

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052021\
 Data File : VY004855.D
 Acq On : 20 May 2021 13:06
 Operator : SY/MD
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
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 5/24/2021 3:49:20 PM

Quant Time: May 21 04:47:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 21 04:37:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	298693	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	275252	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	128743	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	136881	28.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.48%
7) Chloroethane-d5	2.765	69	99123	27.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.56%
11) 1,1-Dichloroethene-d2	3.857	63	180280	21.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.12%
21) 2-Butanone-d5	6.899	46	114871	56.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.78%
24) Chloroform-d	7.484	84	207880	27.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.52%
26) 1,2-Dichloroethane-d4	8.149	65	132394	27.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.64%
32) Benzene-d6	8.112	84	456938	27.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.88%
36) 1,2-Dichloropropane-d6	9.124	67	147163	27.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.04%
41) Toluene-d8	10.179	98	412462	27.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.28%
43) trans-1,3-Dichloroprop...	10.441	79	69387	27.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.08%
47) 2-Hexanone-d5	10.788	63	80733	55.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.52%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	128800	27.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.28%
66) 1,2-Dichlorobenzene-d4	13.727	152	126698	27.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.92%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4223	1.06	ug/L	96
3) Chloromethane	2.119	50	5633	1.15	ug/L	95
5) Vinyl chloride	2.259	62	6295	1.21	ug/L #	72
6) Bromomethane	2.662	94	2364	1.15	ug/L	98
8) Chloroethane	2.796	64	3167	1.04	ug/L	96
9) Trichlorofluoromethane	3.131	101	6732	1.01	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	5549m	1.40	ug/L	
12) 1,1-Dichloroethene	3.875	96	4982	1.35	ug/L #	1
13) Acetone	3.954	43	4539	3.80	ug/L	78
14) Carbon disulfide	4.204	76	11964	1.01	ug/L	99
15) Methyl Acetate	4.485	43	3448	1.04	ug/L #	77
16) Methylene chloride	4.722	84	20264	3.95	ug/L	95
17) trans-1,2-Dichloroethene	5.228	96	3563	0.89	ug/L	91
18) Methyl tert-butyl Ether	5.222	73	10611m	0.92	ug/L	
19) 1,1-Dichloroethane	6.021	63	7278	0.95	ug/L	93
20) cis-1,2-Dichloroethene	6.990	96	4001	0.93	ug/L	91
22) 2-Butanone	6.996	43	3921	1.90	ug/L	98
23) Bromochloromethane	7.338	128	2033	1.00	ug/L	83
25) Chloroform	7.514	83	13460	1.72	ug/L	85

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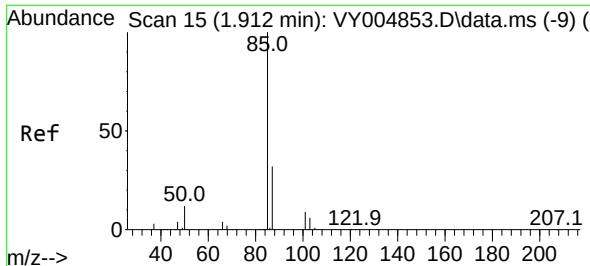
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	5590	1.03	ug/L	96
29) Cyclohexane	7.789	56	6334	0.89	ug/L #	93
30) 1,1,1-Trichloroethane	7.703	97	6327	0.98	ug/L	97
31) Carbon tetrachloride	7.899	117	4154	0.81	ug/L	99
33) Benzene	8.167	78	16257	0.96	ug/L	100
34) Trichloroethene	8.941	95	4130	0.96	ug/L	98
35) Methylcyclohexane	9.185	83	6482	0.90	ug/L	92
37) 1,2-Dichloropropane	9.215	63	4592	1.01	ug/L #	94
38) Bromodichloromethane	9.496	83	5352	0.96	ug/L	86
39) cis-1,3-Dichloropropene	9.935	75	6353	0.90	ug/L	94
40) 4-Methyl-2-pentanone	10.075	43	10254	2.12	ug/L	98
42) Toluene	10.246	91	23662	1.32	ug/L	98
44) trans-1,3-Dichloropropene	10.471	75	9986	1.53	ug/L	96
45) 1,1,2-Trichloroethane	10.642	97	3323	0.94	ug/L	87
46) Tetrachloroethene	10.721	164	3427	1.06	ug/L	85
48) 2-Hexanone	10.837	43	6622	2.03	ug/L	96
49) Dibromochloromethane	10.989	129	3702	0.93	ug/L	95
50) 1,2-Dibromoethane	11.087	107	3224	0.95	ug/L #	89
51) Chlorobenzene	11.514	112	10785	0.97	ug/L #	89
52) Ethylbenzene	11.593	91	18752	0.97	ug/L	95
53) m,p-Xylene	11.703	106	6890	0.96	ug/L	94
54) o-Xylene	12.032	106	5838	0.85	ug/L	94
55) Styrene	12.044	104	9621	0.82	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.587	83	4978	1.16	ug/L #	95
59) Bromoform	12.209	173	2239	0.91	ug/L #	95
60) Isopropylbenzene	12.331	105	15717	0.87	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	3830	1.09	ug/L	93
62) 1,3,5-Trimethylbenzene	12.812	105	12900	0.89	ug/L	98
63) 1,2,4-Trimethylbenzene	13.123	105	12757	0.88	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	8056	1.04	ug/L	90
65) 1,4-Dichlorobenzene	13.446	146	7838	1.00	ug/L	95
67) 1,2-Dichlorobenzene	13.739	146	7168	1.00	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	14.361	75	1136	1.43	ug/L	91
69) 1,3,5-Trichlorobenzene	14.501	180	5364	1.03	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	4498	1.04	ug/L	92
71) Naphthalene	15.233	128	9645	0.88	ug/L	97
72) 1,2,3-Trichlorobenzene	15.422	180	3720	0.94	ug/L	98

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



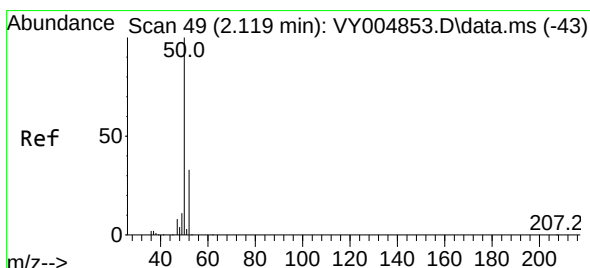
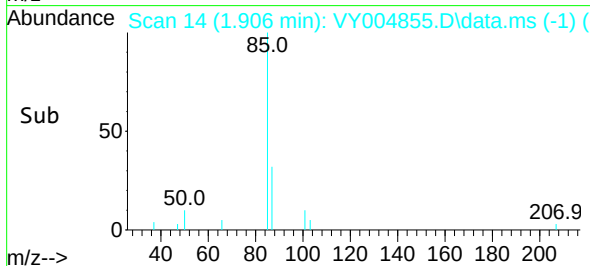
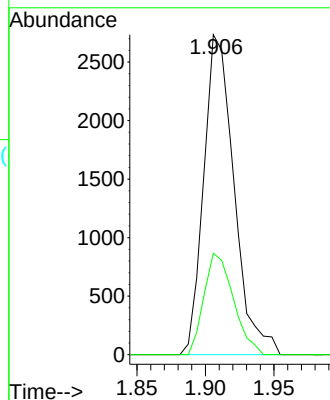
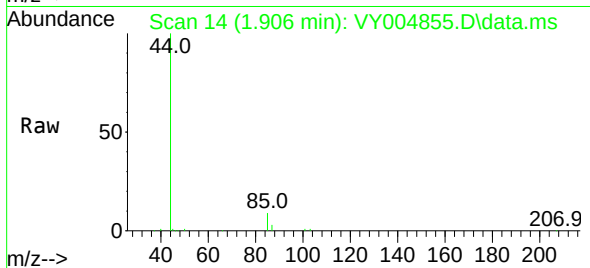
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Dichlorodifluoromethane
Concen: 1.06 ug/L
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 85 Resp: 4223
Ion Ratio Lower Upper
85 100
87 30.7 26.2 39.2

Instrument :
MSVOA_Y
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MDL-SOIL-QT3-2021-05

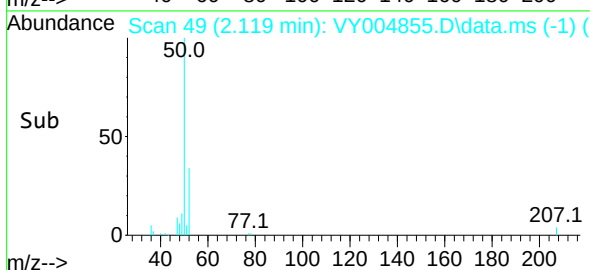
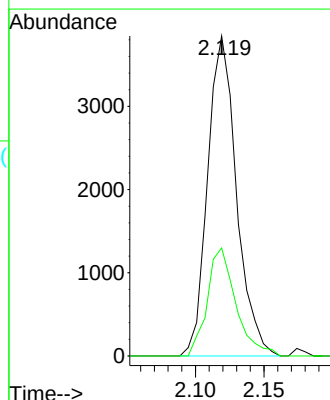
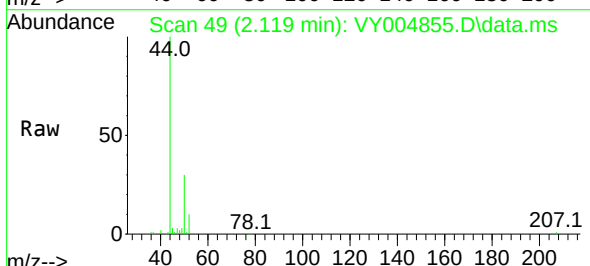
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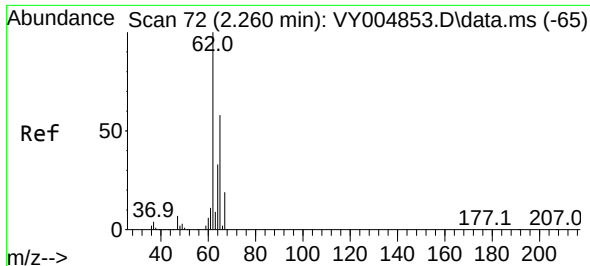
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#3
Chloromethane
Concen: 1.15 ug/L
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 50 Resp: 5633
Ion Ratio Lower Upper
50 100
52 33.8 21.8 40.4





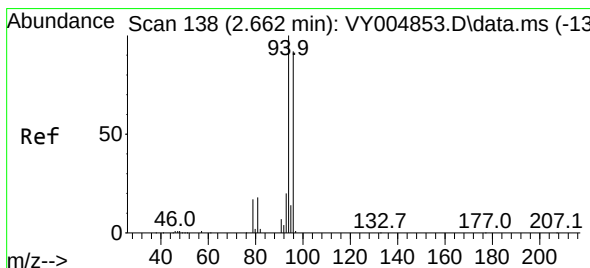
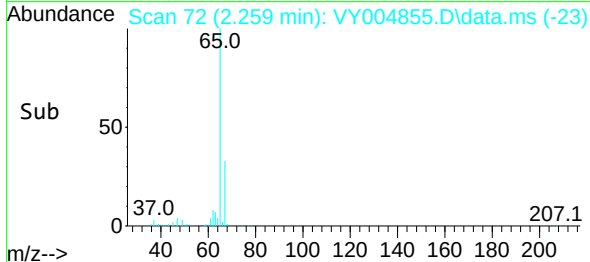
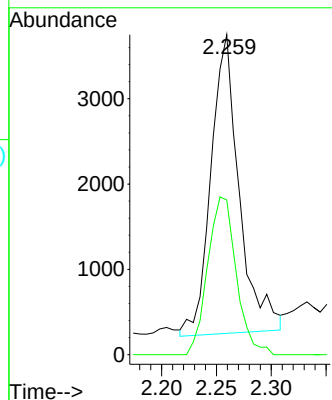
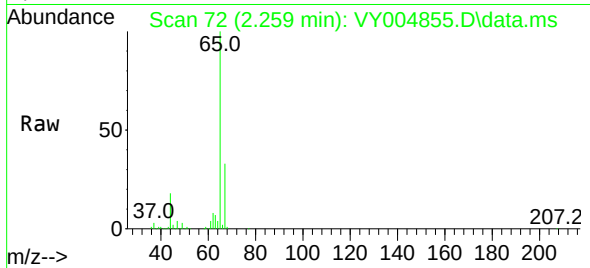
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 Vinyl chloride
 Concen: 1.21 ug/L
 RT: 2.259 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VY004855.D
 Acq: 20 May 2021 13:06

Tgt Ion: 62 Resp: 6295
 Ion Ratio Lower Upper
 62 100
 64 48.3 22.8 42.4#

Instrument :
 MSVOA_Y
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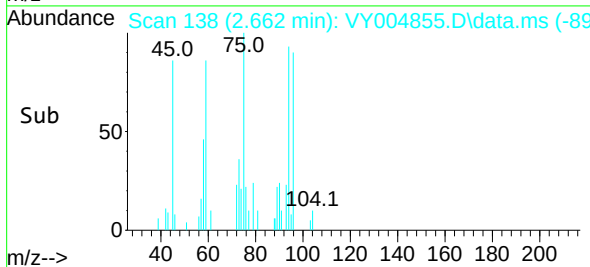
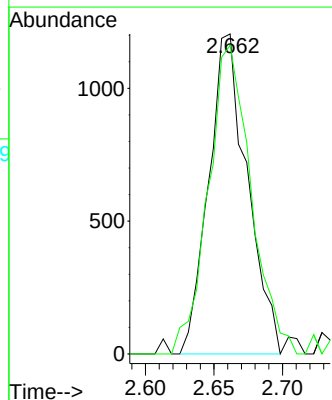
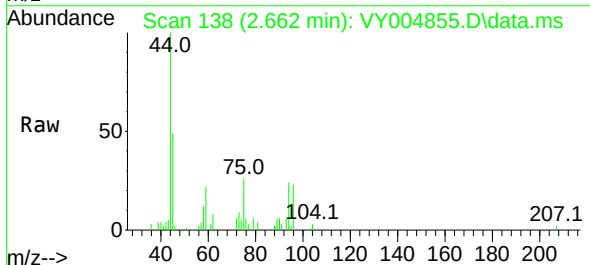
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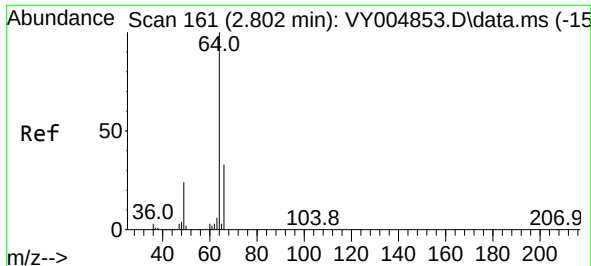
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#6
 Bromomethane
 Concen: 1.15 ug/L
 RT: 2.662 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VY004855.D
 Acq: 20 May 2021 13:06

Tgt Ion: 94 Resp: 2364
 Ion Ratio Lower Upper
 94 100
 96 96.4 65.9 122.5





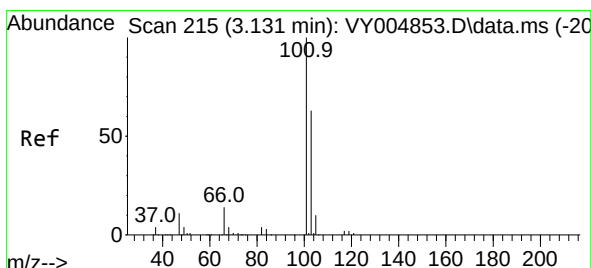
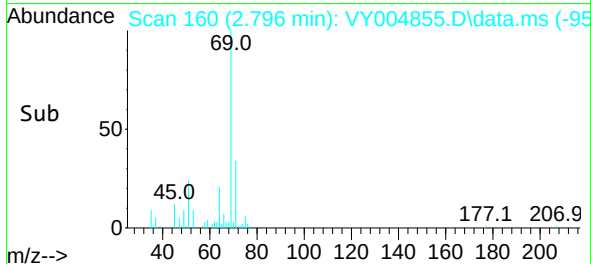
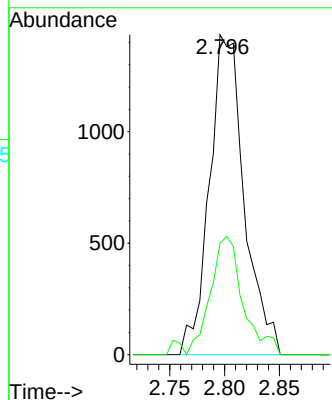
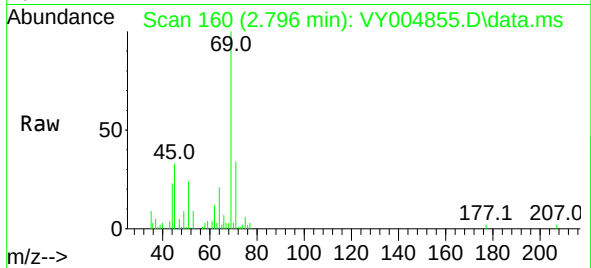
#8
Chloroethane
Concen: 1.04 ug/L
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 64 Resp: 3167
Ion Ratio Lower Upper
64 100
66 34.8 22.7 42.3

Instrument :
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ClientSampleId :
MDL-SOIL-QT3-2021-05

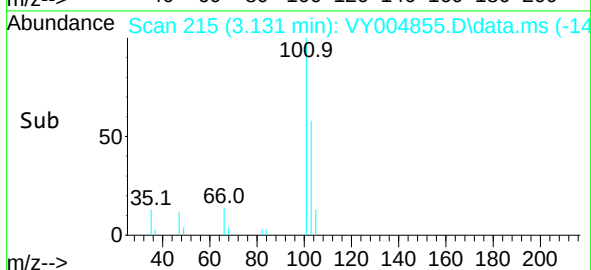
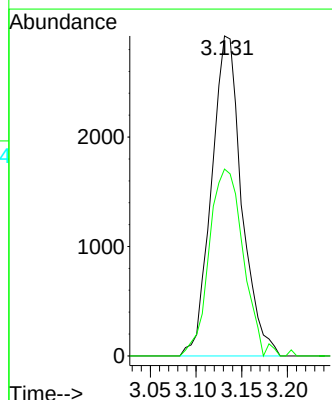
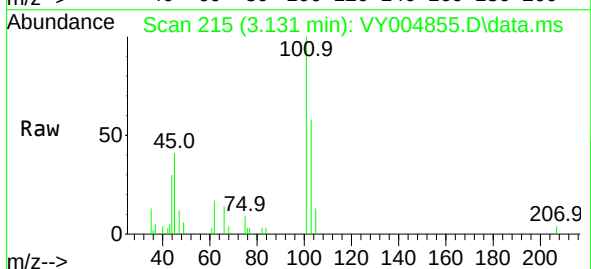
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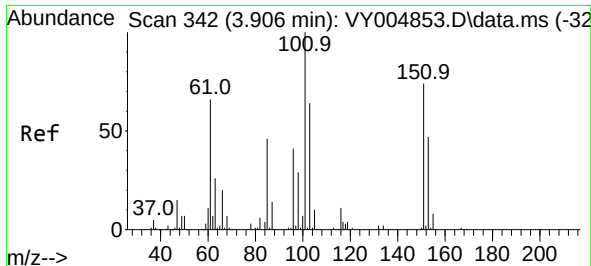
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#9
Trichlorofluoromethane
Concen: 1.01 ug/L
RT: 3.131 min Scan# 215
Delta R.T. 0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 101 Resp: 6732
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2





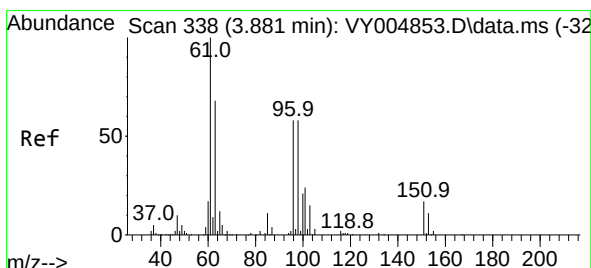
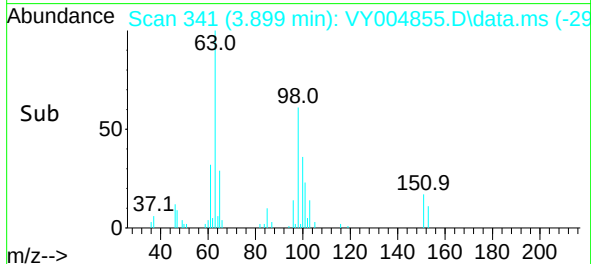
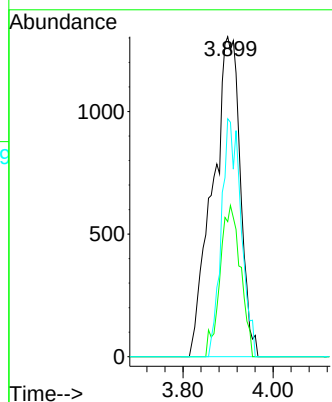
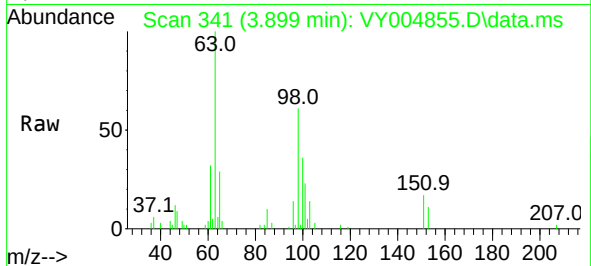
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.40 ug/L m
RT: 3.899 min Scan# 341
Delta R.T. -0.007 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 101 Resp: 5549
Ion Ratio Lower Upper
101 100
85 33.7 36.6 54.8#
151 32.5 59.0 88.4#

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MDL-SOIL-QT3-2021-05

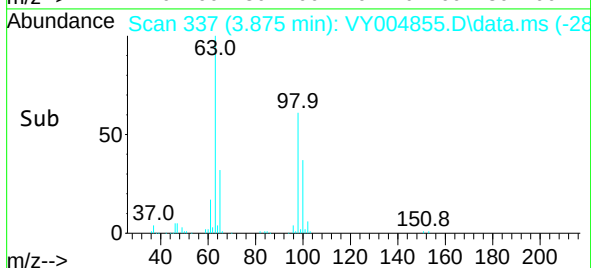
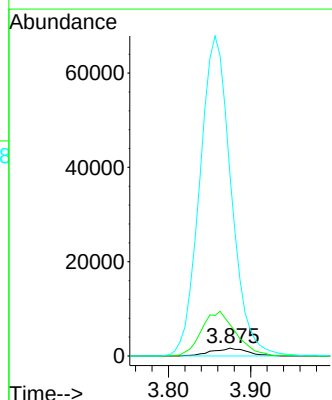
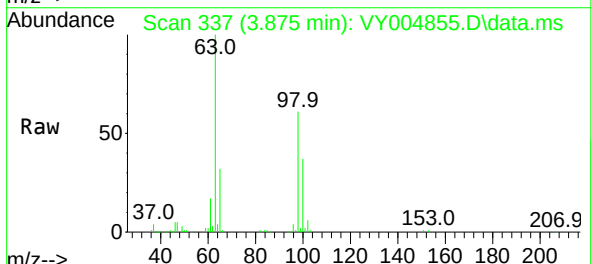
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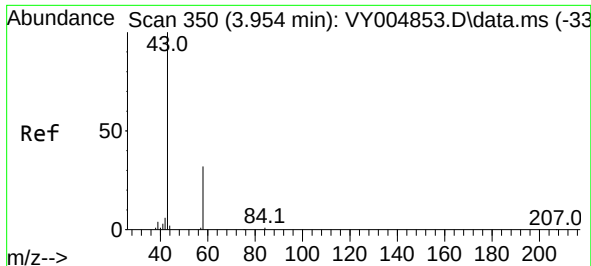
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5/24/2021 3:49:20 PM



#12
1,1-Dichloroethene
Concen: 1.35 ug/L
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 96 Resp: 4982
Ion Ratio Lower Upper
96 100
61 397.7 121.2 225.2#
63 2281.0 86.9 161.3#





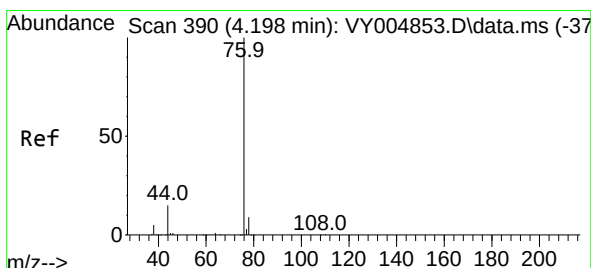
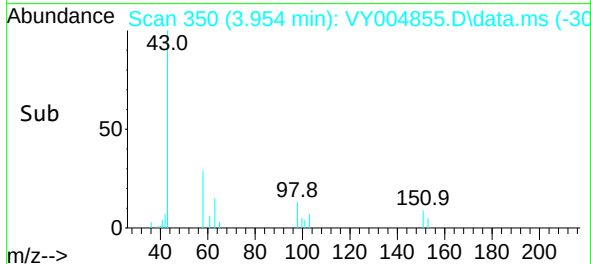
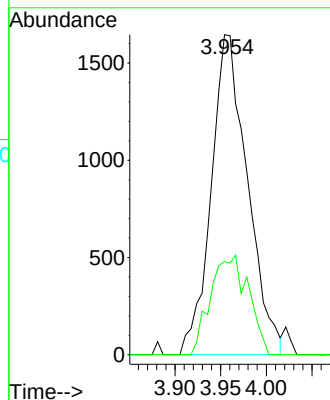
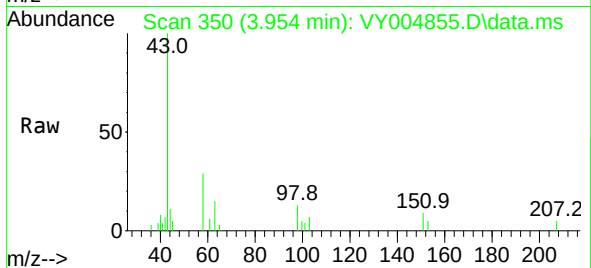
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Acetone
Concen: 3.80 ug/L
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 43 Resp: 4539
Ion Ratio Lower Upper
43 100
58 18.3 0.0 61.0

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

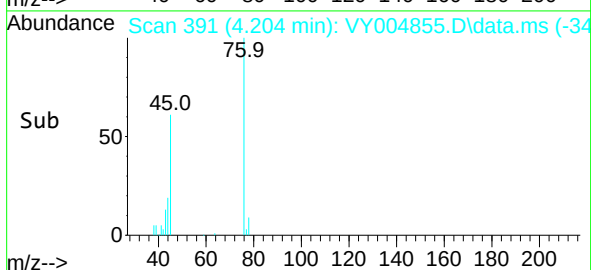
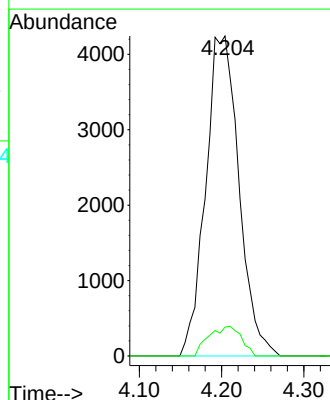
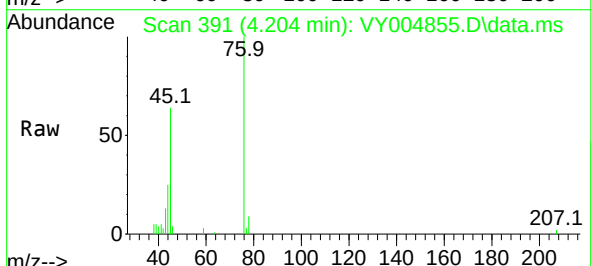
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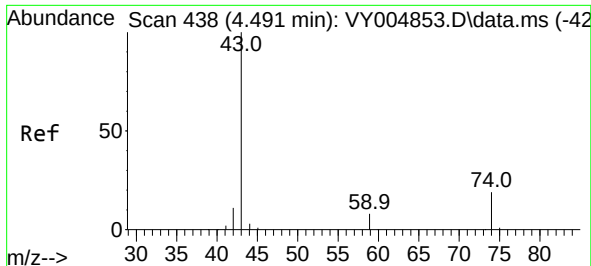
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5/24/2021 3:49:20 PM



#14
Carbon disulfide
Concen: 1.01 ug/L
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 76 Resp: 11964
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2





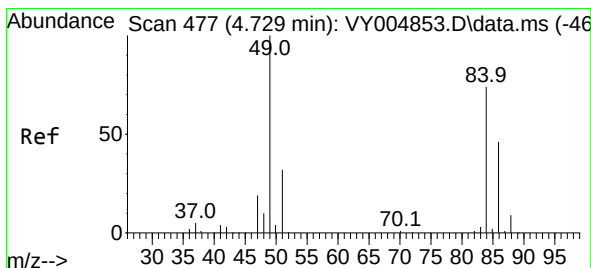
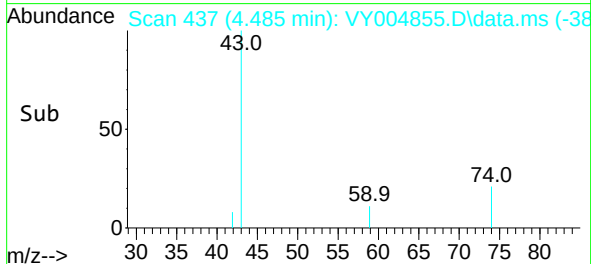
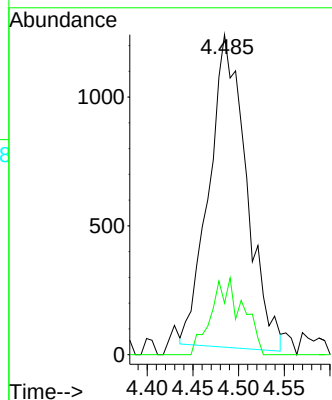
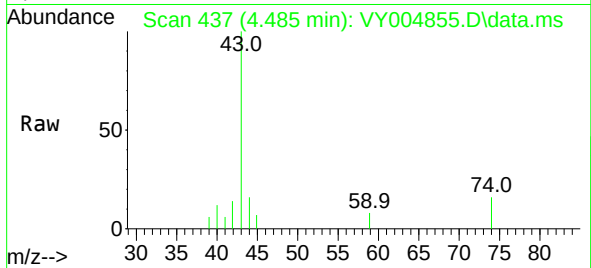
#15
Methyl Acetate
Concen: 1.04 ug/L
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 43 Resp: 3448
Ion Ratio Lower Upper
43 100
74 9.9 16.7 25.1#

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

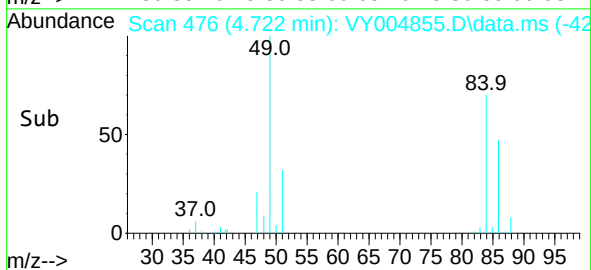
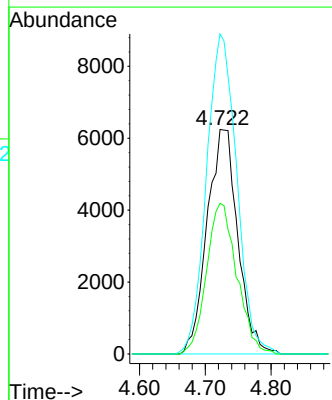
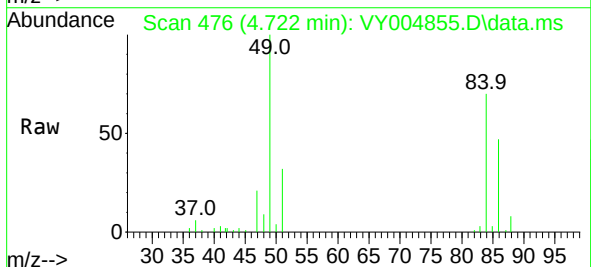
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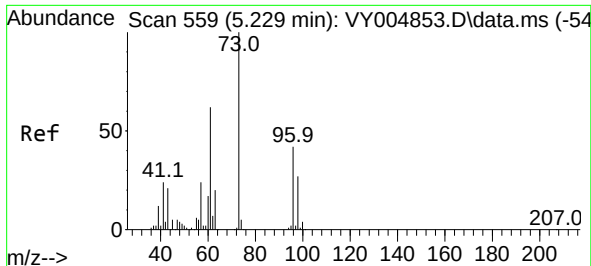
MMDadoda
5/24/2021 3:49:20 PM



#16
Methylene chloride
Concen: 3.95 ug/L
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

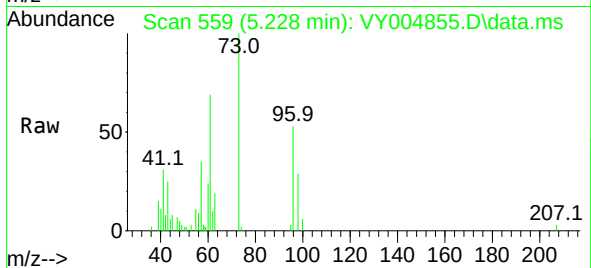
Tgt Ion: 84 Resp: 20264
Ion Ratio Lower Upper
84 100
86 67.0 43.2 80.2
49 142.5 96.0 178.4





#17
trans-1,2-Dichloroethene
Concen: 0.89 ug/L
RT: 5.228 min Scan# 559
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

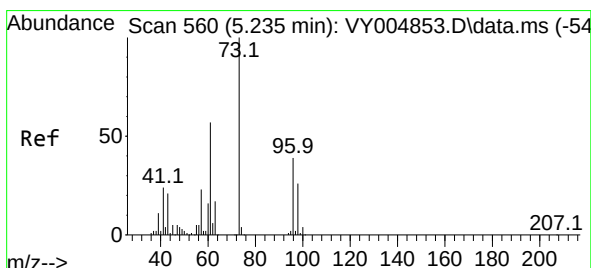
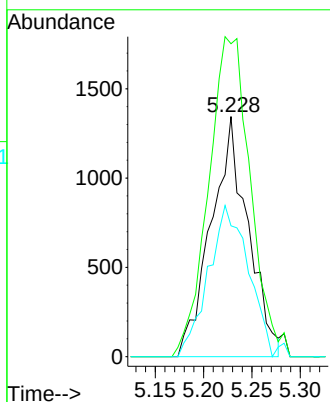
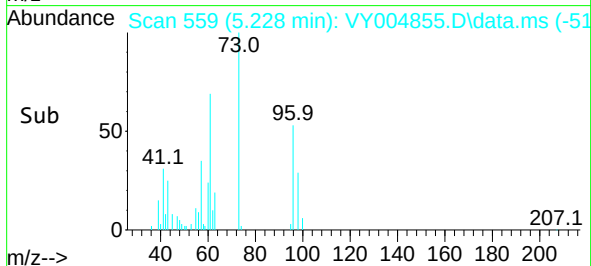
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



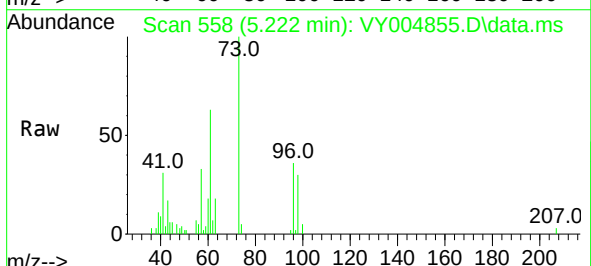
Tgt Ion: 96 Resp: 3563
Ion Ratio Lower Upper
96 100
61 130.3 97.6 181.2
98 54.5 44.8 83.2

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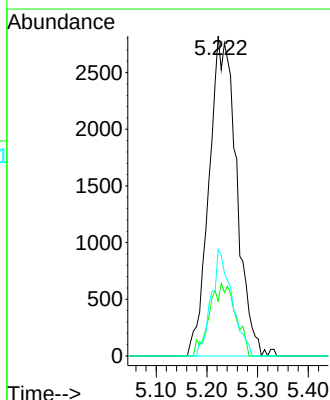
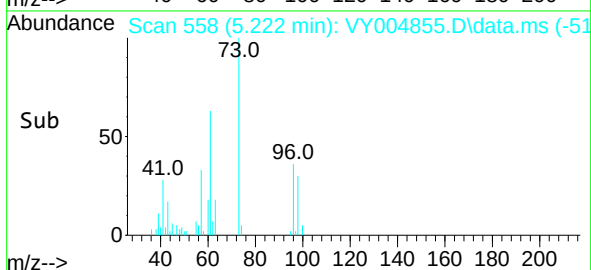
MMDadoda
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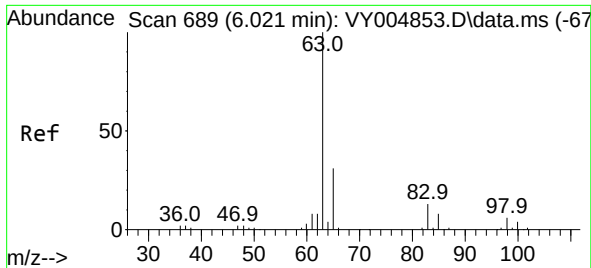


#18
Methyl tert-butyl Ether
Concen: 0.92 ug/L m
RT: 5.222 min Scan# 558
Delta R.T. -0.012 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



Tgt Ion: 73 Resp: 10611
Ion Ratio Lower Upper
73 100
43 5.9 16.8 25.2#
57 25.1 18.7 28.1





#19

1,1-Dichloroethane

Concen: 0.95 ug/L

RT: 6.021 min Scan# 689

Delta R.T. -0.000 min

Lab File: VY004855.D

Acq: 20 May 2021 13:06

Tgt Ion:	63	Resp:	7278
Ion	Ratio	Lower	Upper
63	100		
65	37.3	22.4	41.6
83	12.9	9.5	17.7

Instrument :

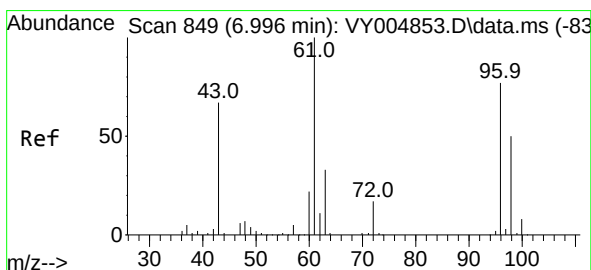
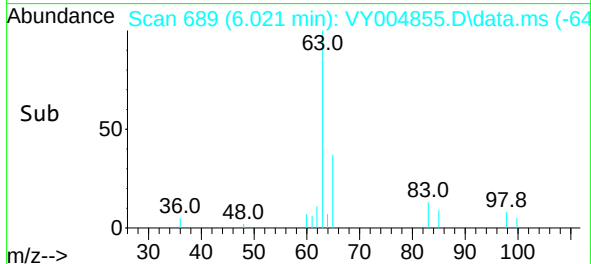
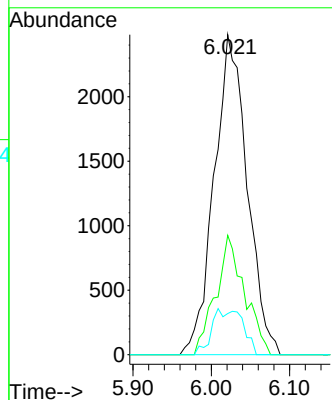
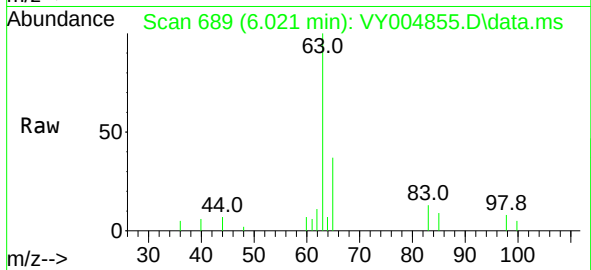
MSVOA_Y

ClientSampleId :

MDL-SOIL-QT3-2021-05

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5/24/2021 3:49:20 PM



#20

cis-1,2-Dichloroethene

Concen: 0.93 ug/L

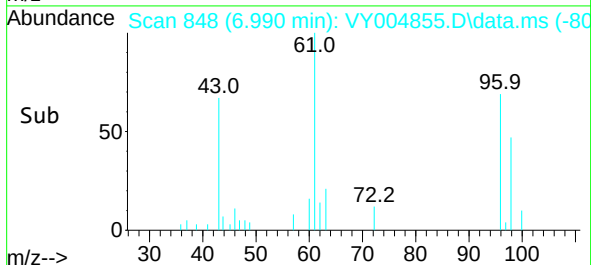
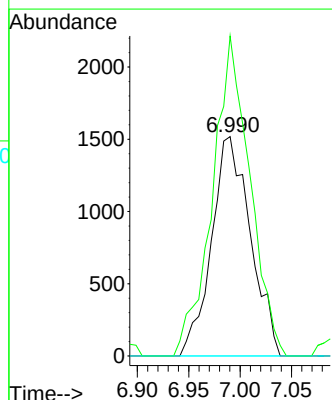
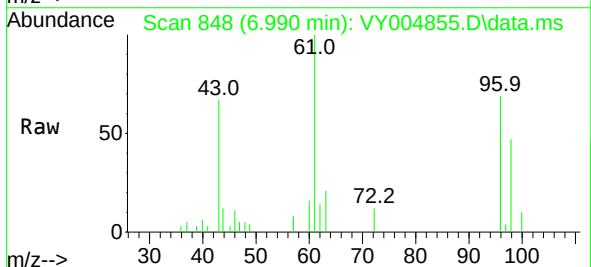
RT: 6.990 min Scan# 848

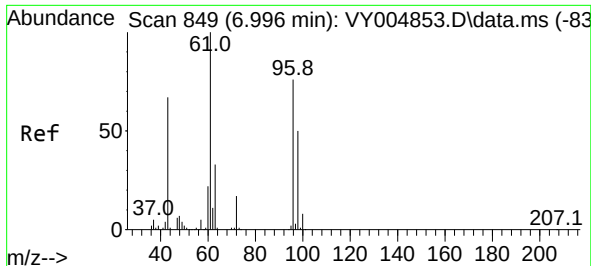
Delta R.T. -0.006 min

Lab File: VY004855.D

Acq: 20 May 2021 13:06

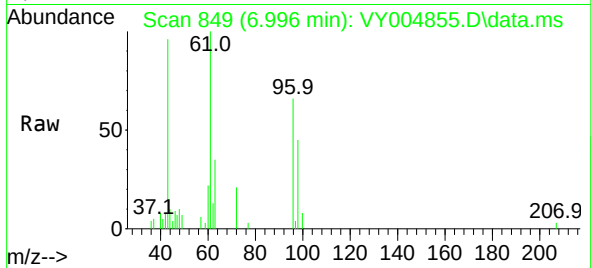
Tgt Ion:	96	Resp:	4001
Ion	Ratio	Lower	Upper
96	100		
61	145.8	94.8	176.2
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 1.90 ug/L
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

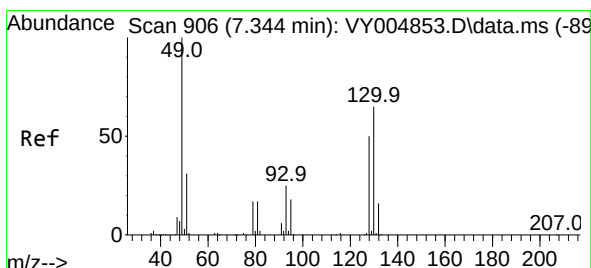
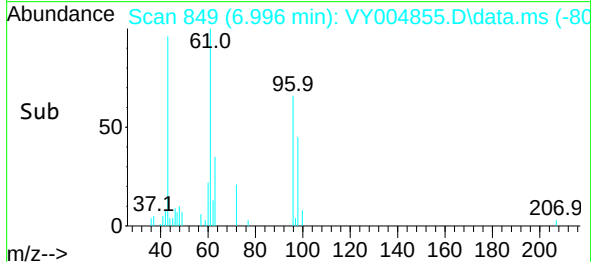
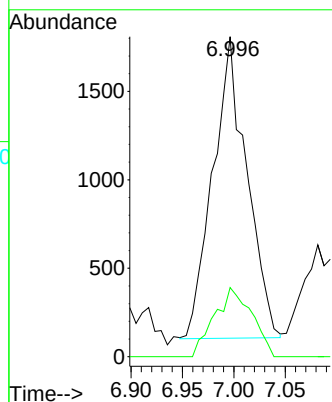
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



Tgt Ion: 43 Resp: 3921
Ion Ratio Lower Upper
43 100
72 25.2 12.2 36.6

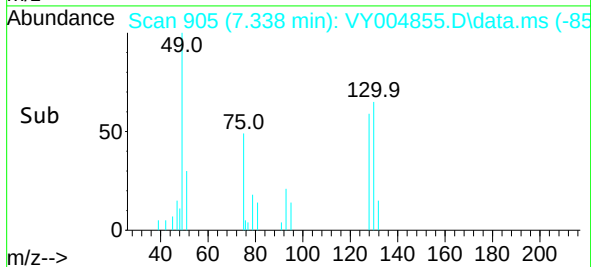
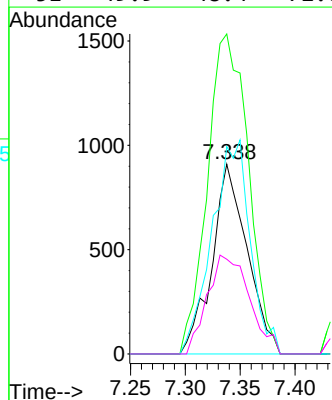
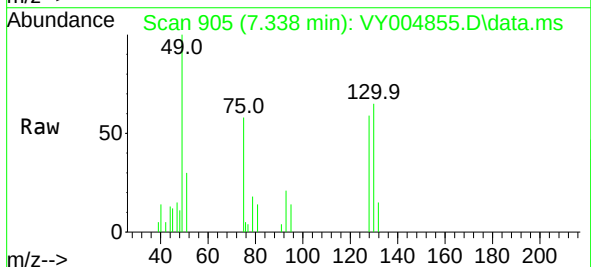
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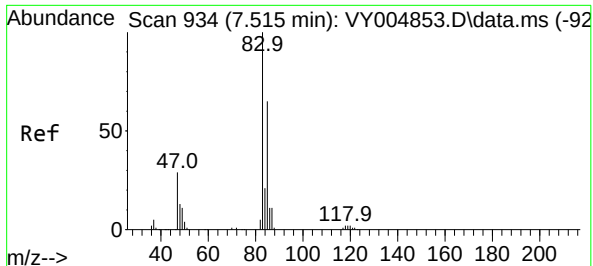
MMDadoda
5/24/2021 3:49:20 PM



#23
Bromochloromethane
Concen: 1.00 ug/L
RT: 7.338 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 128 Resp: 2033
Ion Ratio Lower Upper
128 100
49 168.6 138.9 258.1
130 109.2 88.3 164.1
51 49.9 48.4 72.6





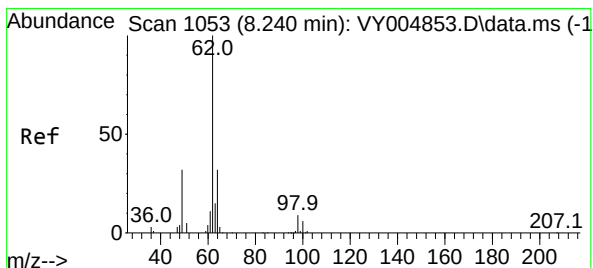
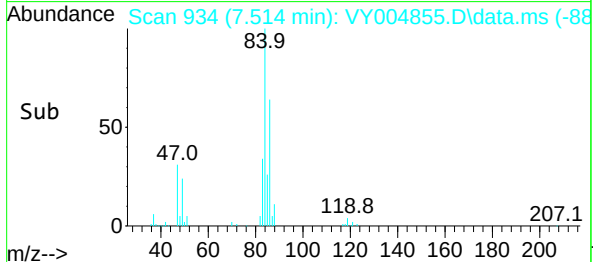
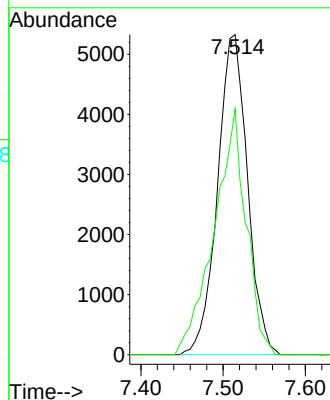
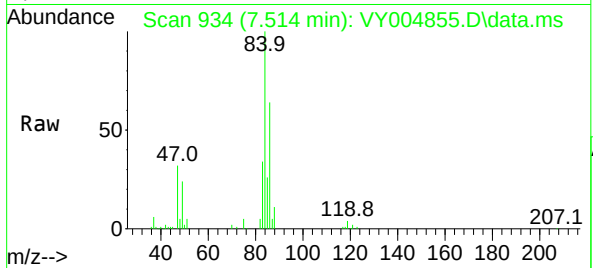
#25
Chloroform
Concen: 1.72 ug/L
RT: 7.514 min Scan# 934
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 83 Resp: 13460
Ion Ratio Lower Upper
83 100
85 76.8 45.4 84.4

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

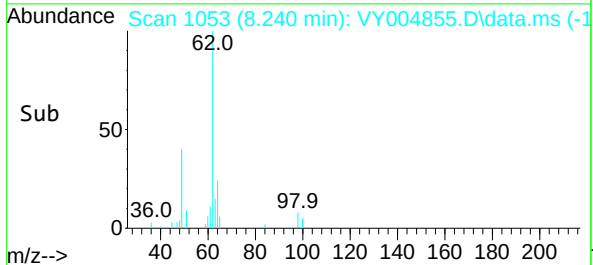
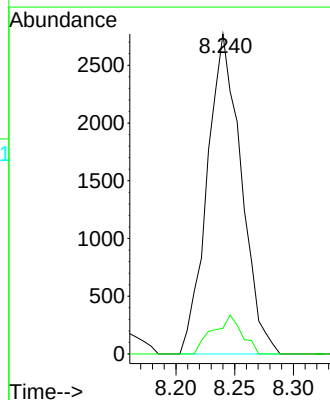
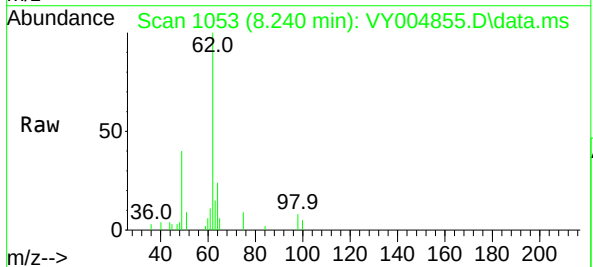
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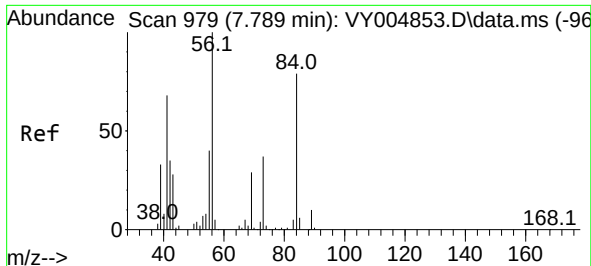
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5/24/2021 3:49:20 PM



#27
1,2-Dichloroethane
Concen: 1.03 ug/L
RT: 8.240 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 62 Resp: 5590
Ion Ratio Lower Upper
62 100
98 8.0 7.5 11.3





#29

Cyclohexane

Concen: 0.89 ug/L

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY004855.D

Acq: 20 May 2021 13:06

Tgt Ion:	56	Resp:	6334
Ion Ratio	Lower	Upper	
56	100		
69	13.6	22.6	33.8#
84	82.9	66.1	99.1

Instrument :

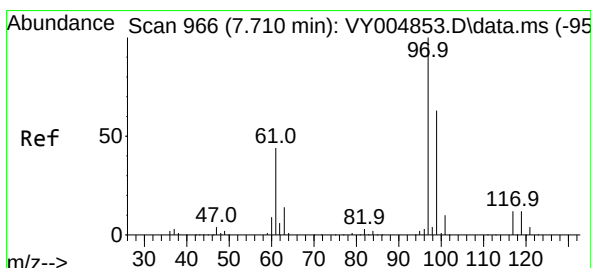
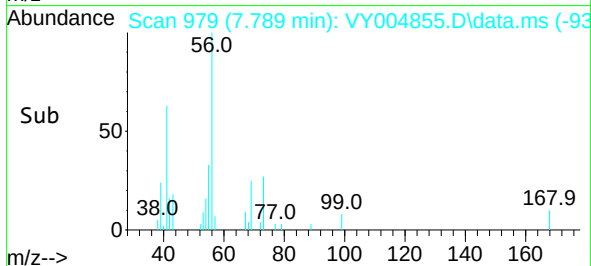
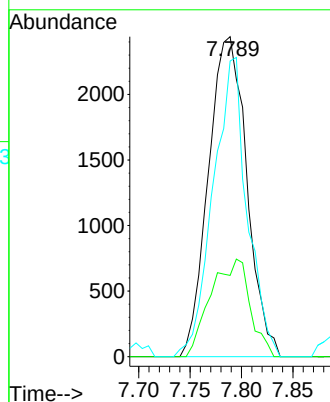
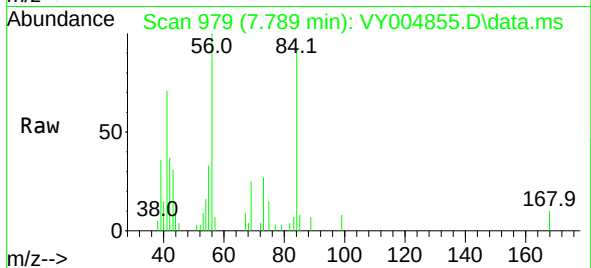
MSVOA_Y

ClientSampleId :

MDL-SOIL-QT3-2021-05

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5/24/2021 3:49:20 PM



#30

1,1,1-Trichloroethane

Concen: 0.98 ug/L

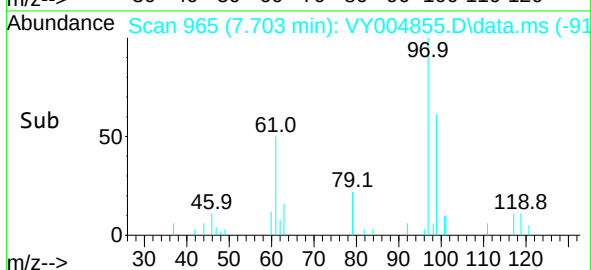
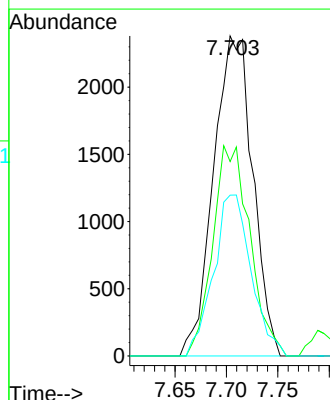
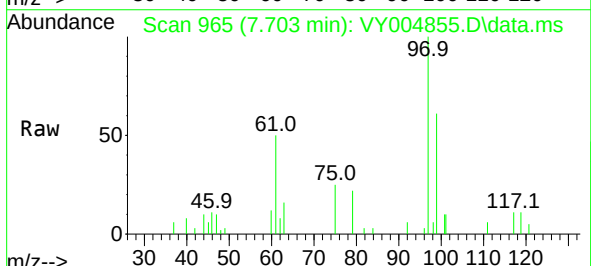
RT: 7.703 min Scan# 965

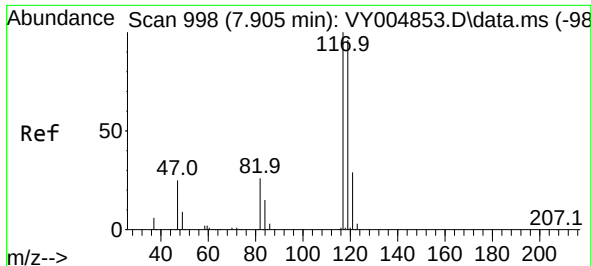
Delta R.T. -0.006 min

Lab File: VY004855.D

Acq: 20 May 2021 13:06

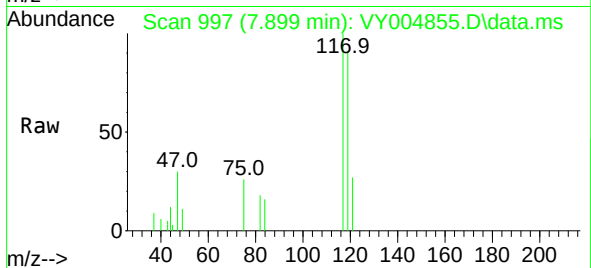
Tgt Ion:	97	Resp:	6327
Ion Ratio	Lower	Upper	
97	100		
99	62.3	51.8	77.6
61	48.2	37.3	55.9





#31
Carbon tetrachloride
Concen: 0.81 ug/L
RT: 7.899 min Scan# 997
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

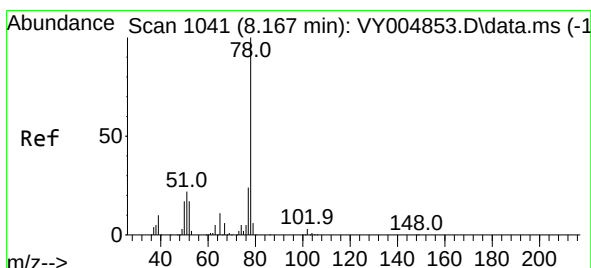
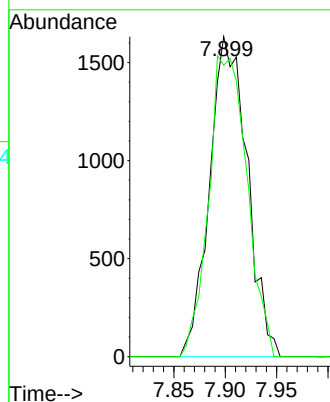
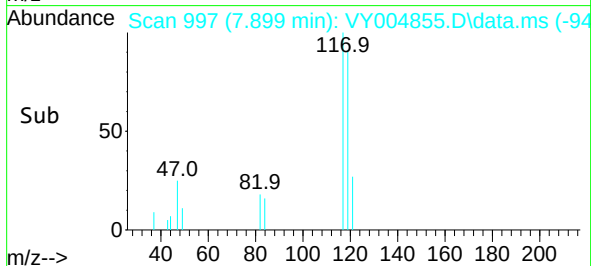
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion:117 Resp: 4154
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2

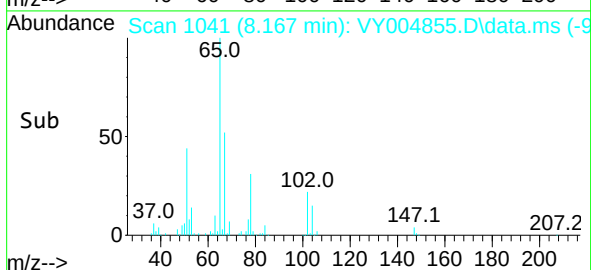
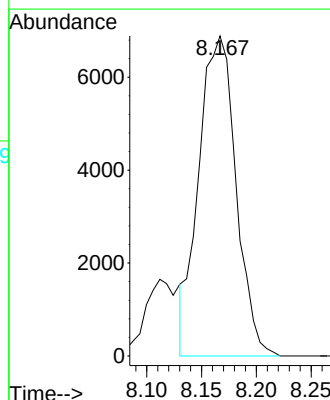
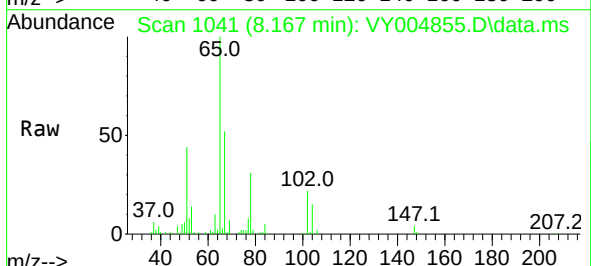
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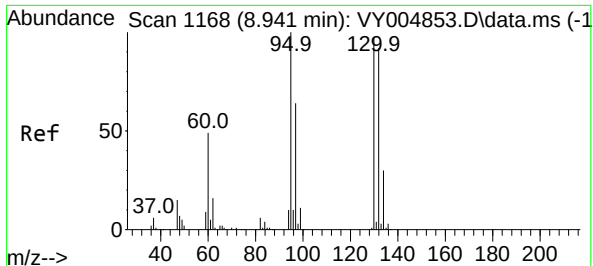
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5/24/2021 3:49:20 PM



#33
Benzene
Concen: 0.96 ug/L
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 78 Resp: 16257





#34

Trichloroethene

Concen: 0.96 ug/L

RT: 8.941 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VY004855.D

Acq: 20 May 2021 13:06

Tgt Ion: 95 Resp: 4130

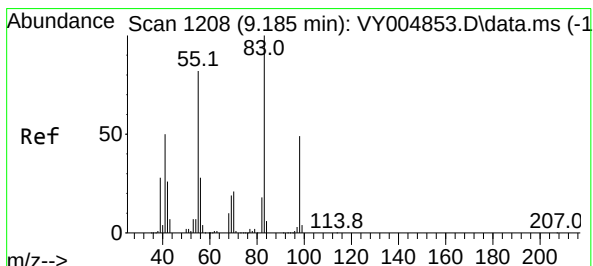
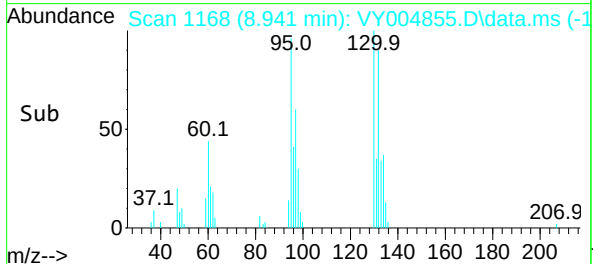
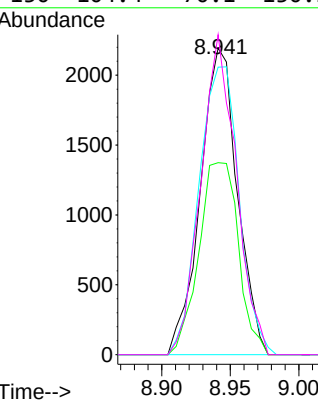
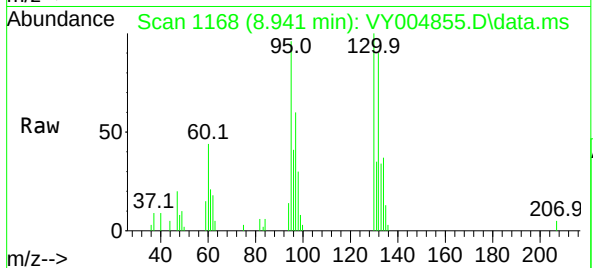
Ion Ratio Lower Upper

95 100

97 62.6 44.2 82.2

132 93.8 66.8 124.0

130 104.4 70.1 130.1



#35

Methylcyclohexane

Concen: 0.90 ug/L

RT: 9.185 min Scan# 1208

Delta R.T. -0.000 min

Lab File: VY004855.D

Acq: 20 May 2021 13:06

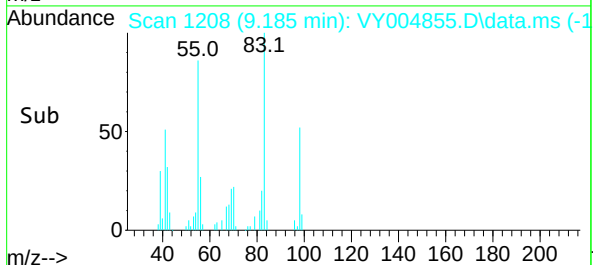
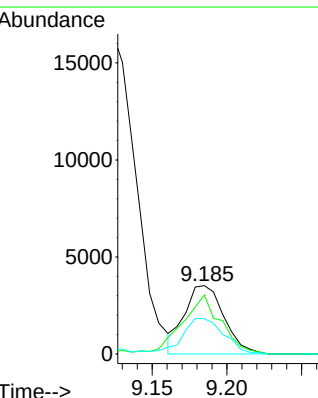
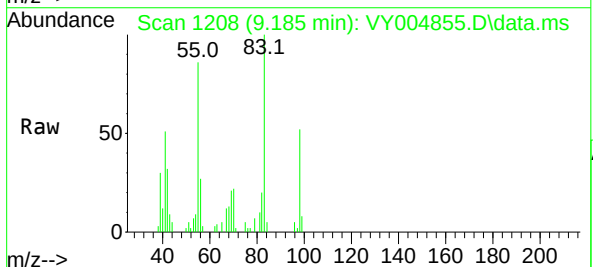
Tgt Ion: 83 Resp: 6482

Ion Ratio Lower Upper

83 100

55 85.3 63.9 95.9

98 56.0 38.7 58.1



Instrument :

MSVOA_Y

ClientSampleId :

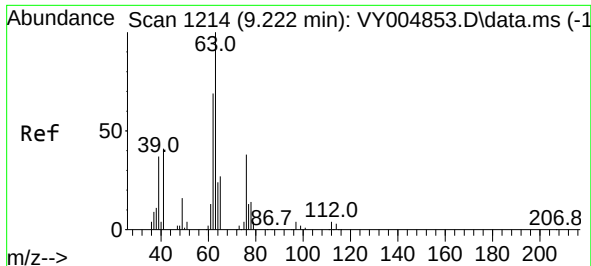
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5/24/2021 3:49:20 PM



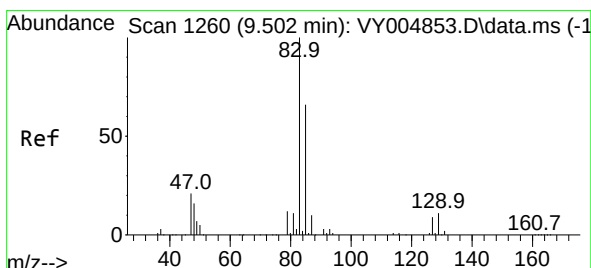
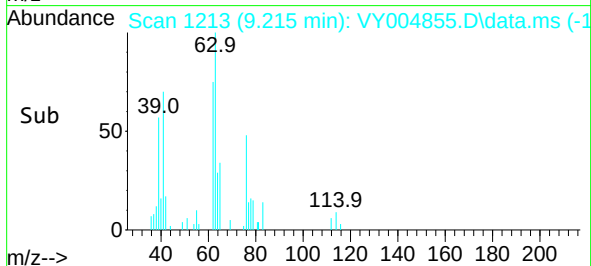
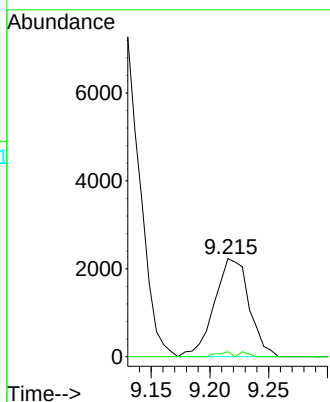
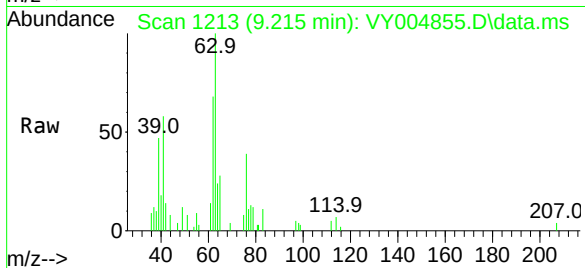
#37
1,2-Dichloropropane
Concen: 1.01 ug/L
RT: 9.215 min Scan# 1213
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 63 Resp: 4592
Ion Ratio Lower Upper
63 100
112 1.9 3.1 4.7#

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

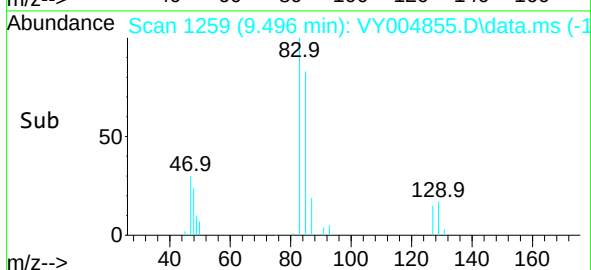
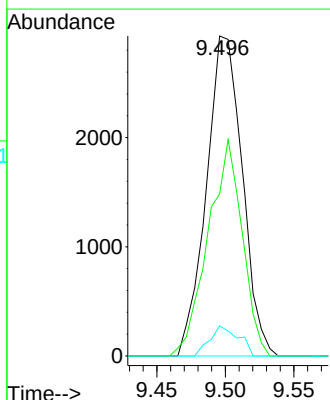
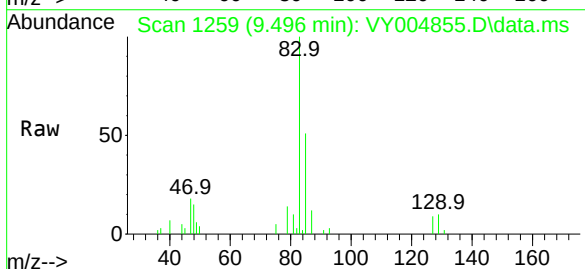
Manual Integrations
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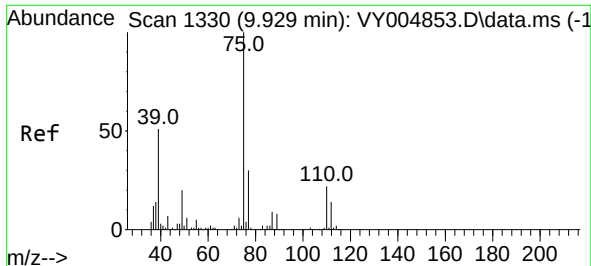
MMDadoda
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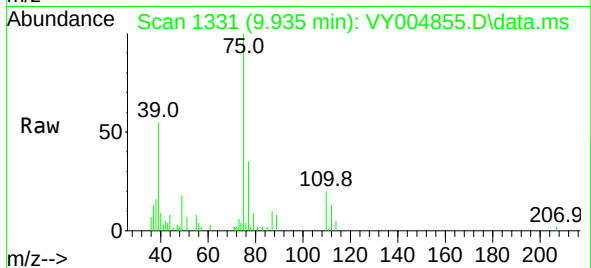
#38
Bromodichloromethane
Concen: 0.96 ug/L
RT: 9.496 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 83 Resp: 5352
Ion Ratio Lower Upper
83 100
85 50.7 44.1 81.9
127 9.4 6.9 10.3

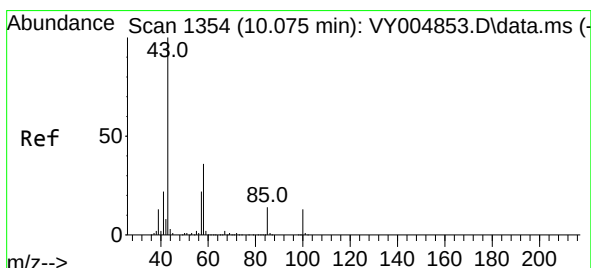
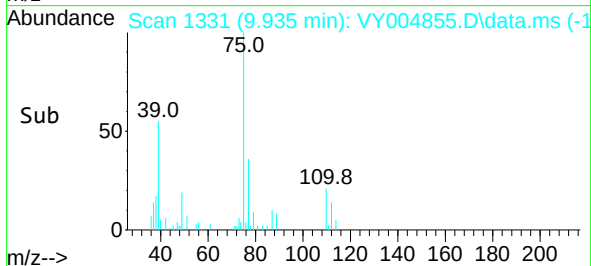
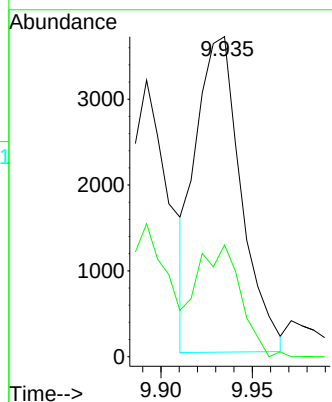




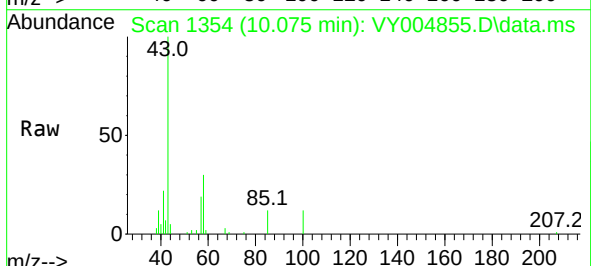
#39
cis-1,3-Dichloropropene
Concen: 0.90 ug/L
RT: 9.935 min Scan# 1331
Delta R.T. 0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



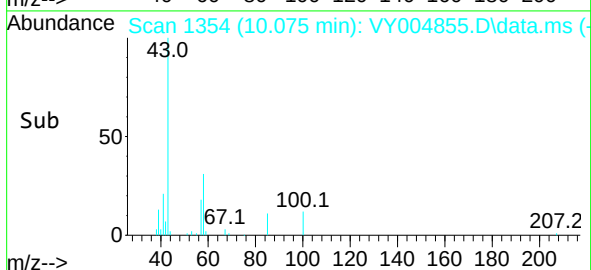
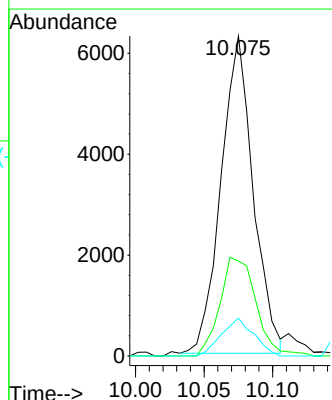
Tgt Ion: 75 Resp: 6353
Ion Ratio Lower Upper
75 100
77 34.9 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 2.12 ug/L
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



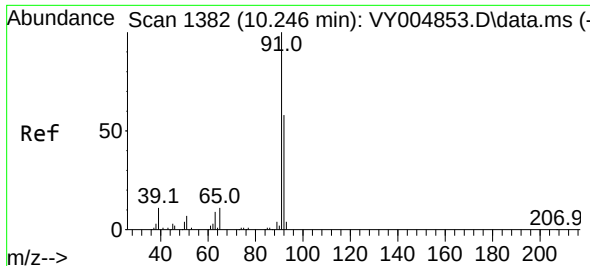
Tgt Ion: 43 Resp: 10254
Ion Ratio Lower Upper
43 100
58 34.9 28.5 42.7
100 12.0 10.4 15.6



Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

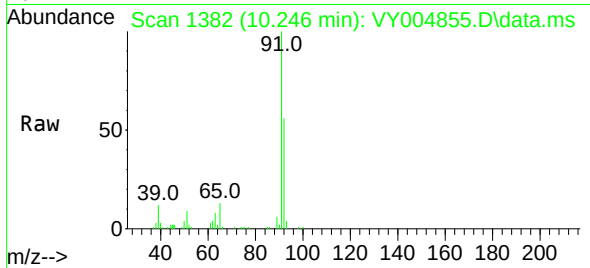
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#42
Toluene
Concen: 1.32 ug/L
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

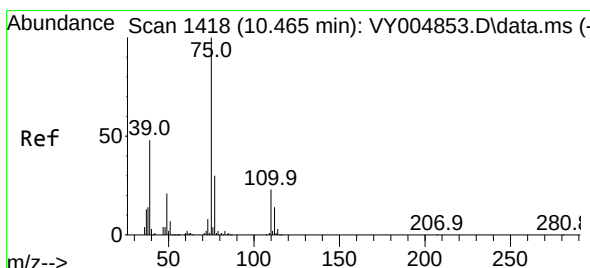
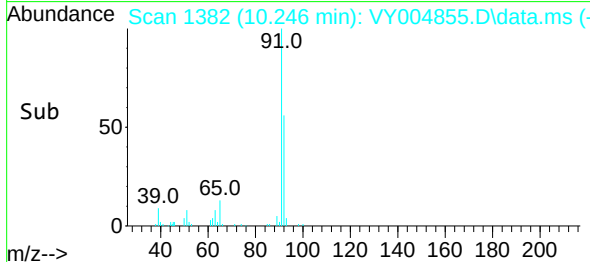
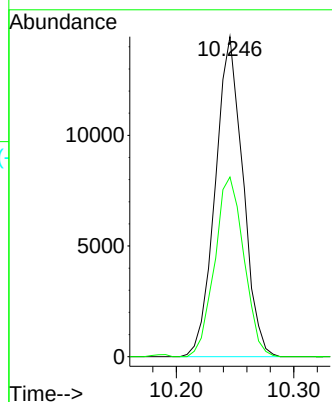
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



Tgt Ion: 91 Resp: 23662
Ion Ratio Lower Upper
91 100
92 56.1 40.5 75.1

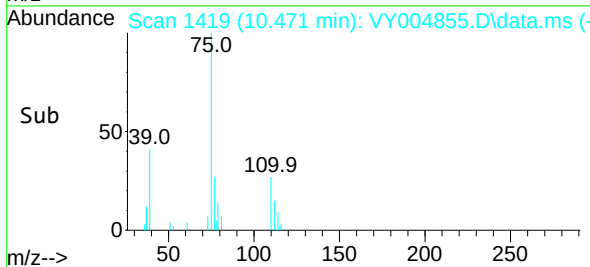
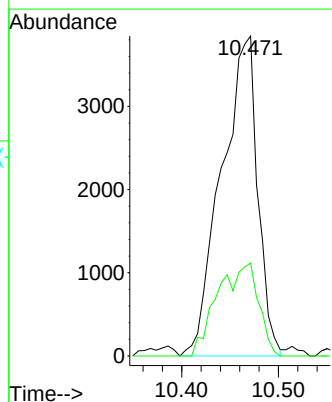
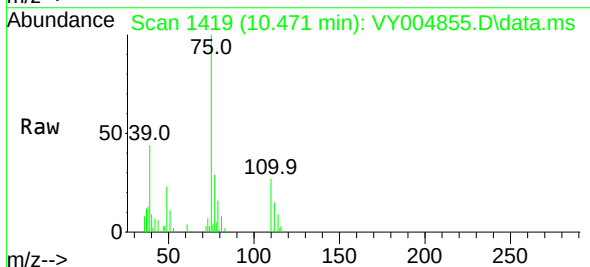
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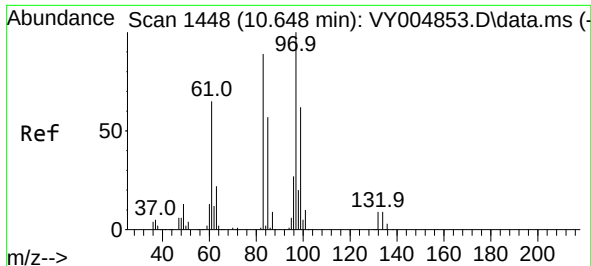
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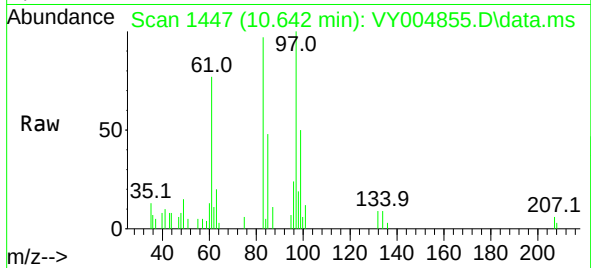
#44
trans-1,3-Dichloropropene
Concen: 1.53 ug/L
RT: 10.471 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 75 Resp: 9986
Ion Ratio Lower Upper
75 100
77 29.0 21.8 40.4

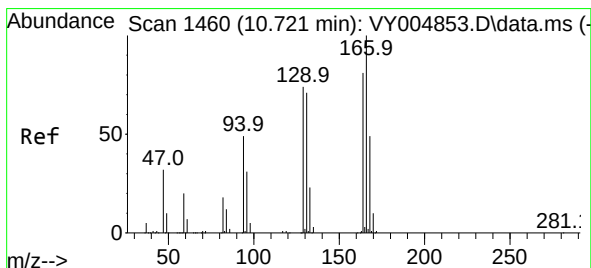
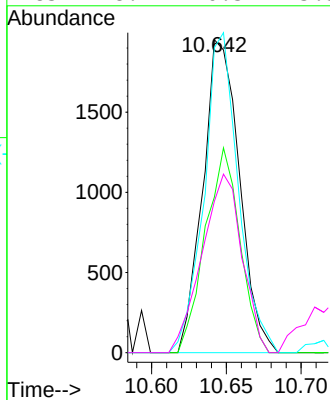
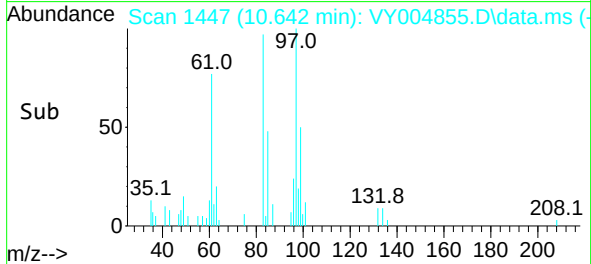




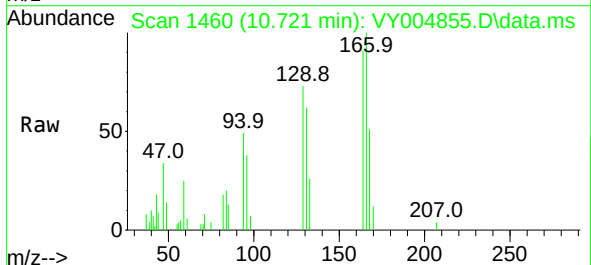
#45
1,1,2-Trichloroethane
Concen: 0.94 ug/L
RT: 10.642 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



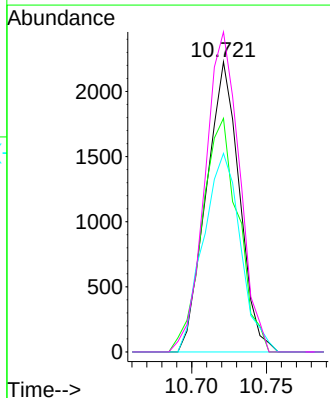
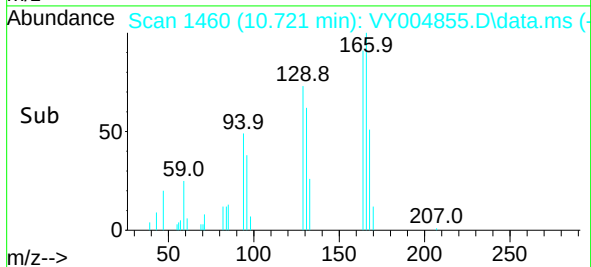
Tgt Ion:	97	Resp:	3323
Ion	Ratio	Lower	Upper
97	100		
99	49.7	44.2	82.0
83	97.4	61.1	113.5
85	48.4	40.5	75.3



#46
Tetrachloroethene
Concen: 1.06 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



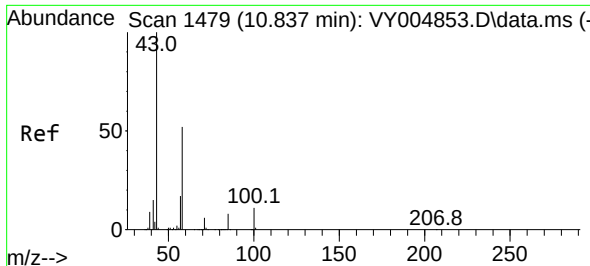
Tgt Ion:	164	Resp:	3427
Ion	Ratio	Lower	Upper
164	100		
129	80.6	65.9	122.3
131	68.5	61.9	115.1
166	110.3	85.3	158.3



Instrument :
MSVOA_Y
ClientSampleId :
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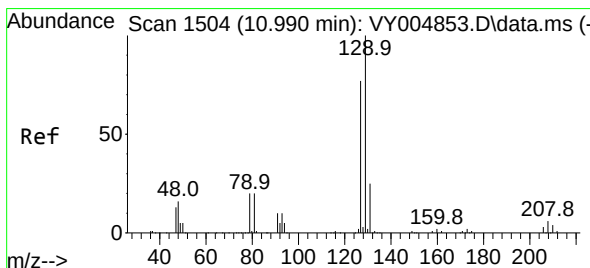
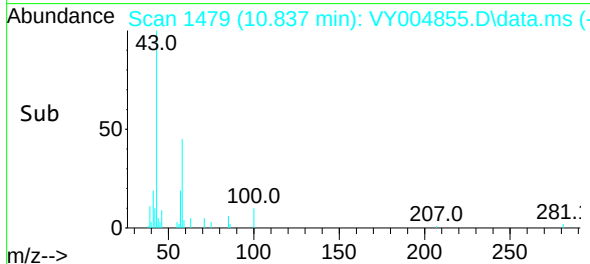
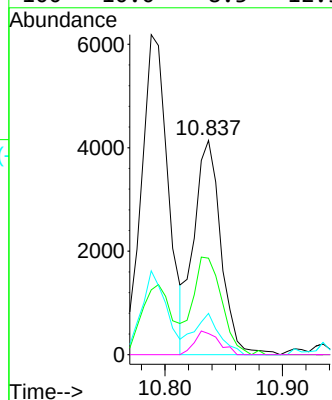
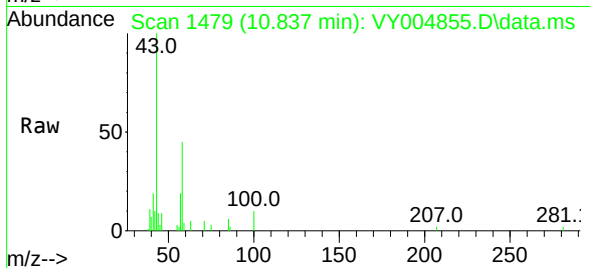
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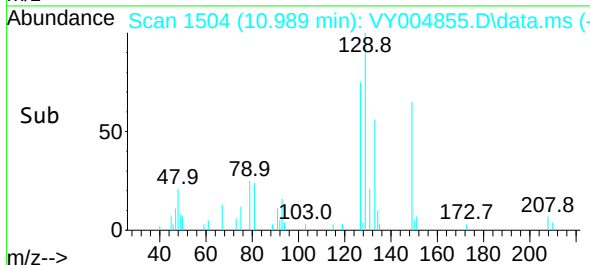
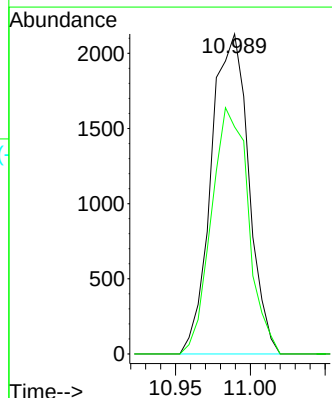
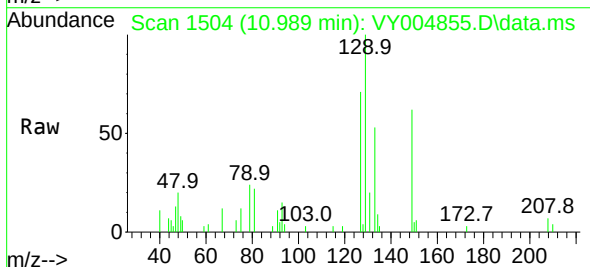
#48
2-Hexanone
Concen: 2.03 ug/L
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion:	43	Resp:	6622
Ion	Ratio	Lower	Upper
43	100		
58	48.5	41.1	61.7
57	18.5	13.8	20.6
100	10.0	8.3	12.5



#49
Dibromochloromethane
Concen: 0.93 ug/L
RT: 10.989 min Scan# 1504
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

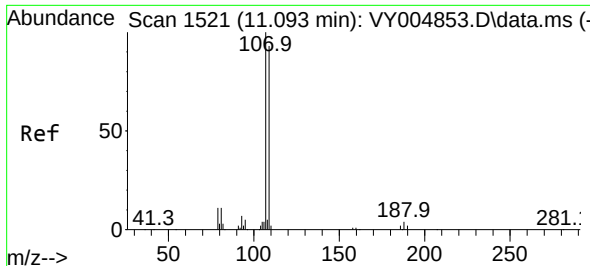
Tgt Ion:	129	Resp:	3702
Ion	Ratio	Lower	Upper
129	100		
127	70.9	52.8	98.0



Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

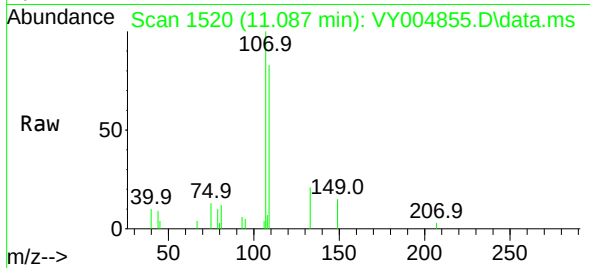
Manual Integrations
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5/24/2021 3:49:20 PM



#50
1,2-Dibromoethane
Concen: 0.95 ug/L
RT: 11.087 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

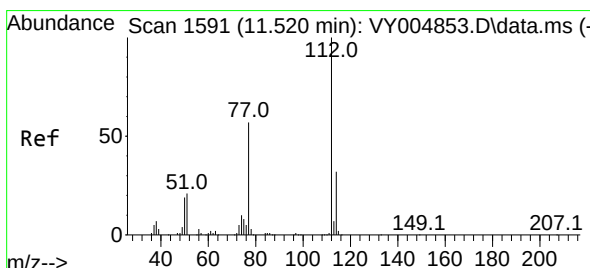
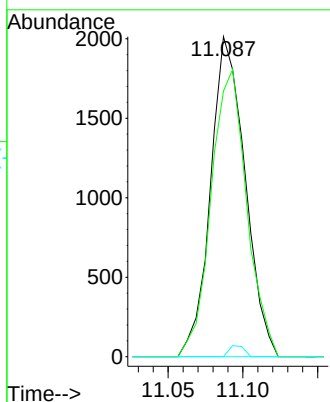
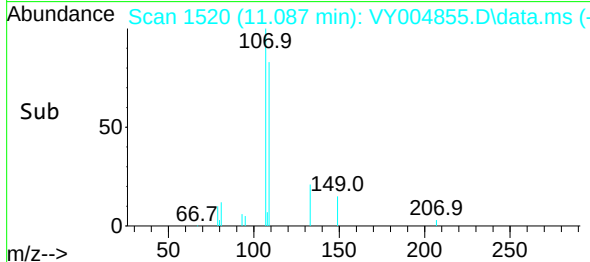
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



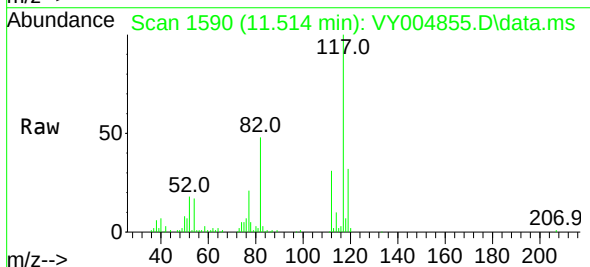
Tgt Ion:107 Resp: 3224
Ion Ratio Lower Upper
107 100
109 83.0 65.7 121.9
188 0.0 2.8 4.2#

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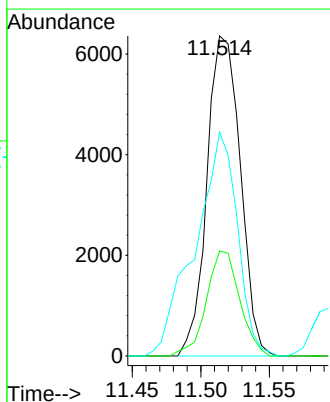
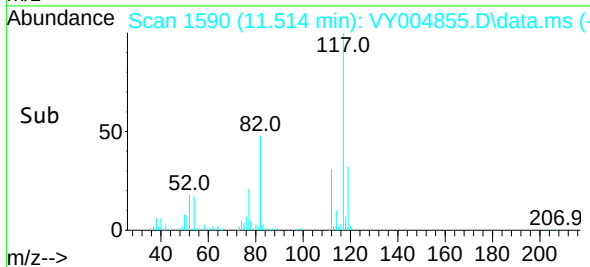
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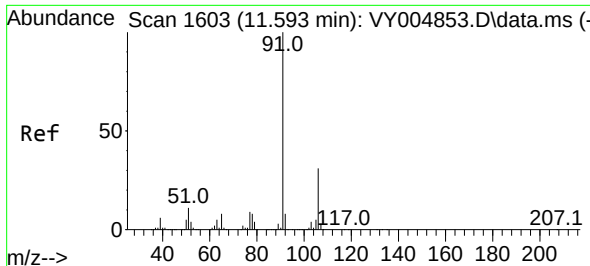


#51
Chlorobenzene
Concen: 0.97 ug/L
RT: 11.514 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



Tgt Ion:112 Resp: 10785
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.5
77 70.0 46.5 69.7#





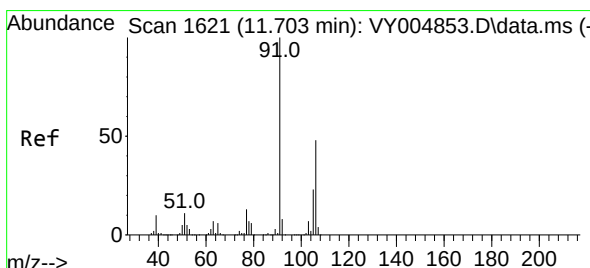
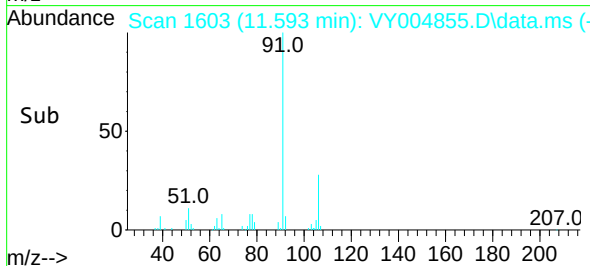
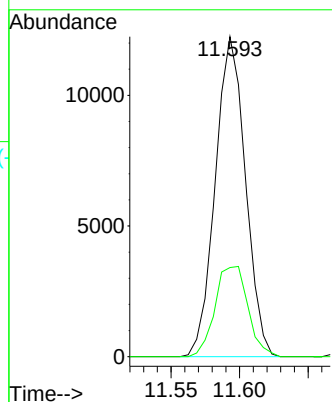
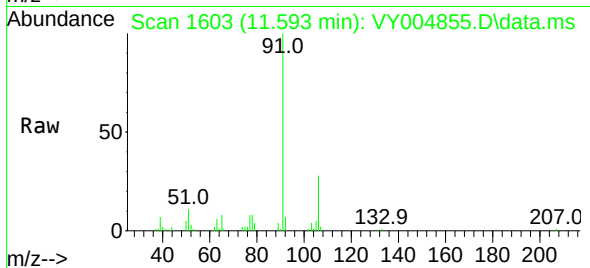
#52
Ethylbenzene
Concen: 0.97 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 91 Resp: 18752
Ion Ratio Lower Upper
91 100
106 27.9 21.2 39.4

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

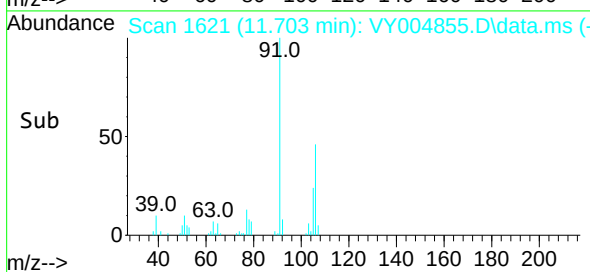
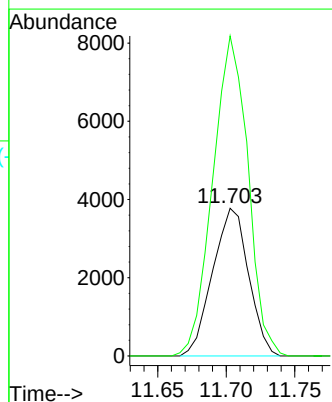
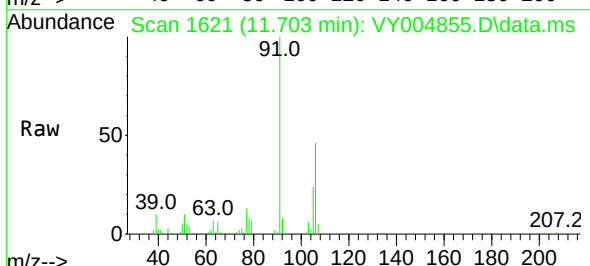
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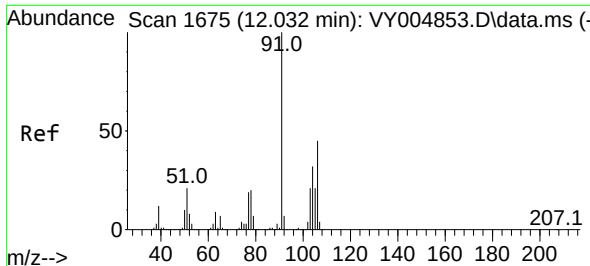
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5/24/2021 3:49:20 PM



#53
m,p-Xylene
Concen: 0.96 ug/L
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion: 106 Resp: 6890
Ion Ratio Lower Upper
106 100
91 216.7 145.7 270.5





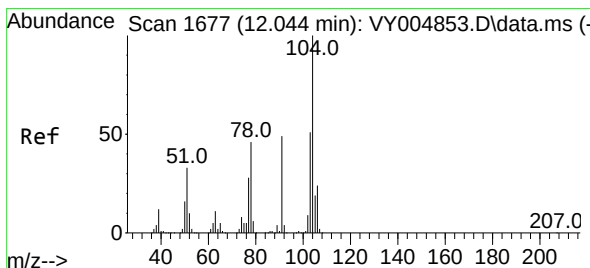
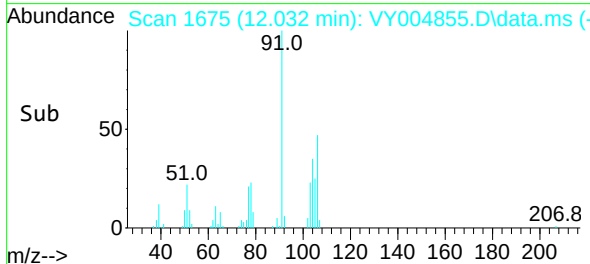
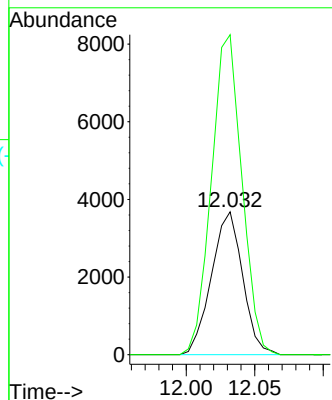
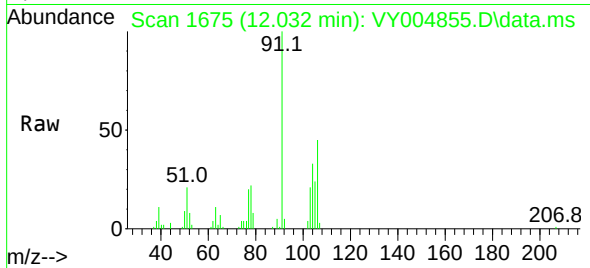
#54
o-Xylene
Concen: 0.85 ug/L
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

Tgt Ion:106 Resp: 5838
Ion Ratio Lower Upper
106 100
91 224.0 150.6 279.6

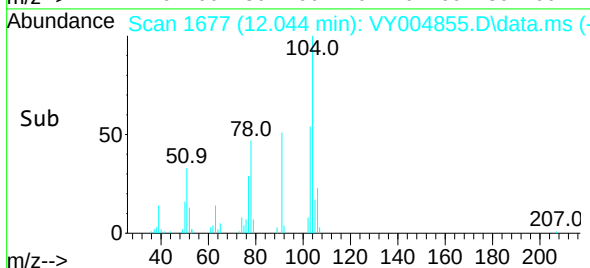
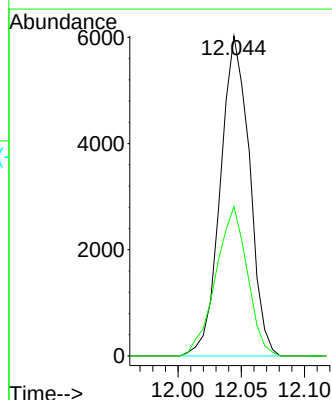
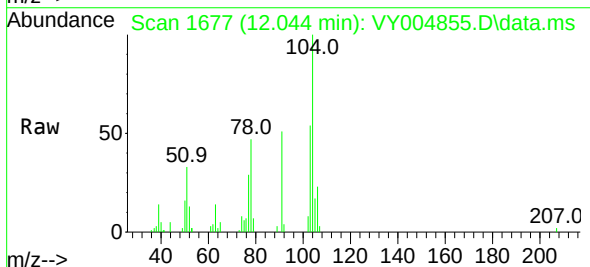
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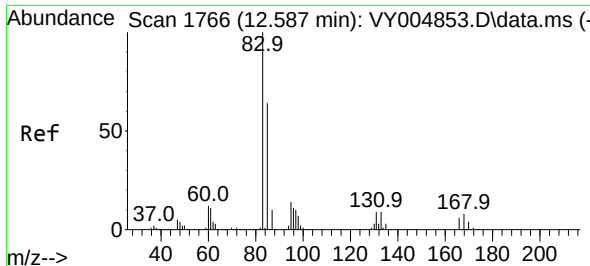
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#55
Styrene
Concen: 0.82 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion:104 Resp: 9621
Ion Ratio Lower Upper
104 100
78 46.7 31.8 59.0





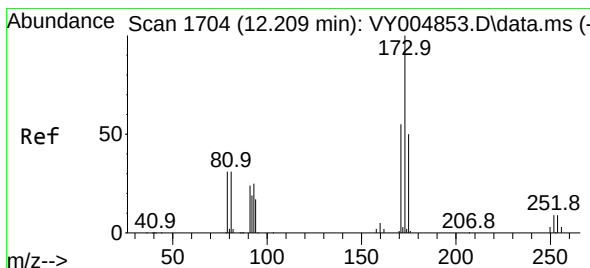
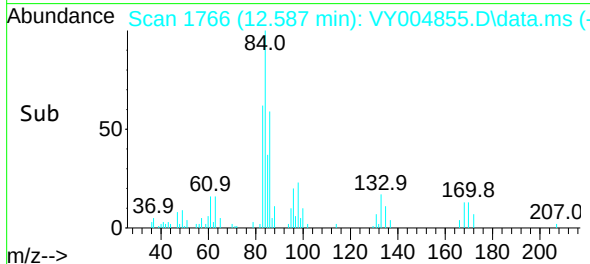
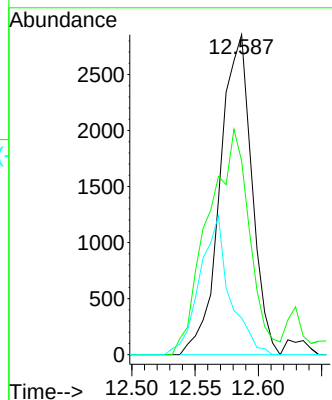
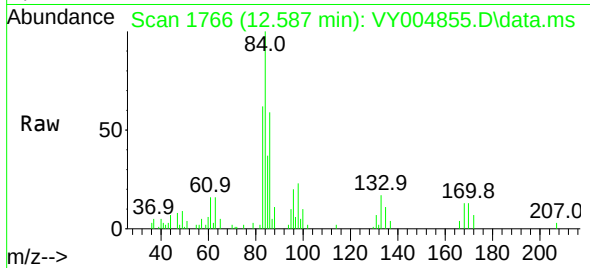
#57
1,1,2,2-Tetrachloroethane
Concen: 1.16 ug/L
RT: 12.587 min Scan# 1766
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	45.0	83.6
131	11.5	6.9	10.3#

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

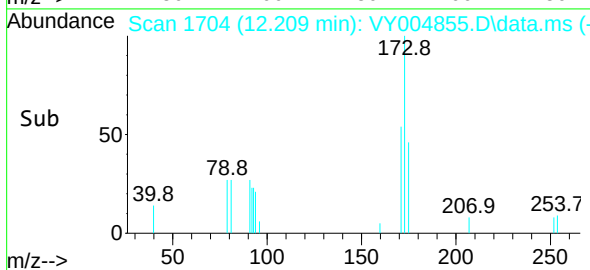
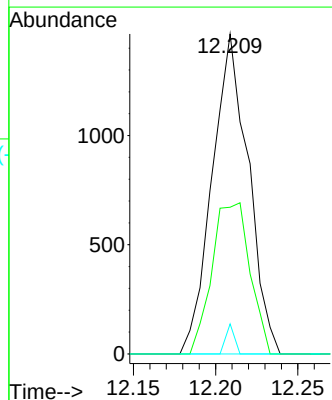
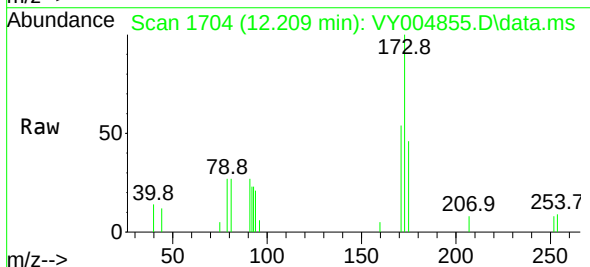
Manual Integrations
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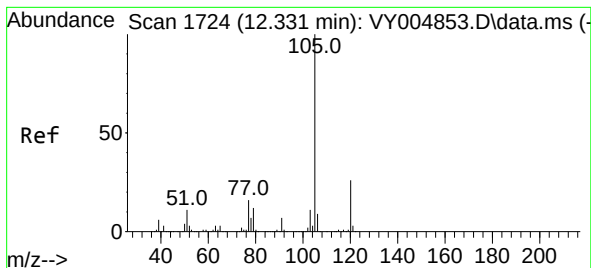
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5/24/2021 3:49:20 PM



#59
Bromoform
Concen: 0.91 ug/L
RT: 12.209 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.8	58.2
254	0.0	7.3	10.9#





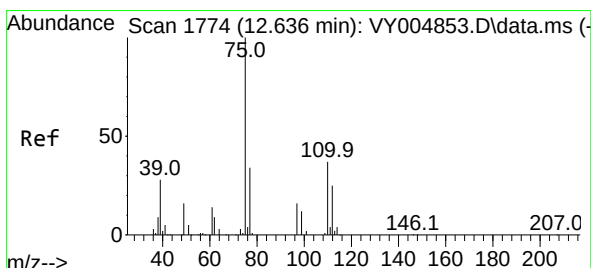
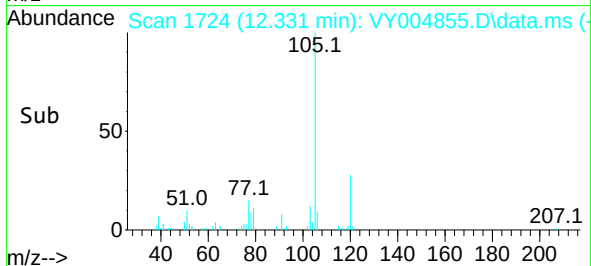
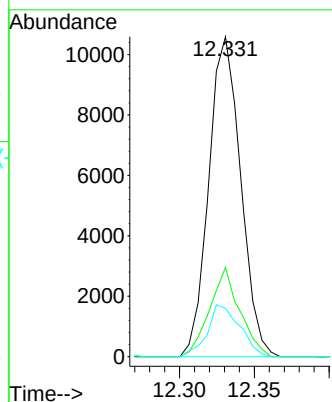
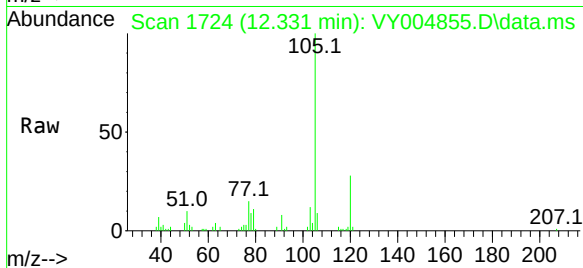
#60
Isopropylbenzene
Concen: 0.87 ug/L
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion:	105	Resp:	15717
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.6
77	16.5	12.7	19.1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

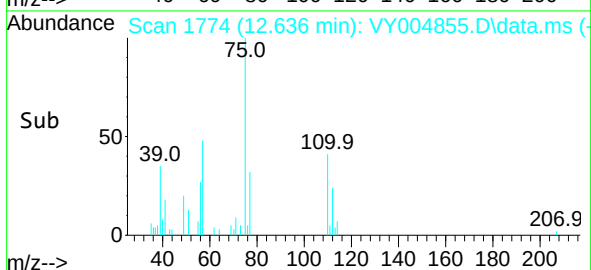
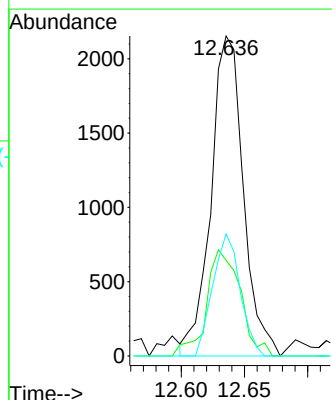
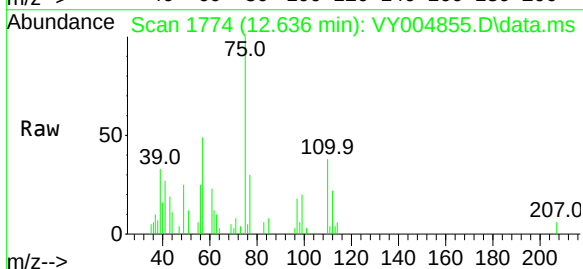
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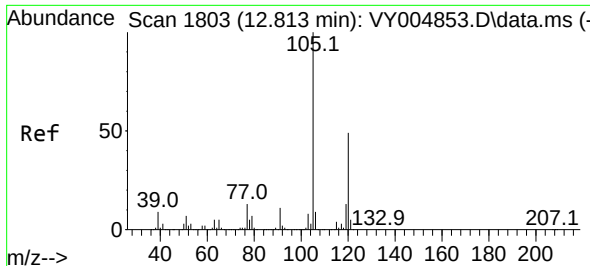
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5/24/2021 3:49:20 PM



#61
1,2,3-Trichloropropane
Concen: 1.09 ug/L
RT: 12.636 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion:	75	Resp:	3830
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.7	38.5
110	32.3	30.8	46.2





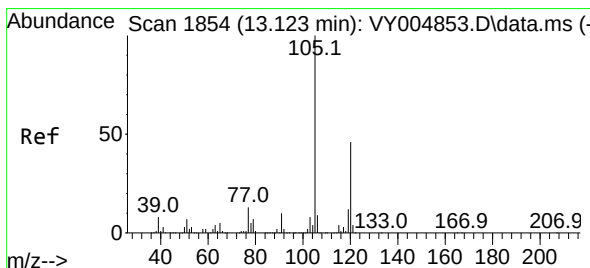
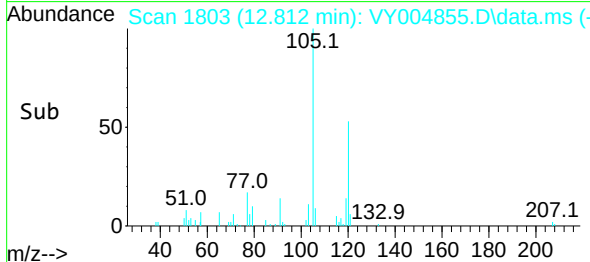
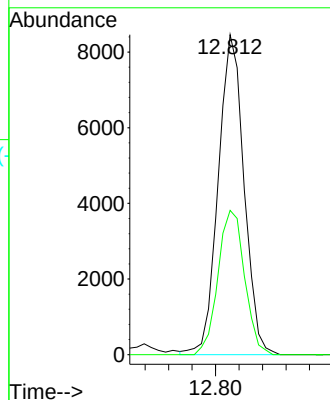
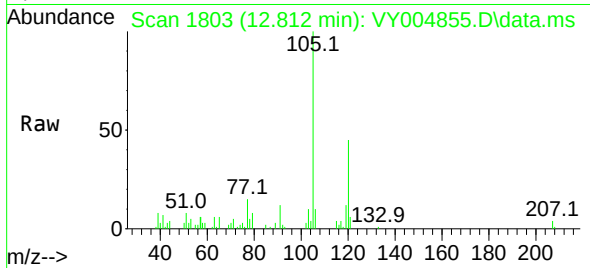
#62
1,3,5-Trimethylbenzene
Concen: 0.89 ug/L
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion:105 Resp: 12900
Ion Ratio Lower Upper
105 100
120 46.4 38.3 57.5

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

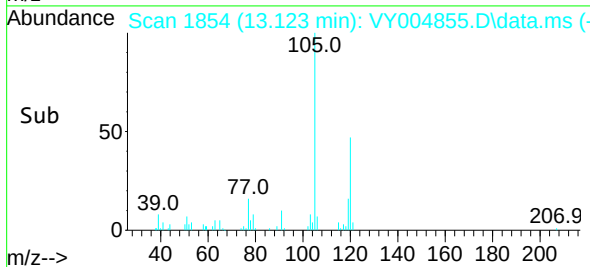
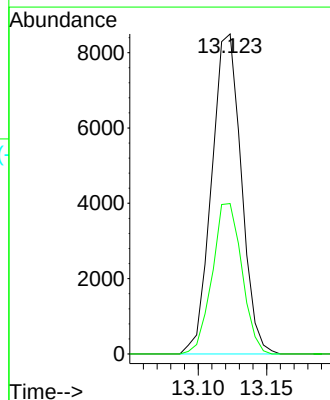
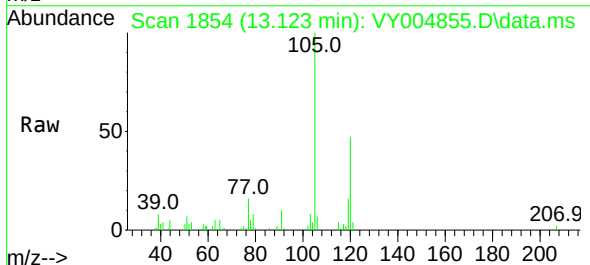
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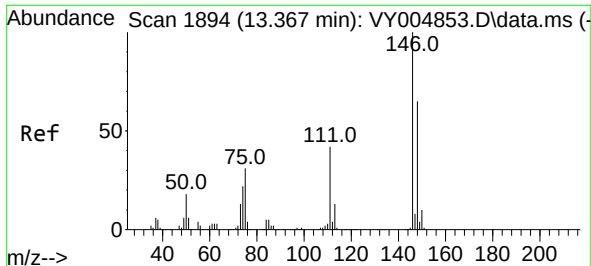
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5/24/2021 3:49:20 PM



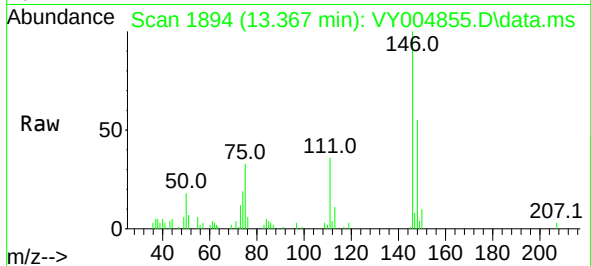
#63
1,2,4-Trimethylbenzene
Concen: 0.88 ug/L
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion:105 Resp: 12757
Ion Ratio Lower Upper
105 100
120 47.1 36.2 54.4

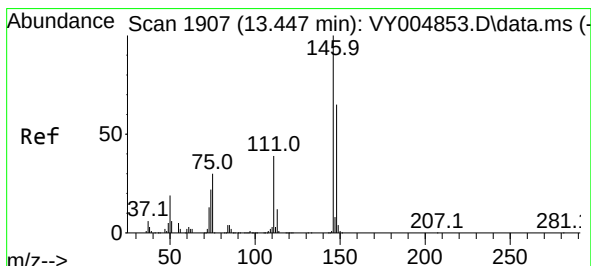
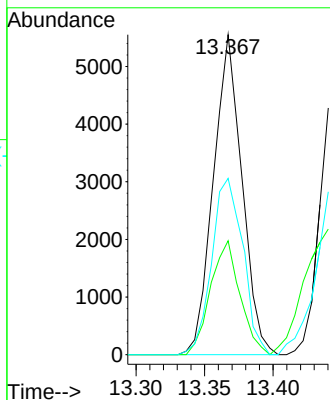
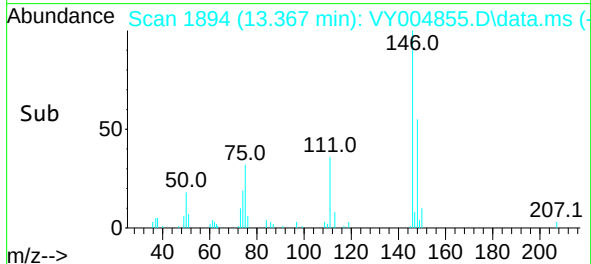




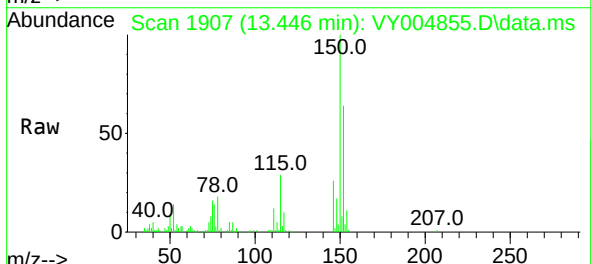
#64
1,3-Dichlorobenzene
Concen: 1.04 ug/L
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



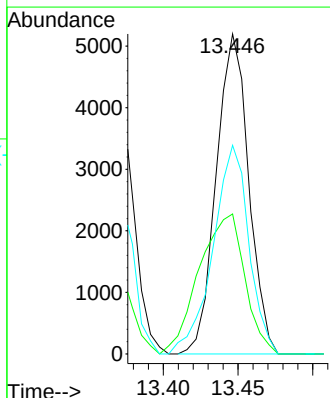
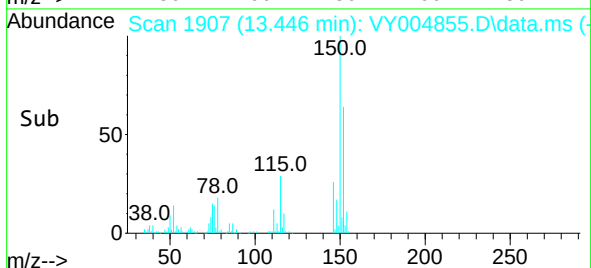
Tgt Ion:146 Resp: 8056
Ion Ratio Lower Upper
146 100
111 35.6 27.4 51.0
148 55.1 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 1.00 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



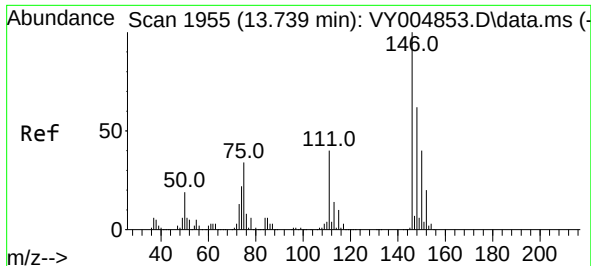
Tgt Ion:146 Resp: 7838
Ion Ratio Lower Upper
146 100
111 43.7 26.4 49.0
148 65.2 44.3 82.3



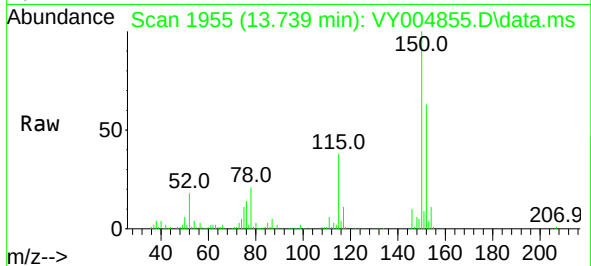
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

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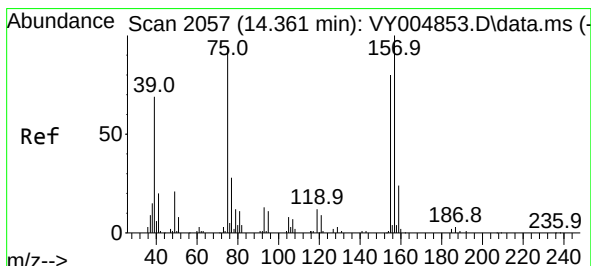
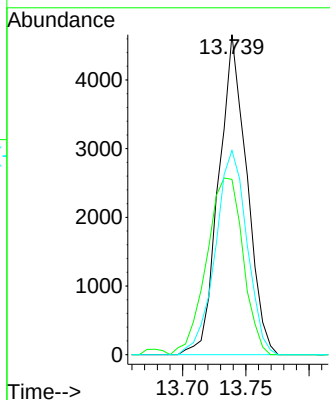
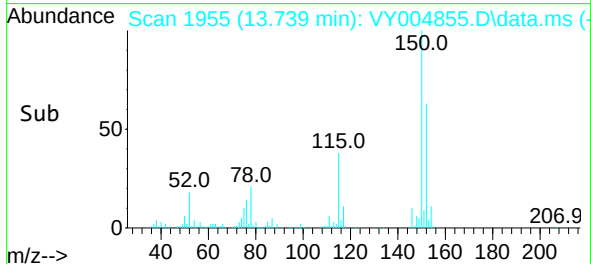
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5/24/2021 3:49:20 PM



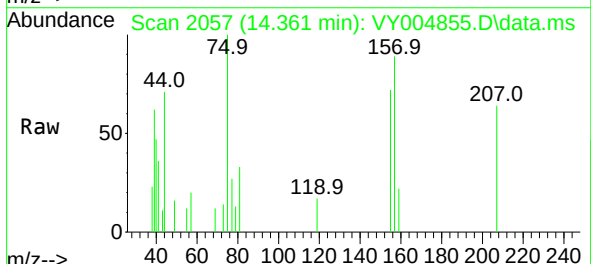
#67
1,2-Dichlorobenzene
Concen: 1.00 ug/L
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



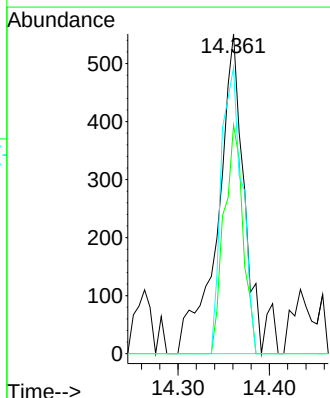
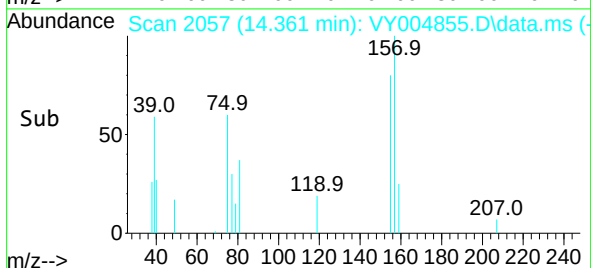
Tgt Ion: 146 Resp: 7168
Ion Ratio Lower Upper
146 100
111 54.8 33.9 50.9#
148 63.8 49.7 74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 1.43 ug/L
RT: 14.361 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



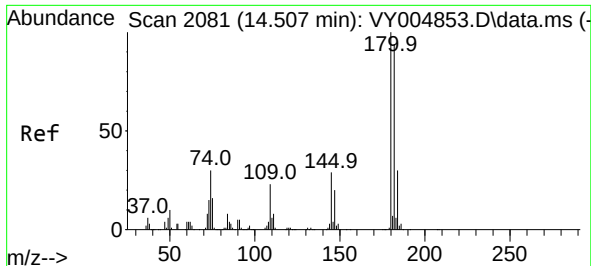
Tgt Ion: 75 Resp: 1136
Ion Ratio Lower Upper
75 100
155 71.5 64.5 96.7
157 89.5 77.4 116.2



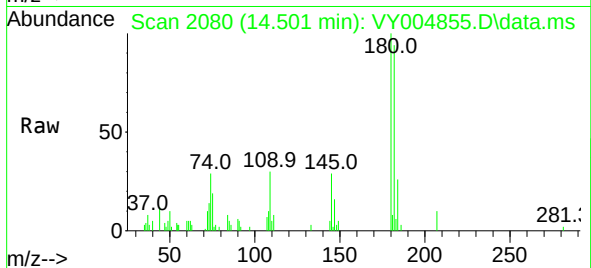
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

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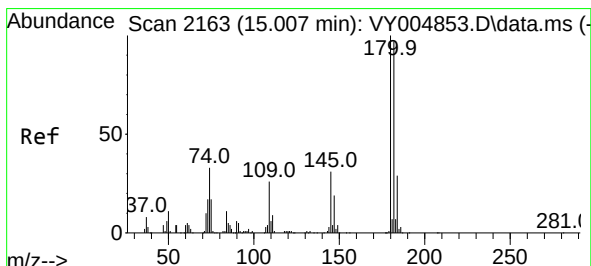
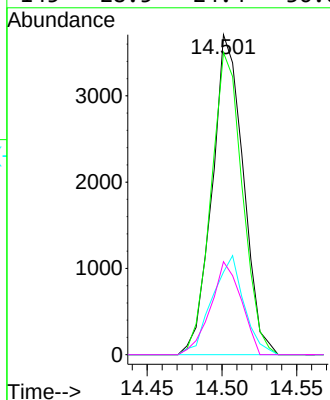
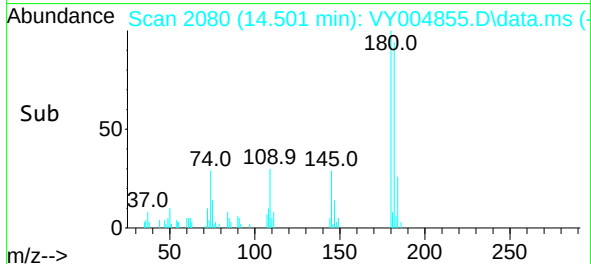
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5/24/2021 3:49:20 PM



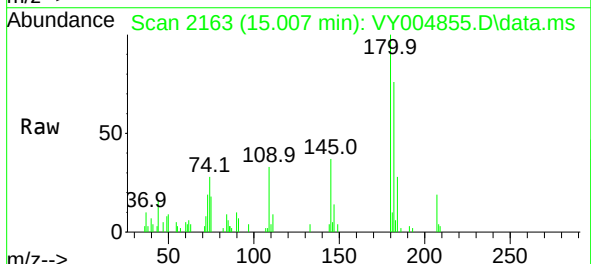
#69
1,3,5-Trichlorobenzene
Concen: 1.03 ug/L
RT: 14.501 min Scan# 2080
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



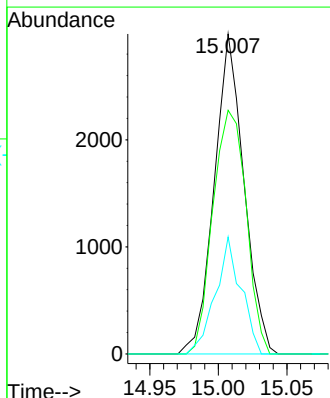
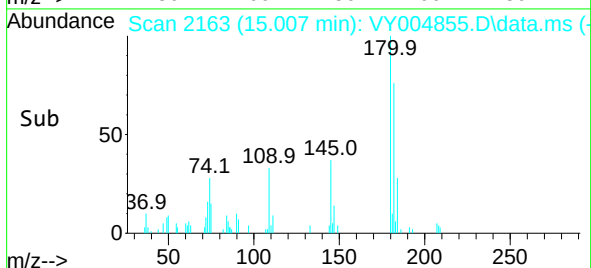
Tgt Ion:	180	Resp:	5364
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.1	114.1
184	31.7	24.6	36.8
145	28.5	24.4	36.6



#70
1,2,4-trichlorobenzene
Concen: 1.04 ug/L
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06



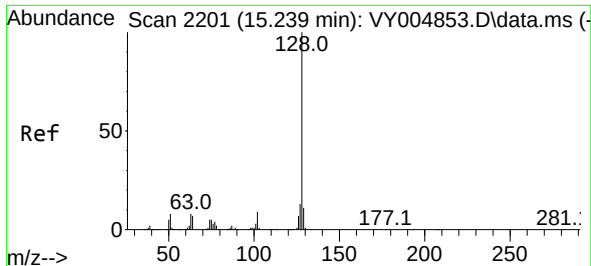
Tgt Ion:	180	Resp:	4498
Ion Ratio	Lower	Upper	
180	100		
182	85.2	76.4	114.6
145	31.6	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

Manual Integrations
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5/24/2021 3:49:20 PM



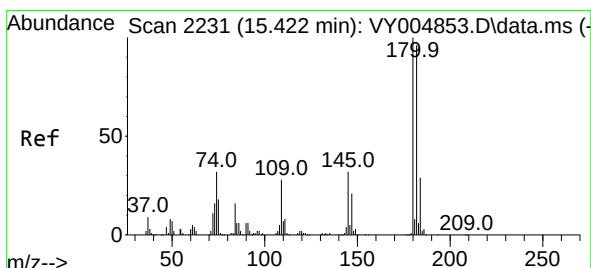
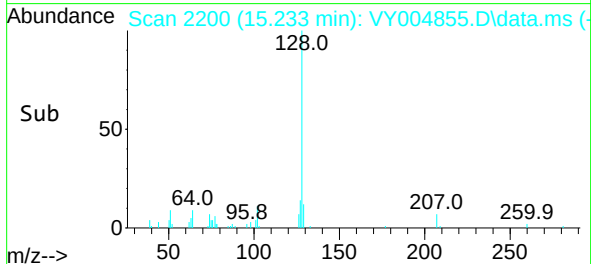
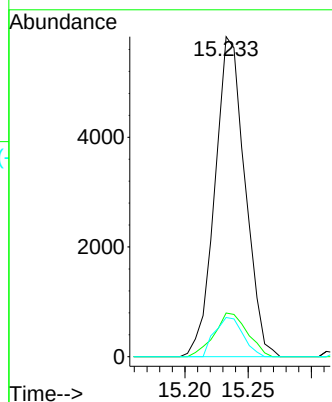
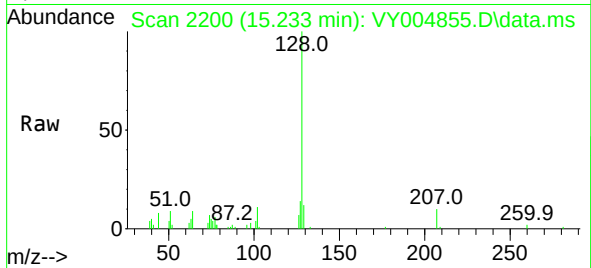
#71
Naphthalene
Concen: 0.88 ug/L
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.3	15.5
129	11.5	8.9	13.3

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

Manual Integrations
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5/24/2021 3:49:20 PM



#72
1,2,3-Trichlorobenzene
Concen: 0.94 ug/L
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY004855.D
Acq: 20 May 2021 13:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.2
145	36.2	25.8	38.8

