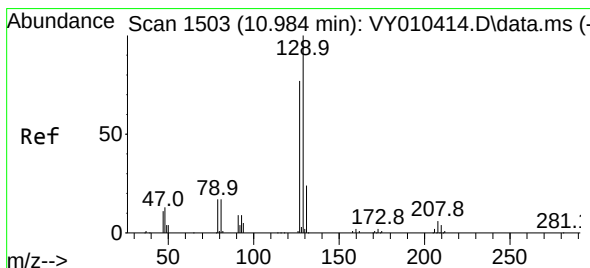
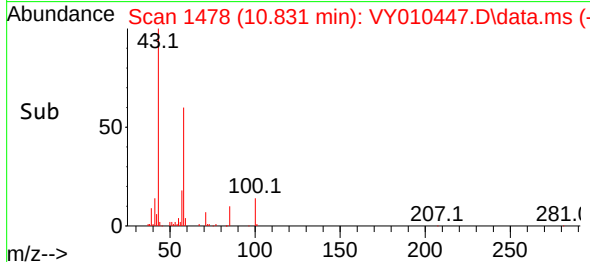
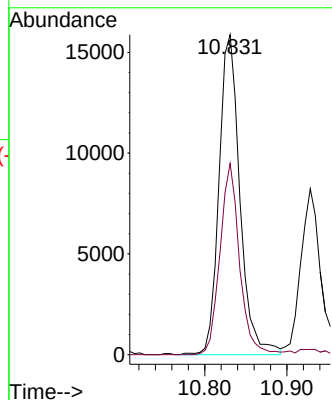
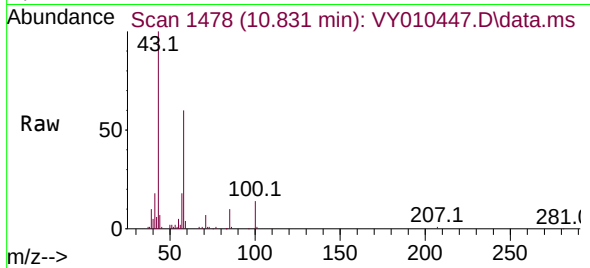




#59
2-Hexanone
Concen: 24.621 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

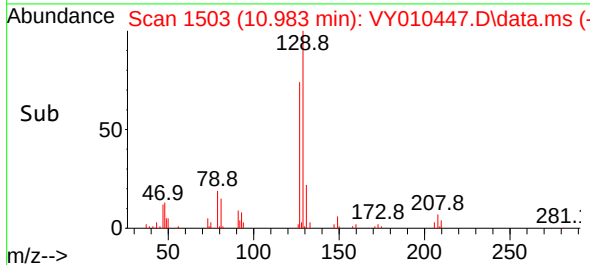
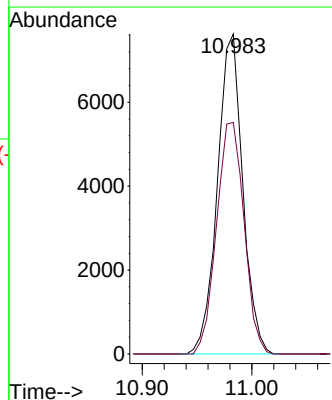
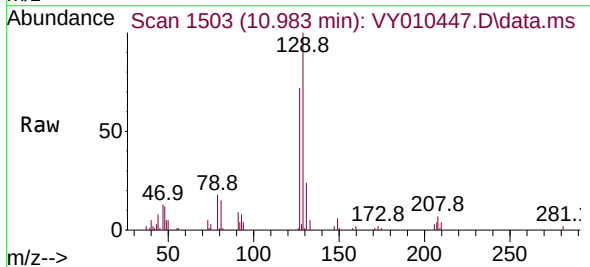
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

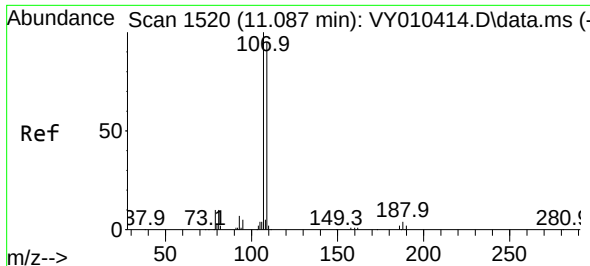
Tgt Ion: 43 Resp: 28021
Ion Ratio Lower Upper
43 100
58 55.8 24.4 73.4



#60
Dibromochloromethane
Concen: 5.260 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 129 Resp: 12248
Ion Ratio Lower Upper
129 100
127 78.6 38.7 116.1

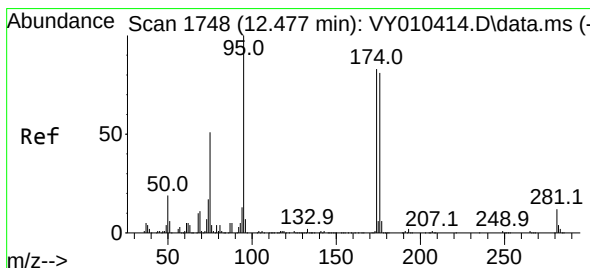
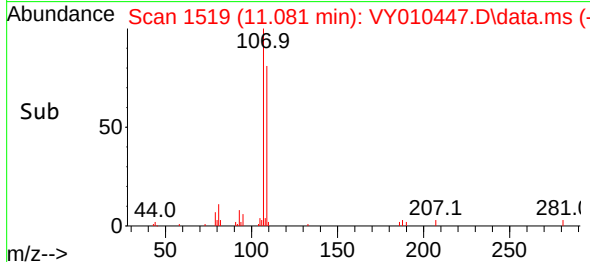
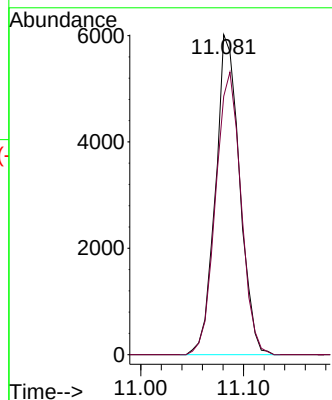
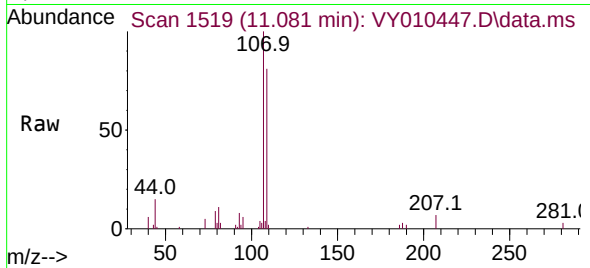




#61
1,2-Dibromoethane
Concen: 5.306 ug/l
RT: 11.081 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

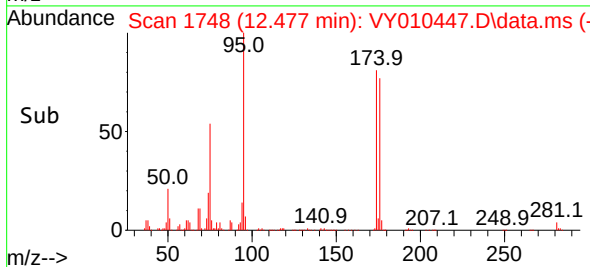
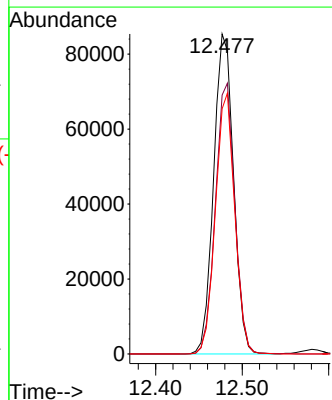
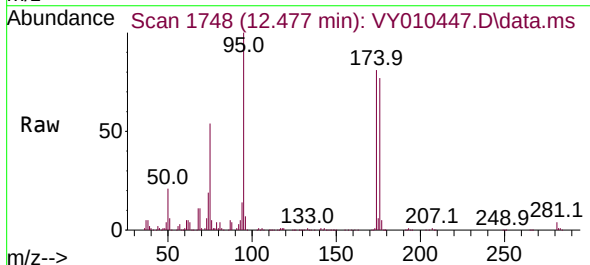
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

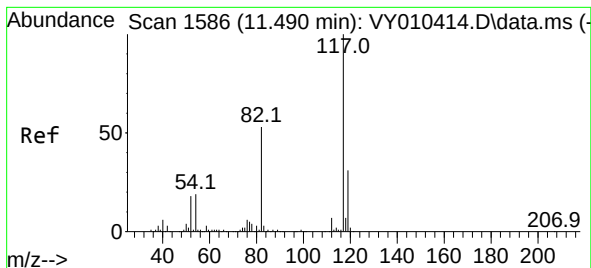
Tgt Ion:107 Resp: 9814
Ion Ratio Lower Upper
107 100
109 92.7 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 39.685 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 95 Resp: 136406
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 79.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

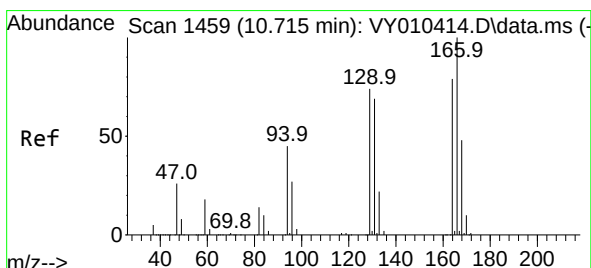
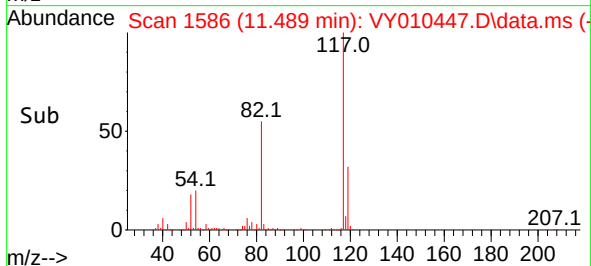
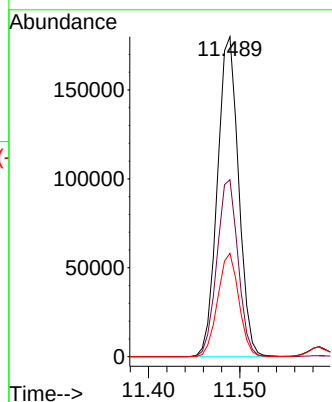
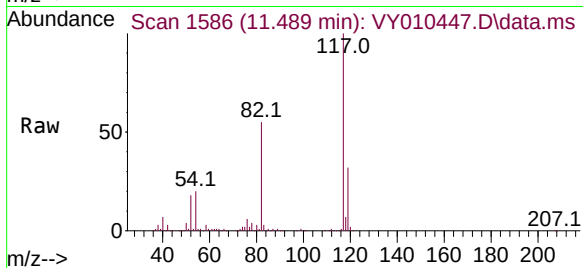
Tgt Ion:117 Resp: 290399

Ion Ratio Lower Upper

117 100

82 55.3 43.0 64.4

119 32.3 25.4 38.0



#64

Tetrachloroethene

Concen: 5.122 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Tgt Ion:164 Resp: 13406

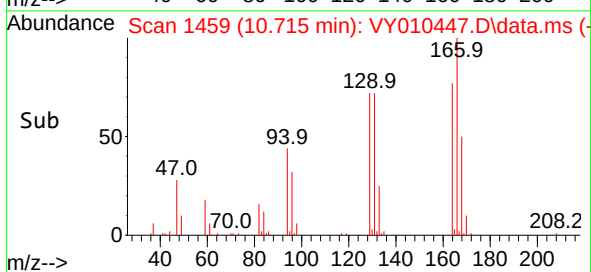
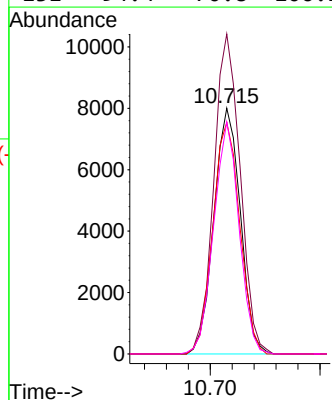
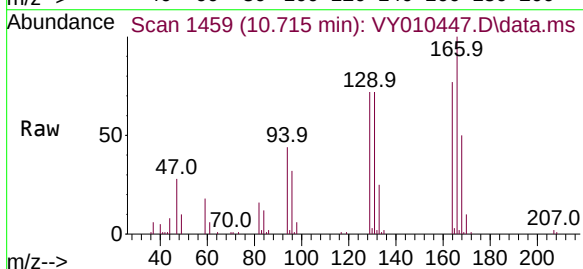
Ion Ratio Lower Upper

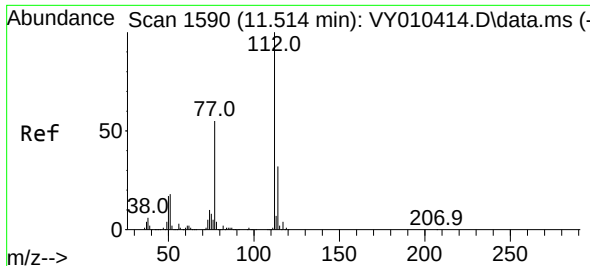
164 100

166 130.2 100.4 150.6

129 94.2 71.4 107.0

131 94.4 70.8 106.2

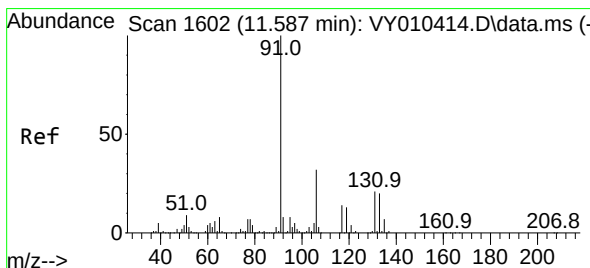
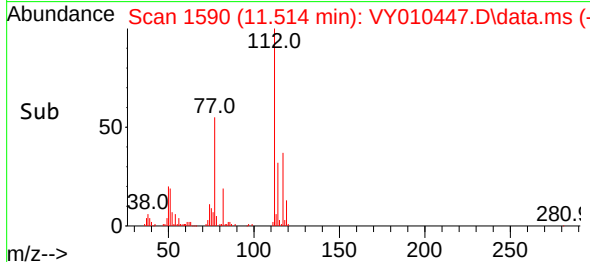
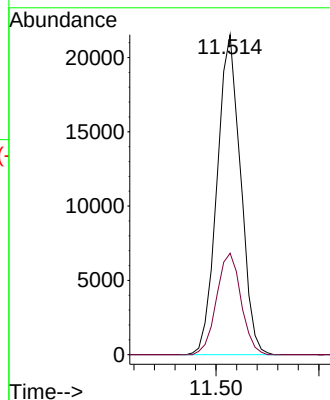
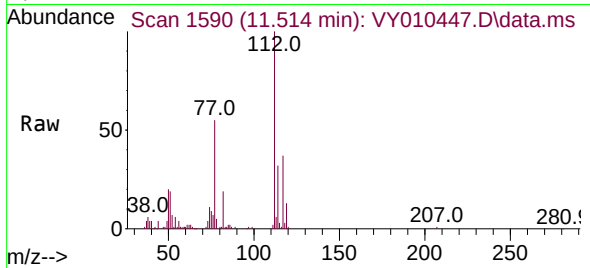




#65
Chlorobenzene
Concen: 5.265 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

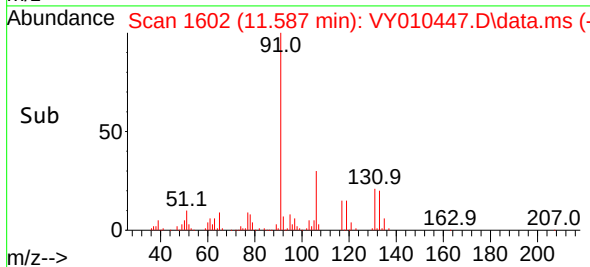
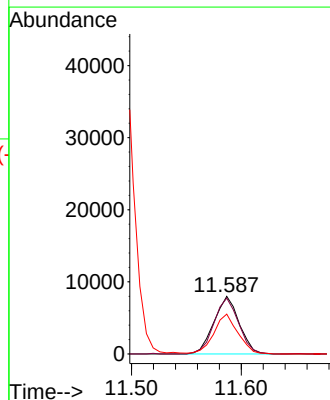
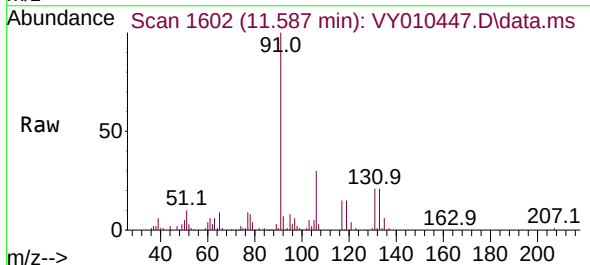
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

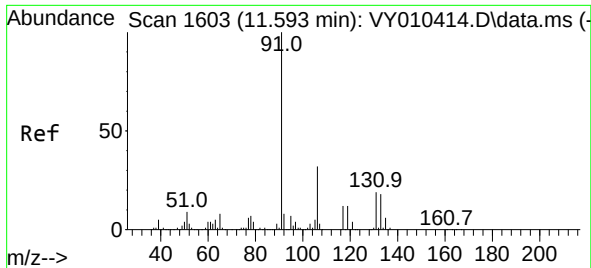
Tgt Ion:112 Resp: 34189
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 5.292 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion:131 Resp: 12728
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.6
119 66.5 30.8 92.3

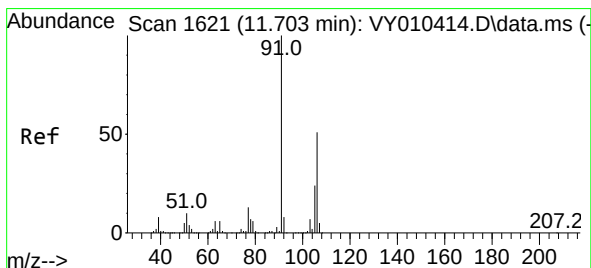
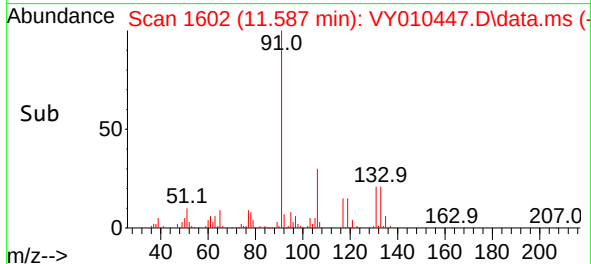
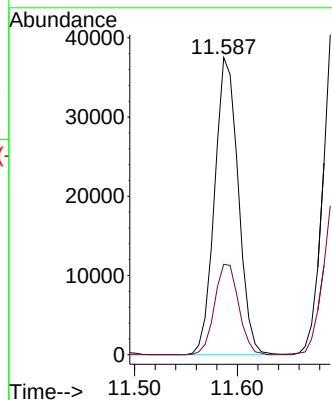
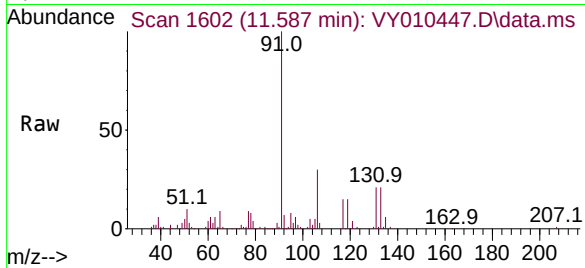




#67
Ethyl Benzene
Concen: 5.199 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

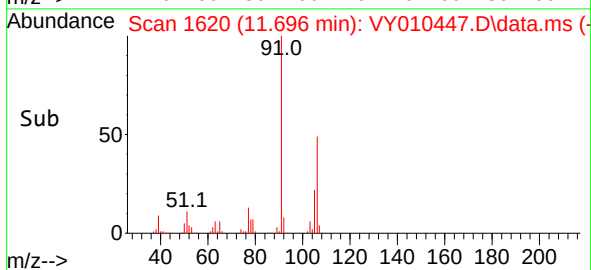
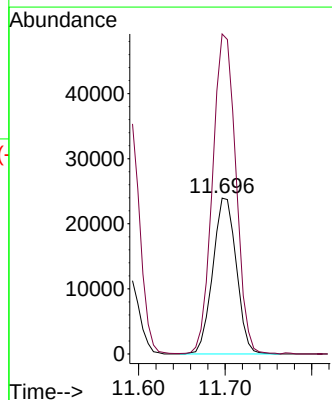
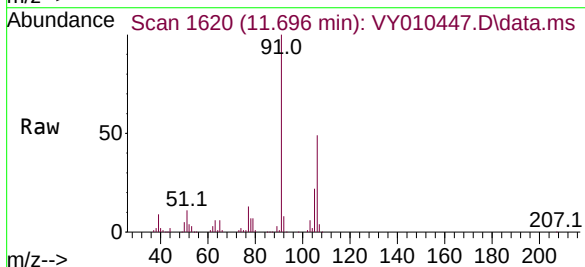
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

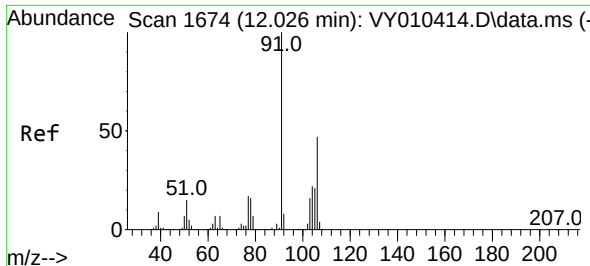
Tgt Ion: 91 Resp: 59754
Ion Ratio Lower Upper
91 100
106 30.4 24.5 36.7



#68
m/p-Xylenes
Concen: 10.002 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 106 Resp: 45133
Ion Ratio Lower Upper
106 100
91 204.4 166.6 249.8

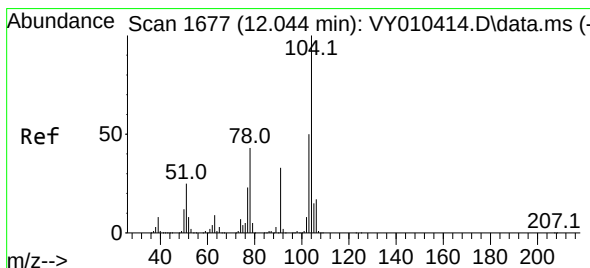
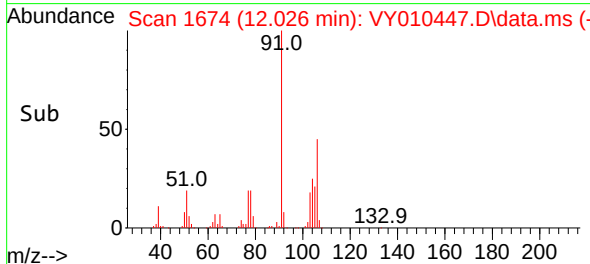
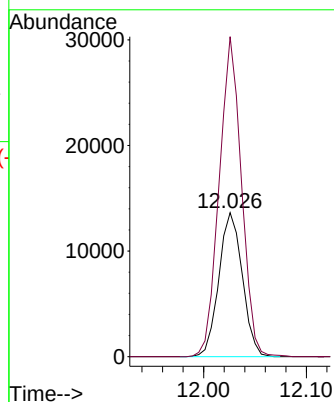
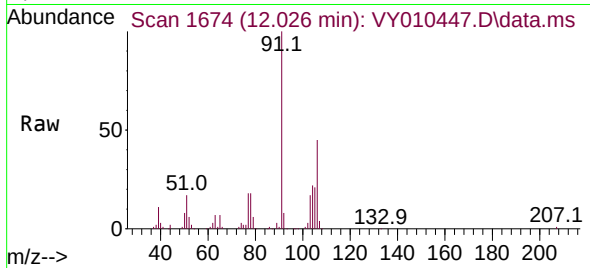




#69
o-Xylene
Concen: 5.021 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

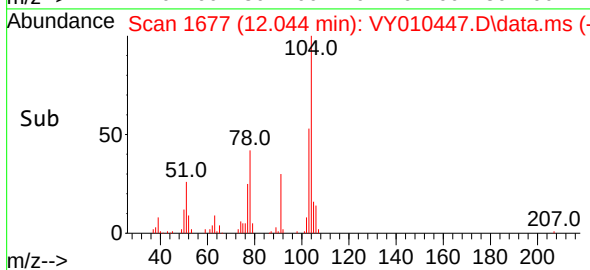
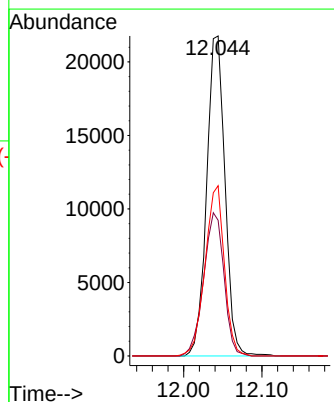
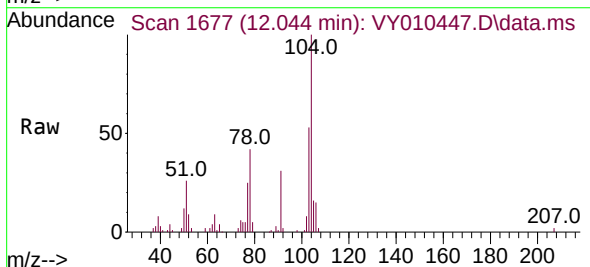
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

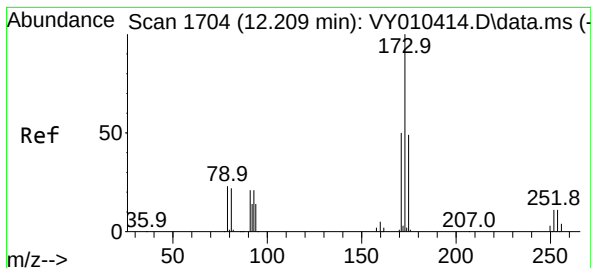
Tgt Ion:106 Resp: 21635
Ion Ratio Lower Upper
106 100
91 210.6 110.3 331.0



#70
Styrene
Concen: 4.848 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion:104 Resp: 35354
Ion Ratio Lower Upper
104 100
78 49.5 42.4 63.6
103 56.0 44.4 66.6





#71

Bromoform

Concen: 4.934 ug/l

RT: 12.202 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY010447.D

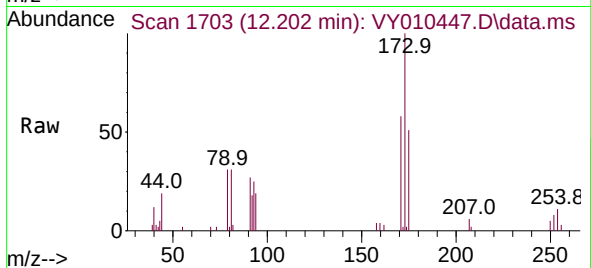
Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB



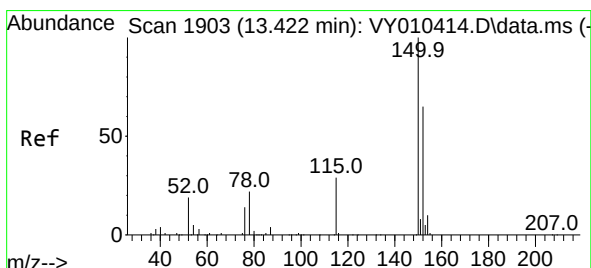
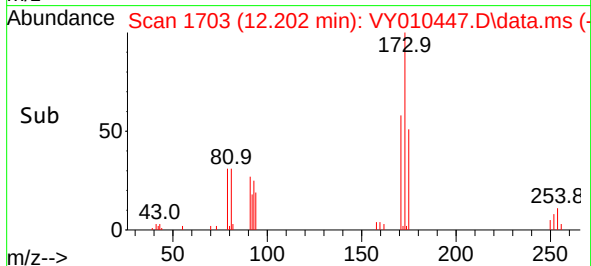
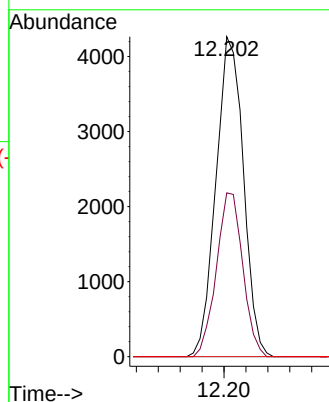
Tgt Ion:173 Resp: 7419

Ion Ratio Lower Upper

173 100

175 49.2 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: VY010447.D

Acq: 12 Sep 2022 16:29

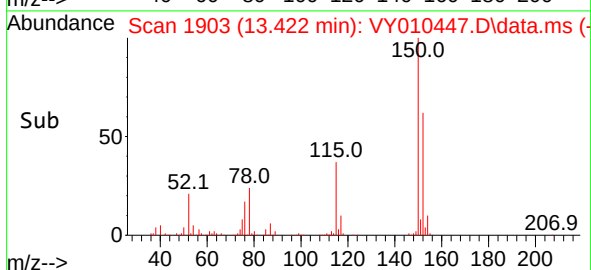
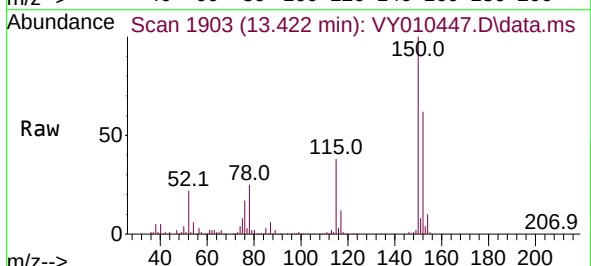
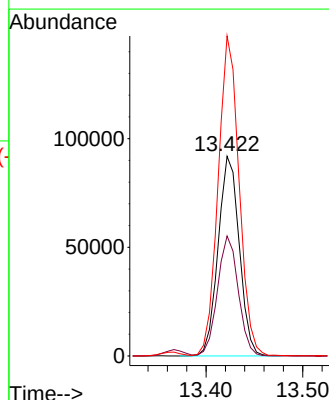
Tgt Ion:152 Resp: 139266

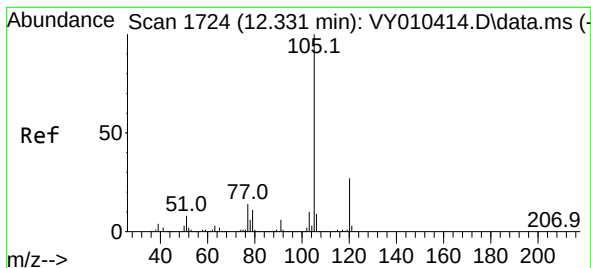
Ion Ratio Lower Upper

152 100

115 59.2 28.2 84.7

150 159.3 0.0 347.6





#73

Isopropylbenzene

Concen: 5.330 ug/l

RT: 12.324 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

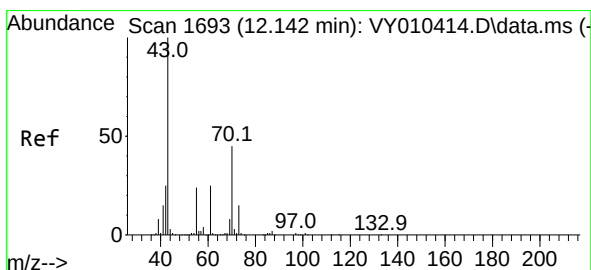
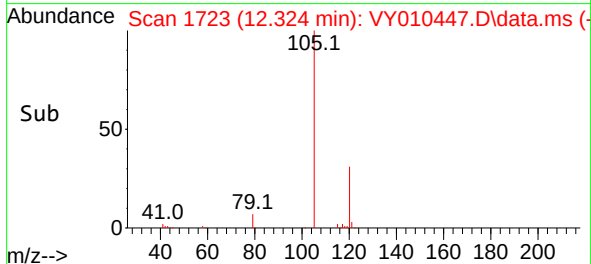
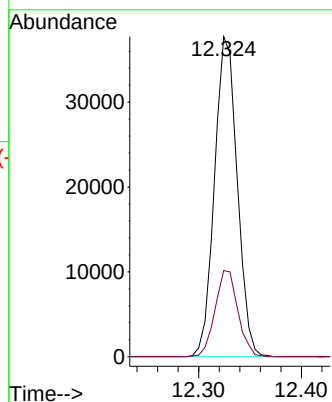
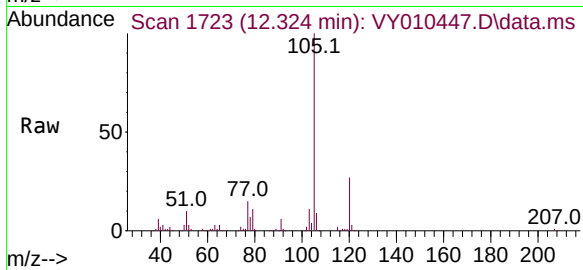
LOQ-SOIL-02-QT3-2022 5.0PPB

Tgt Ion:105 Resp: 57921

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 5.259 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Tgt Ion: 43 Resp: 13334

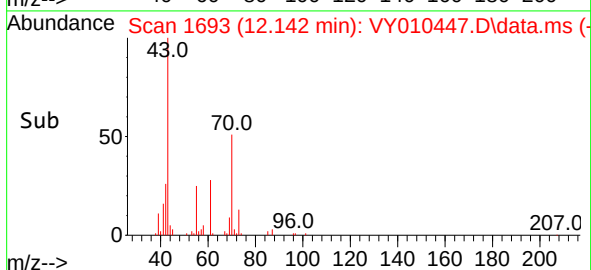
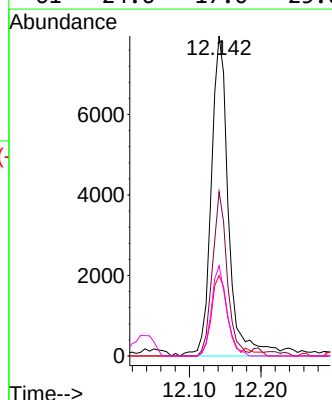
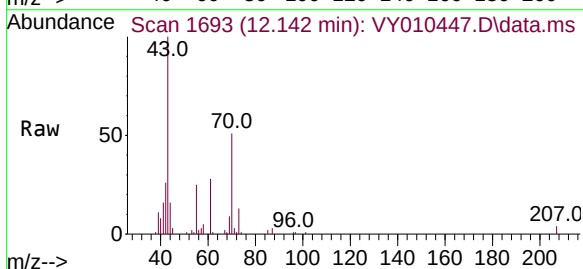
Ion Ratio Lower Upper

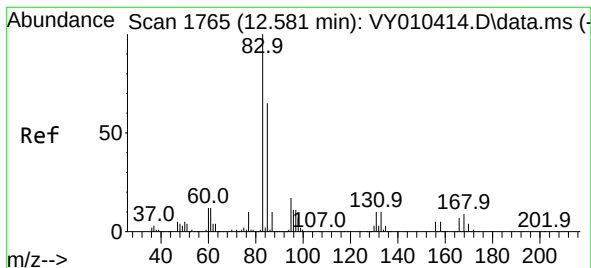
43 100

70 43.8 28.7 43.1#

55 23.2 17.3 25.9

61 24.6 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.668 ug/l

RT: 12.580 min Scan# 1765

Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

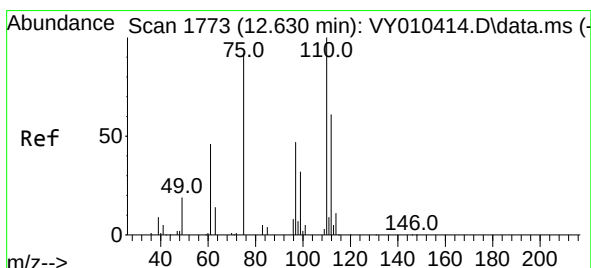
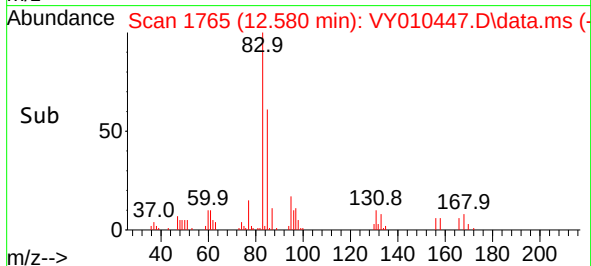
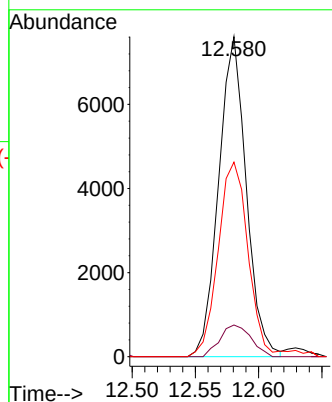
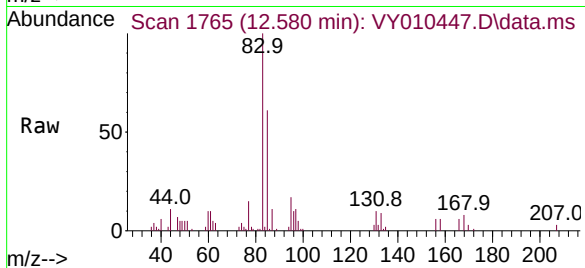
Tgt Ion: 83 Resp: 11520

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

85 66.3 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 9.827 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.001 min

Lab File: VY010447.D

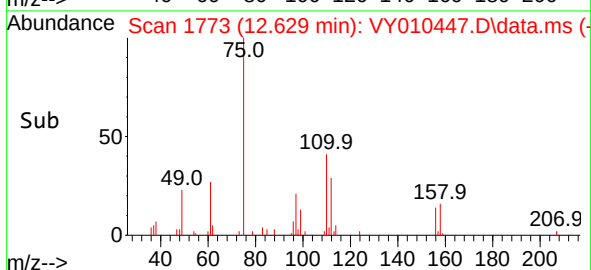
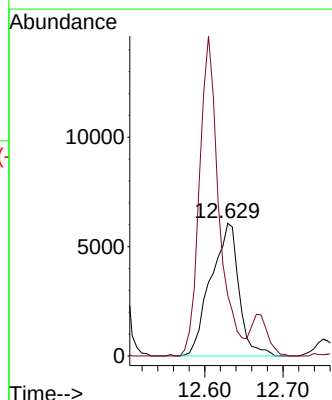
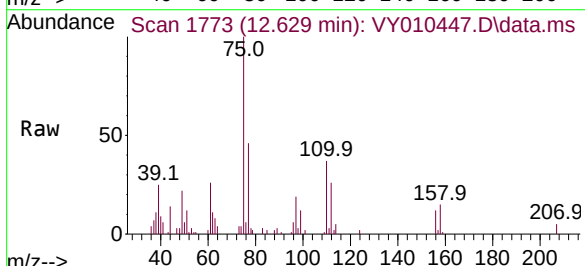
Acq: 12 Sep 2022 16:29

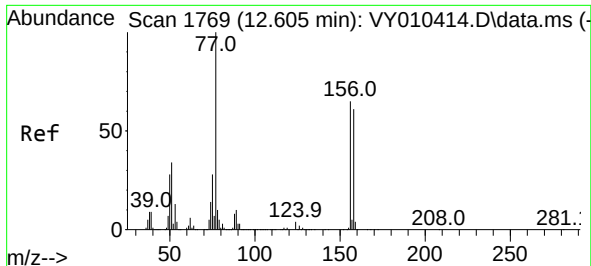
Tgt Ion: 75 Resp: 15105

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

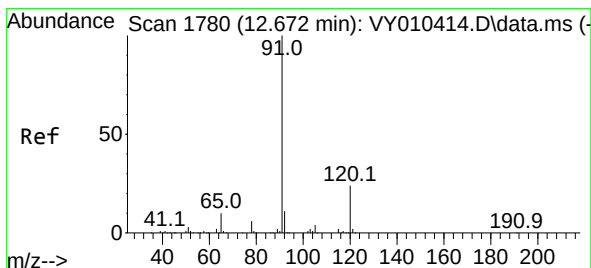
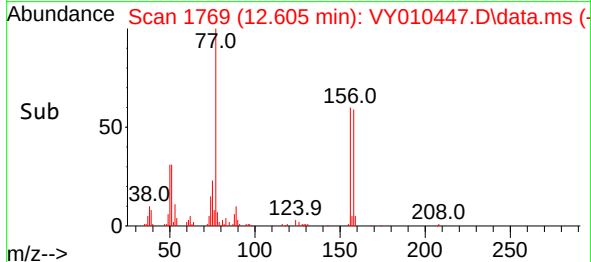
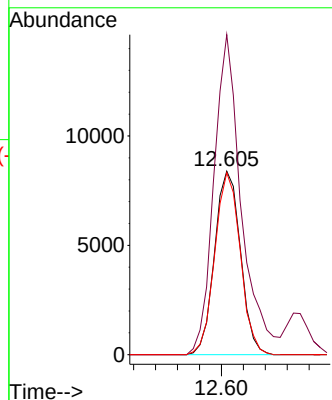
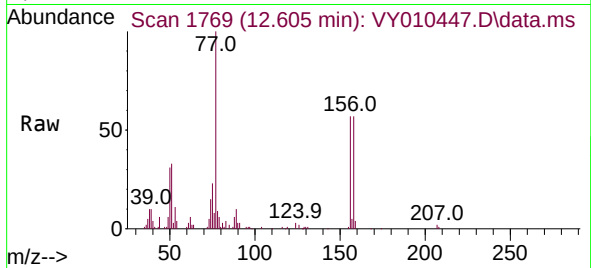




#77
Bromobenzene
Concen: 5.348 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

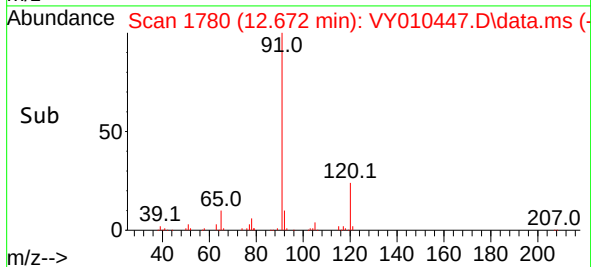
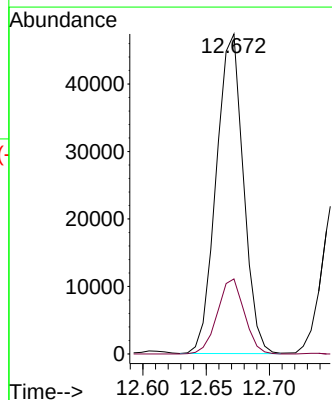
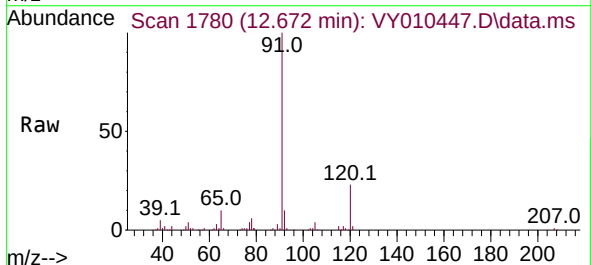
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

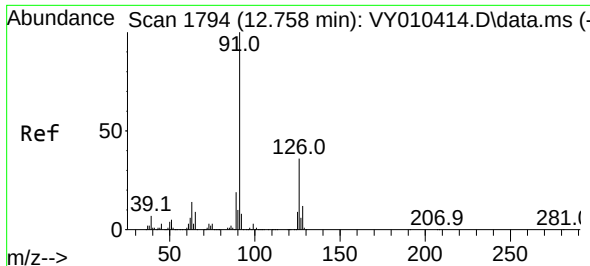
Tgt Ion	Ratio	Lower	Upper
156	100		
77	185.3	95.5	286.4
158	97.7	48.0	144.0



#78
n-propylbenzene
Concen: 5.495 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.3	33.9

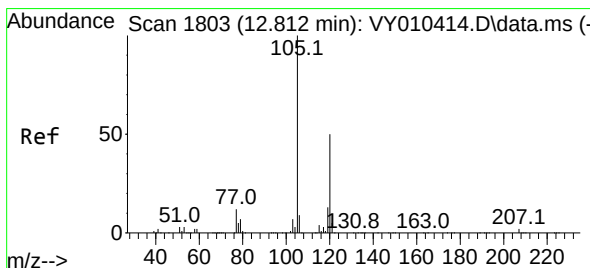
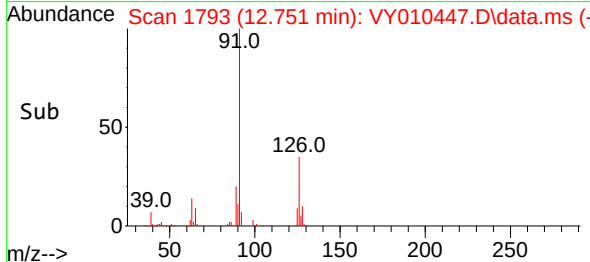
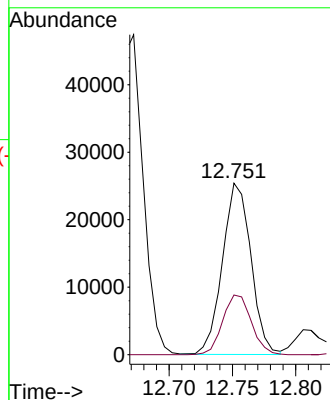
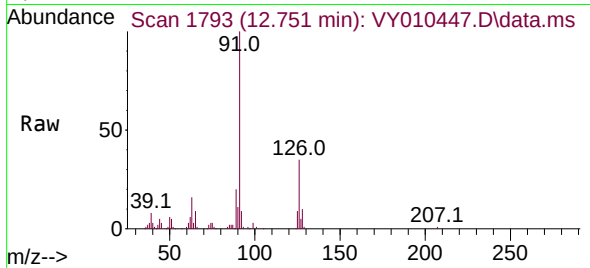




#79
2-Chlorotoluene
Concen: 5.511 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

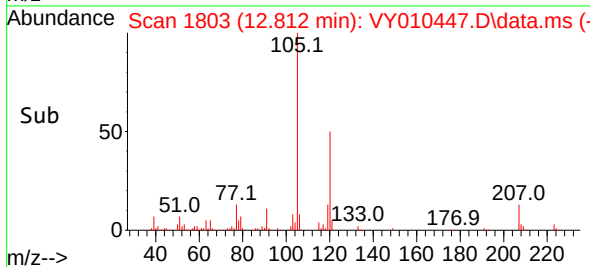
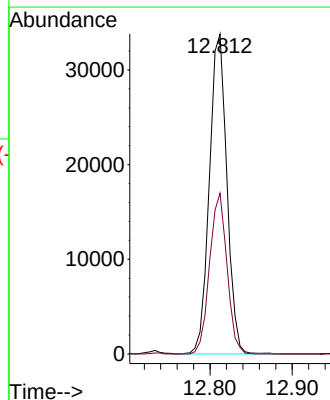
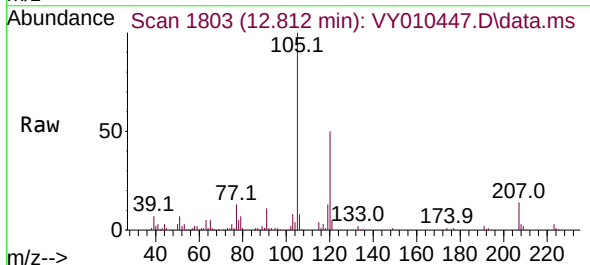
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

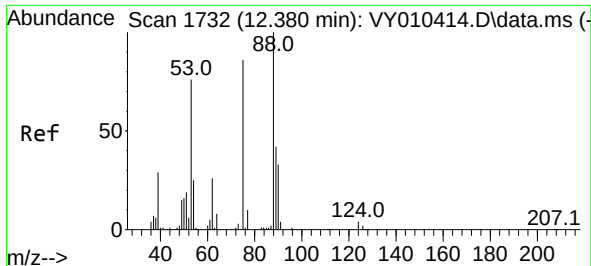
Tgt Ion: 91 Resp: 39834
Ion Ratio Lower Upper
91 100
126 34.9 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 5.451 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 105 Resp: 49972
Ion Ratio Lower Upper
105 100
120 49.7 24.4 73.4

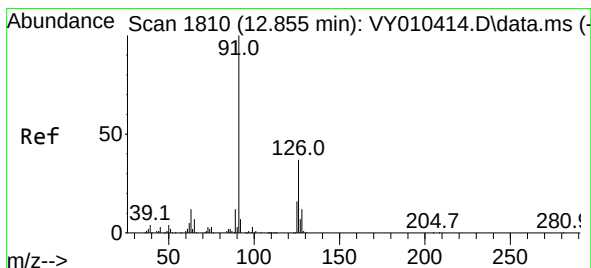
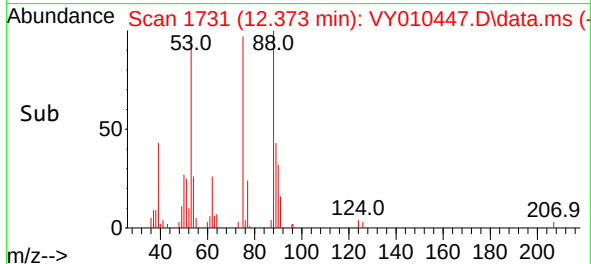
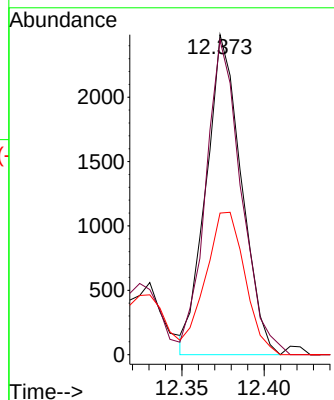
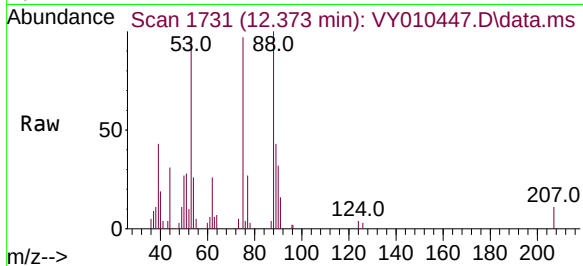




#81
trans-1,4-Dichloro-2-butene
Concen: 5.342 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

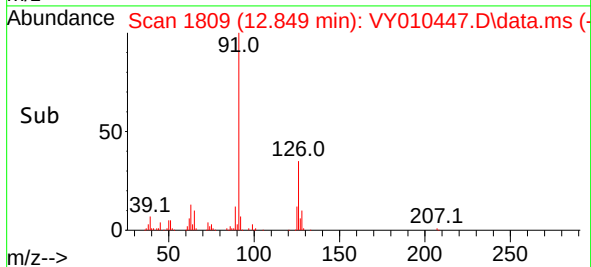
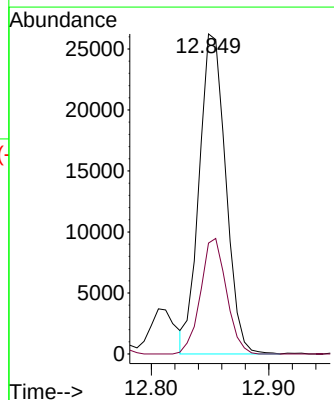
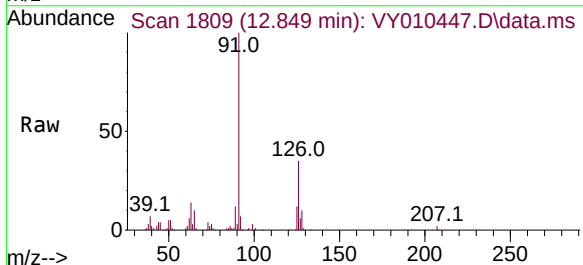
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

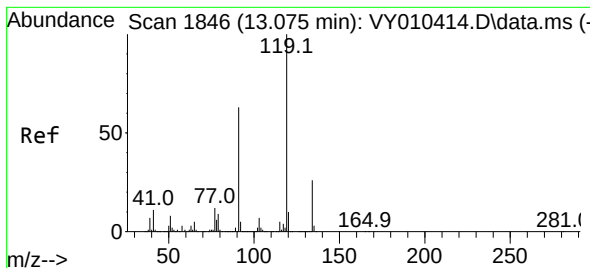
Tgt Ion: 75 Resp: 3698
Ion Ratio Lower Upper
75 100
53 99.2 85.3 127.9
89 49.8 37.0 55.4



#82
4-Chlorotoluene
Concen: 5.465 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 91 Resp: 41096
Ion Ratio Lower Upper
91 100
126 35.2 17.0 51.0





#83

tert-Butylbenzene

Concen: 5.339 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.001 min

Lab File: VY010447.D

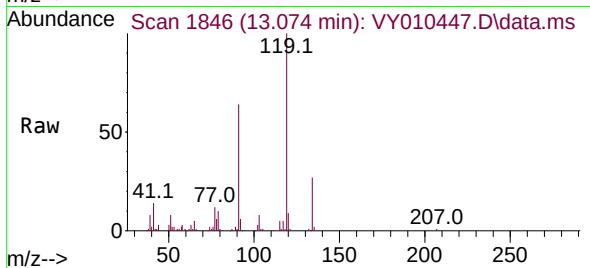
Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB



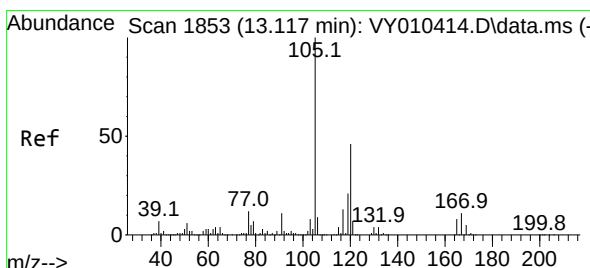
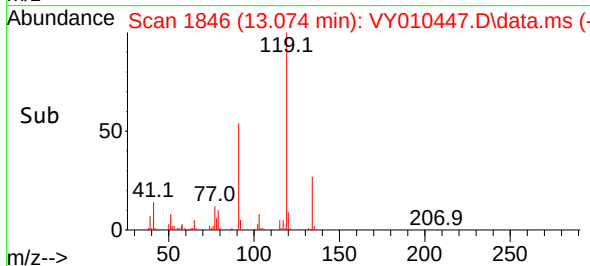
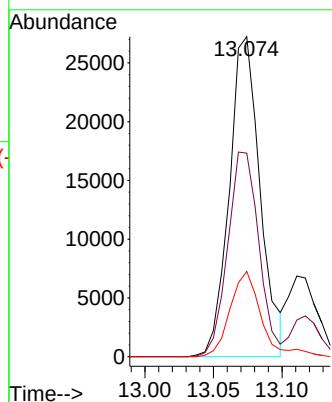
Tgt Ion:119 Resp: 42784

Ion Ratio Lower Upper

119 100

91 64.4 34.8 104.4

134 26.9 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 5.436 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY010447.D

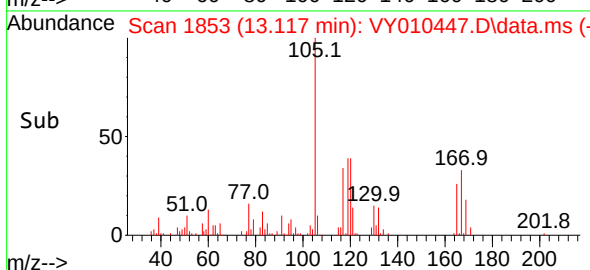
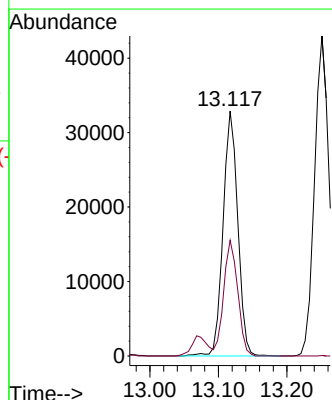
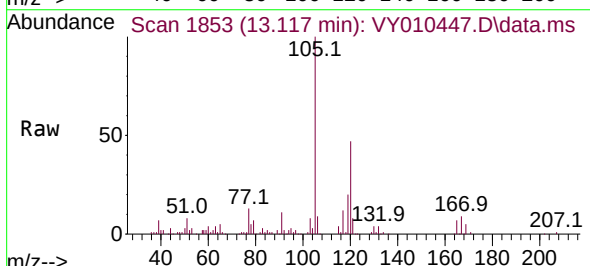
Acq: 12 Sep 2022 16:29

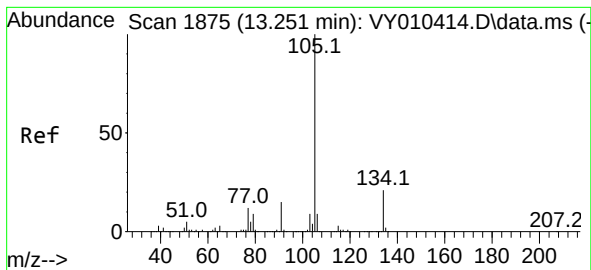
Tgt Ion:105 Resp: 48766

Ion Ratio Lower Upper

105 100

120 45.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 5.331 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

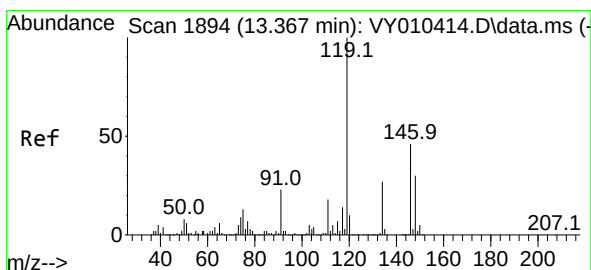
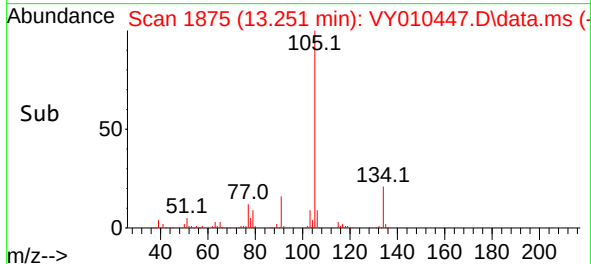
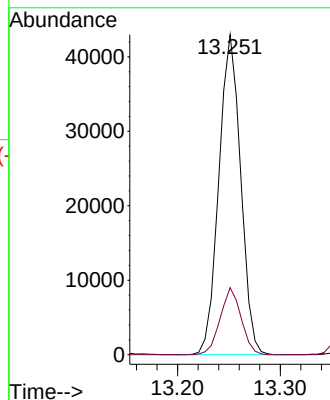
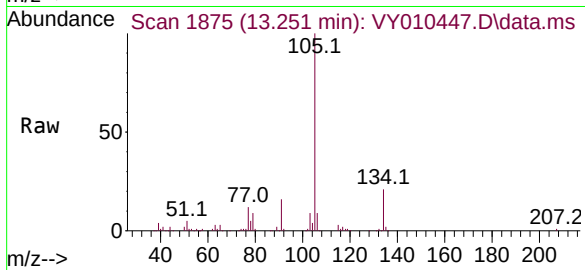
LOQ-SOIL-02-QT3-2022 5.0PPB

Tgt Ion:105 Resp: 63259

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4



#86

p-Isopropyltoluene

Concen: 5.061 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

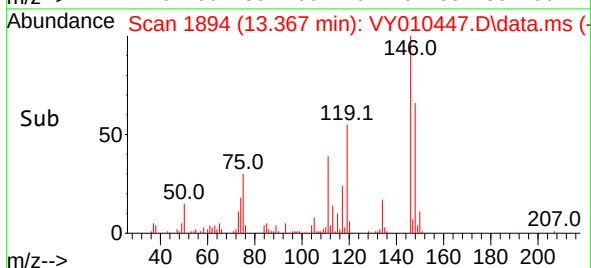
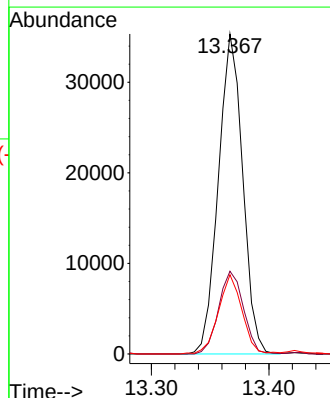
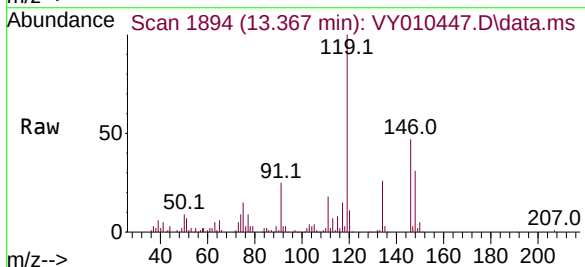
Tgt Ion:119 Resp: 50794

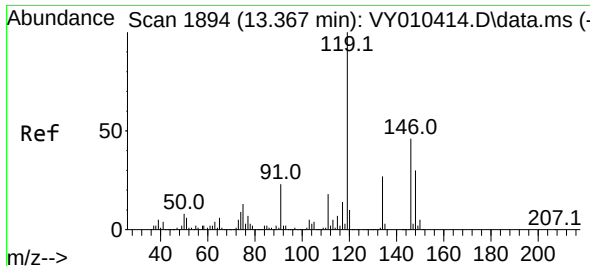
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.2 12.4 37.2

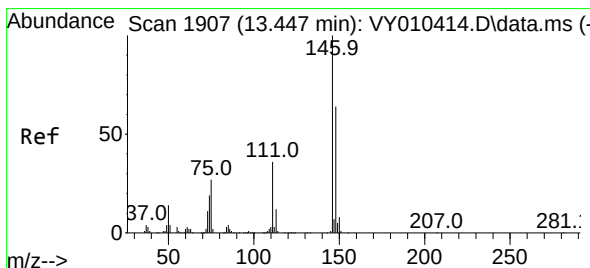
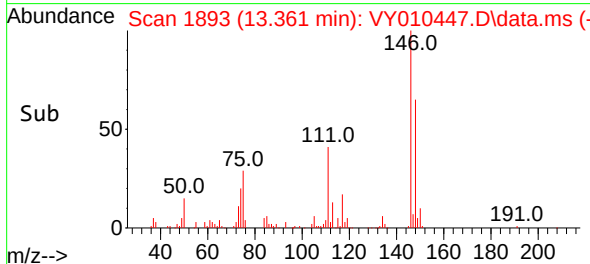
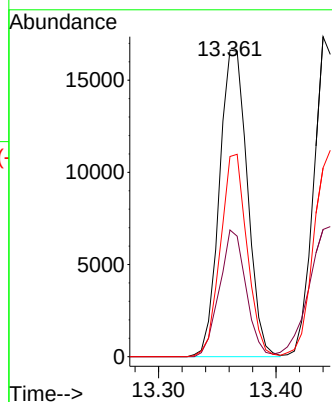
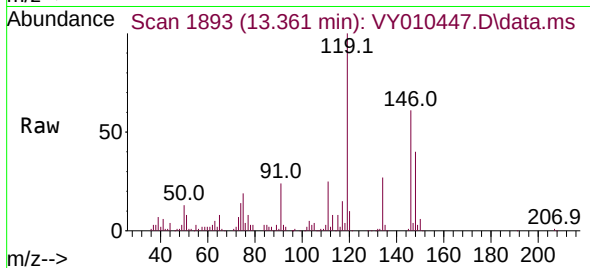




#87
1,3-Dichlorobenzene
Concen: 5.316 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

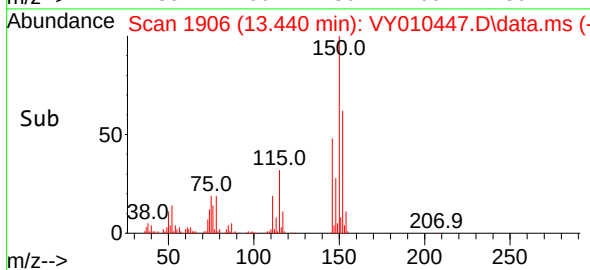
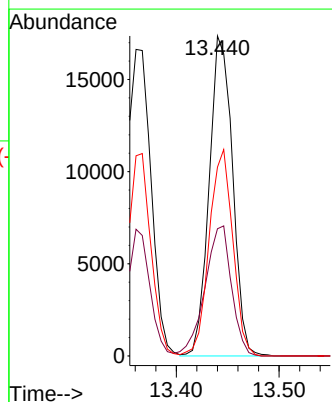
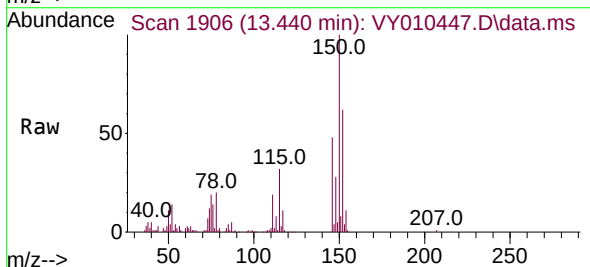
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2022 5.0PPB

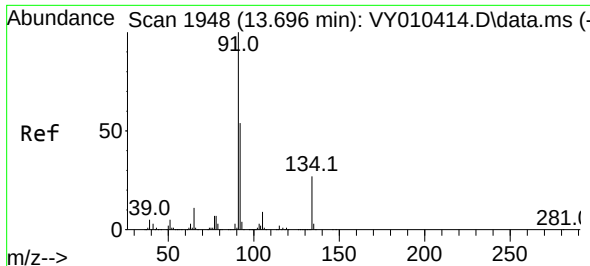
Tgt Ion:	146	Resp:	27485
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.5	58.5
148	62.9	31.6	95.0



#88
1,4-Dichlorobenzene
Concen: 5.345 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.007 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion:	146	Resp:	27363
Ion Ratio	Lower	Upper	
146	100		
111	46.4	19.3	57.8
148	65.3	32.6	97.8

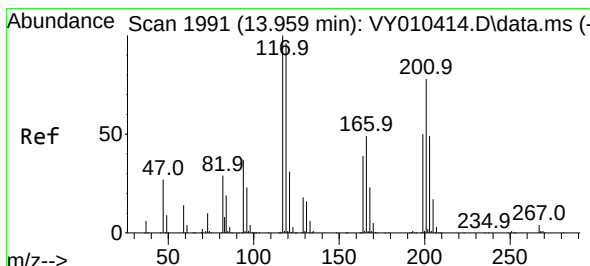
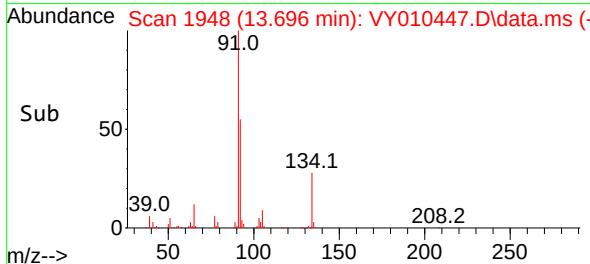
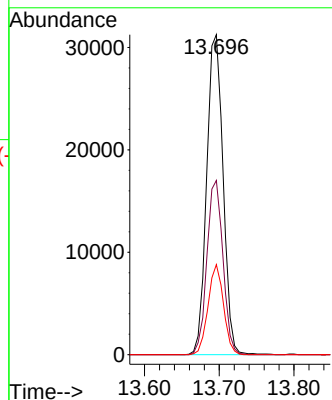
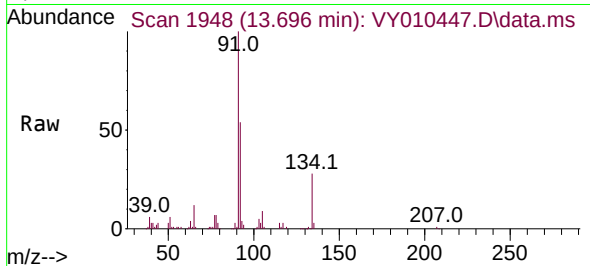




#89
n-Butylbenzene
Concen: 5.225 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

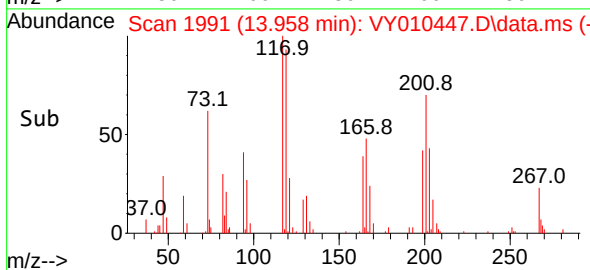
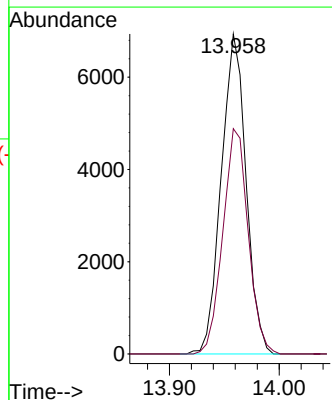
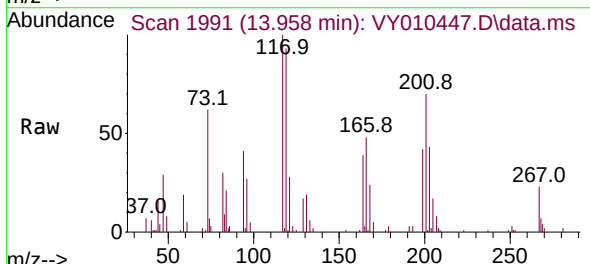
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2022 5.0PPB

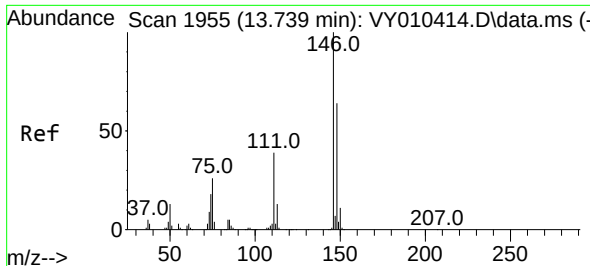
Tgt Ion: 91 Resp: 47600
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.9
134 26.5 13.0 38.9



#90
Hexachloroethane
Concen: 5.782 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.001 min
Lab File: VY010447.D
Acq: 12 Sep 2022 16:29

Tgt Ion: 117 Resp: 10896
Ion Ratio Lower Upper
117 100
201 72.0 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 5.326 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

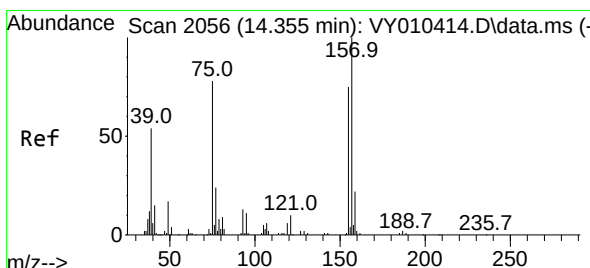
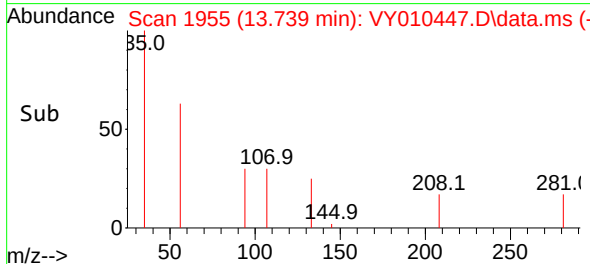
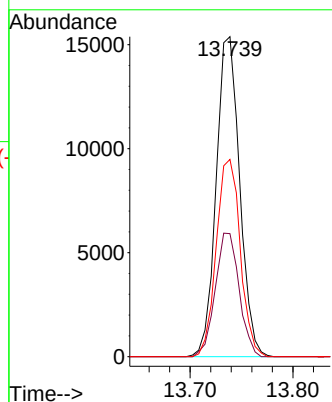
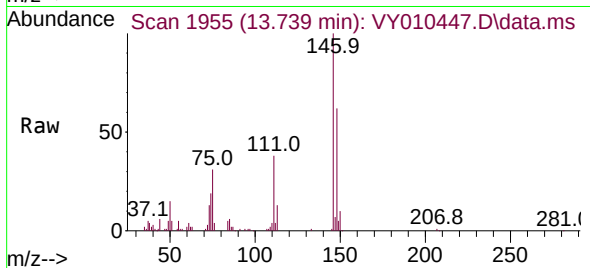
Tgt Ion:146 Resp: 24388

Ion Ratio Lower Upper

146 100

111 39.3 20.3 60.9

148 63.0 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.660 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

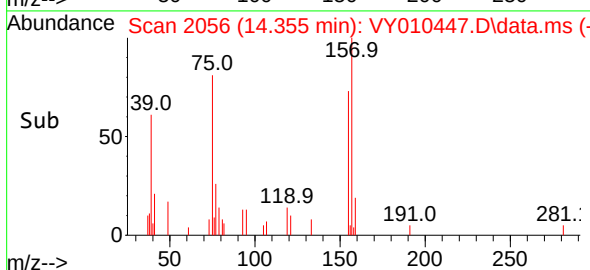
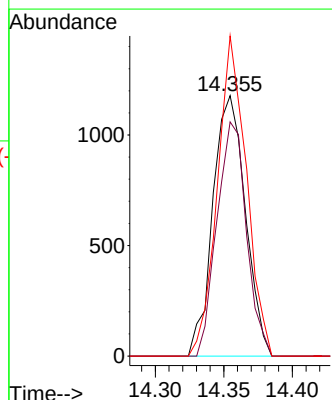
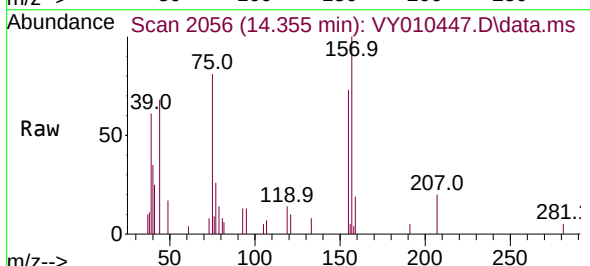
Tgt Ion: 75 Resp: 1942

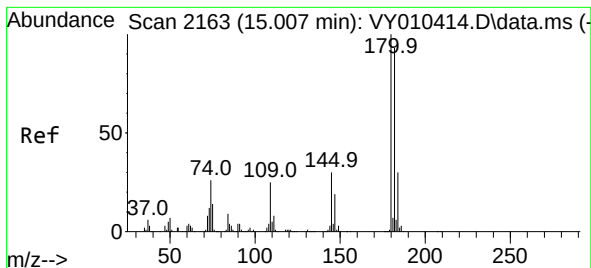
Ion Ratio Lower Upper

75 100

155 81.6 38.0 113.9

157 109.4 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 4.882 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY010447.D

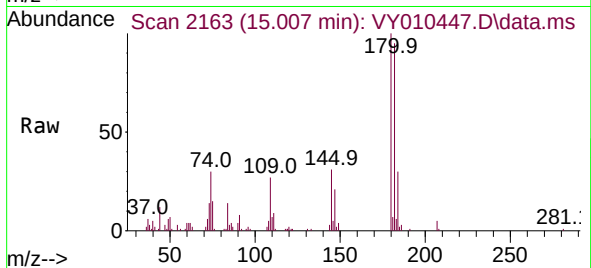
Acq: 12 Sep 2022 16:29

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB



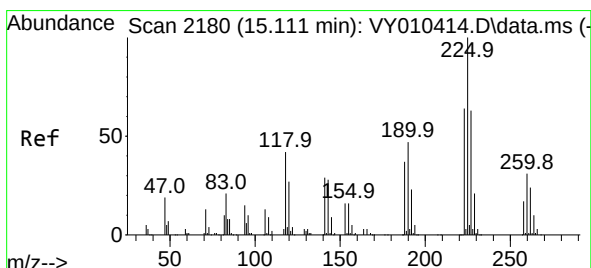
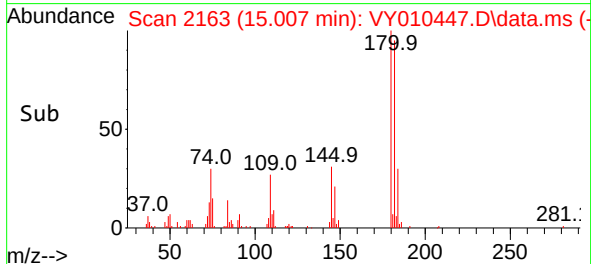
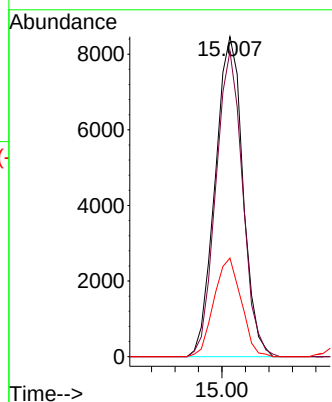
Tgt Ion:180 Resp: 13885

Ion Ratio Lower Upper

180 100

182 92.0 47.3 141.9

145 30.1 14.6 43.8



#94

Hexachlorobutadiene

Concen: 5.119 ug/l

RT: 15.110 min Scan# 2180

Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

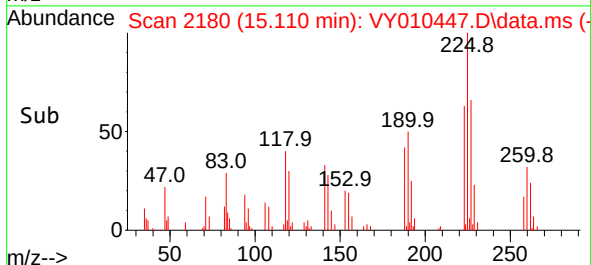
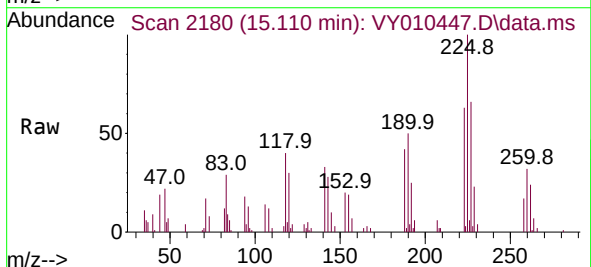
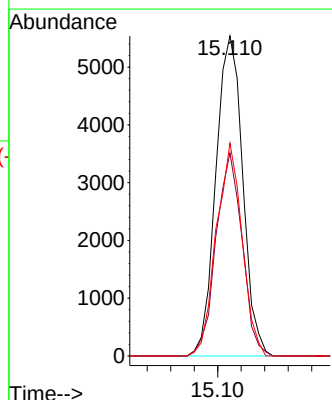
Tgt Ion:225 Resp: 8784

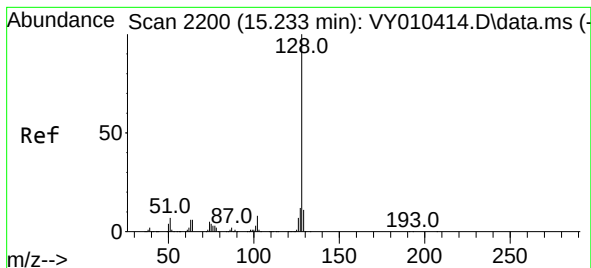
Ion Ratio Lower Upper

225 100

223 61.5 30.8 92.3

227 63.8 31.6 94.7





#95

Naphthalene

Concen: 4.536 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

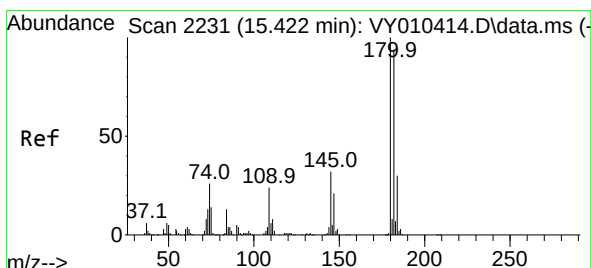
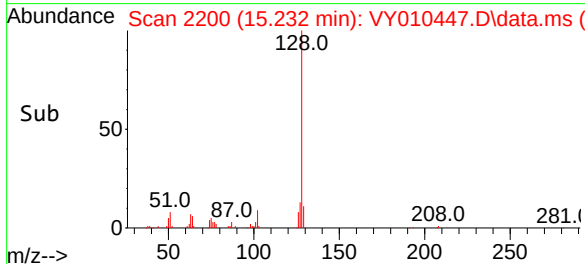
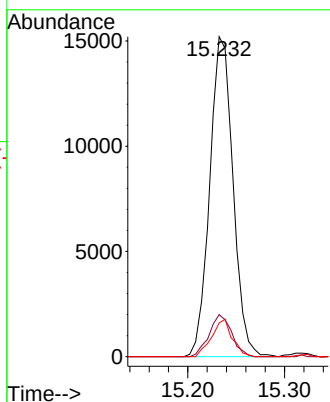
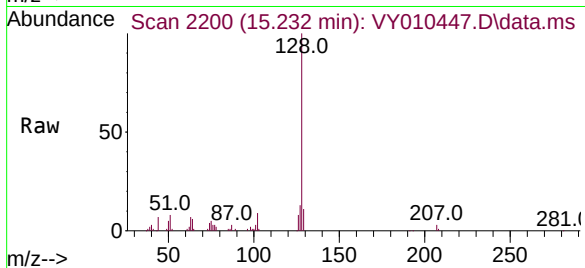
Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2022 5.0PPB

Tgt Ion:128	Resp:	25444
Ion	Ratio	Lower Upper
128	100	
127	12.7	11.0 16.4
129	10.3	8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 4.650 ug/l

RT: 15.421 min Scan# 2231

Delta R.T. -0.001 min

Lab File: VY010447.D

Acq: 12 Sep 2022 16:29

Tgt Ion:180	Resp:	11544
Ion	Ratio	Lower Upper
180	100	
182	92.9	47.3 141.9
145	34.8	15.3 45.9

