

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020521\
 Data File : VY003987.D
 Acq On : 05 Feb 2021 14:28
 Operator : SY/MD
 Sample : L5214-03
 Misc : 5.00g/10mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda
 2/8/2021 11:34:59 AM

Quant Time: Feb 06 03:59:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 06 03:42:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	219792	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	205969	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	103171	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	95841	21.62	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.48%		
7) Chloroethane-d5	2.772	69	75034	22.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.68%		
11) 1,1-Dichloroethene-d2	3.863	63	129264	18.24	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.96%		
21) 2-Butanone-d5	6.905	46	68042	48.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	97.26%		
24) Chloroform-d	7.490	84	140847	21.68	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	86.72%		
26) 1,2-Dichloroethane-d4	8.149	65	99207	25.22	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.88%		
32) Benzene-d6	8.118	84	287837	23.07	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.28%		
36) 1,2-Dichloropropane-d6	9.130	67	86347	22.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.56%		
41) Toluene-d8	10.185	98	270891	22.78	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.12%		
43) trans-1,3-Dichloroprop...	10.441	79	48392	24.33	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.32%		
47) 2-Hexanone-d5	10.795	63	50035	49.00	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.00%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	76141	21.33	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	85.32%		
66) 1,2-Dichlorobenzene-d4	13.727	152	92985	23.39	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	93.56%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	4425	1.04	ug/L	98
3) Chloromethane	2.119	50	5375	1.12	ug/L	97
5) Vinyl chloride	2.259	62	5237	1.13	ug/L #	63
6) Bromomethane	2.668	94	2751	1.00	ug/L	90
8) Chloroethane	2.808	64	2827	0.97	ug/L	87
9) Trichlorofluoromethane	3.137	101	6302	1.11	ug/L	97
12) 1,1-Dichloroethene	3.881	96	4143	1.33	ug/L #	1
13) Acetone	3.973	43	3103m	2.91	ug/L	
14) Carbon disulfide	4.216	76	11005	1.03	ug/L	98
15) Methyl Acetate	4.497	43	2706	1.09	ug/L #	73
16) Methylene chloride	4.735	84	8761	2.27	ug/L	88
17) trans-1,2-Dichloroethene	5.241	96	3626m	1.11	ug/L	
18) Methyl tert-butyl Ether	5.235	73	8828m	0.96	ug/L	
19) 1,1-Dichloroethane	6.039	63	5733	0.94	ug/L	92
20) cis-1,2-Dichloroethene	7.003	96	3421m	1.00	ug/L	
22) 2-Butanone	7.009	43	3774	2.33	ug/L	86
23) Bromochloromethane	7.350	128	1654	1.00	ug/L #	69
25) Chloroform	7.521	83	10929	1.78	ug/L	96
27) 1,2-Dichloroethane	8.240	62	4995	1.09	ug/L #	88

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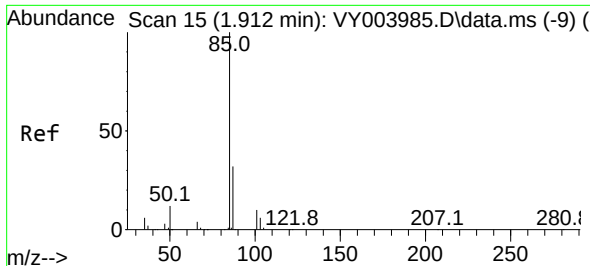
Manual Integrations
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL012621SMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.789	56	5841	1.00	ug/L	94
30) 1,1,1-Trichloroethane	7.716	97	5822	1.06	ug/L #	79
31) Carbon tetrachloride	7.917	117	5105	1.04	ug/L	98
33) Benzene	8.173	78	13822	1.05	ug/L	100
34) Trichloroethene	8.947	95	3569	1.02	ug/L	88
35) Methylcyclohexane	9.191	83	5902	1.01	ug/L	92
37) 1,2-Dichloropropane	9.222	63	3335	0.94	ug/L	99
38) Bromodichloromethane	9.502	83	4667	1.00	ug/L	98
39) cis-1,3-Dichloropropene	9.935	75	5579	1.01	ug/L	93
40) 4-Methyl-2-pentanone	10.075	43	7195	2.09	ug/L	95
42) Toluene	10.246	91	15334	1.06	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	7587	1.47	ug/L	92
45) 1,1,2-Trichloroethane	10.648	97	2579	0.96	ug/L	86
46) Tetrachloroethene	10.721	164	3202	1.10	ug/L	84
48) 2-Hexanone	10.837	43	5325	2.16	ug/L	94
49) Dibromochloromethane	10.990	129	3315	1.00	ug/L	98
50) 1,2-Dibromoethane	11.093	107	2504	0.95	ug/L #	84
51) Chlorobenzene	11.520	112	9175	1.02	ug/L	91
52) Ethylbenzene	11.593	91	15492	0.96	ug/L	93
53) m,p-Xylene	11.703	106	6150	1.02	ug/L	93
54) o-Xylene	12.032	106	5314	0.92	ug/L	91
55) Styrene	12.044	104	9487	0.95	ug/L	83
57) 1,1,2,2-Tetrachloroethane	12.587	83	3852	1.11	ug/L #	98
59) Bromoform	12.209	173	2341	1.09	ug/L #	94
60) Isopropylbenzene	12.331	105	14935	1.01	ug/L	96
61) 1,2,3-Trichloropropane	12.636	75	2704	1.04	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	12512	1.00	ug/L	97
63) 1,2,4-Trimethylbenzene	13.123	105	12117	0.98	ug/L	96
64) 1,3-Dichlorobenzene	13.367	146	7004	1.03	ug/L	92
65) 1,4-Dichlorobenzene	13.446	146	7626	1.12	ug/L	97
67) 1,2-Dichlorobenzene	13.739	146	7024	1.11	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	829m	1.30	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	5826	1.17	ug/L	96
70) 1,2,4-trichlorobenzene	15.001	180	4322	1.05	ug/L	96
71) Naphthalene	15.239	128	8647	1.00	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	3407	0.95	ug/L	91

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



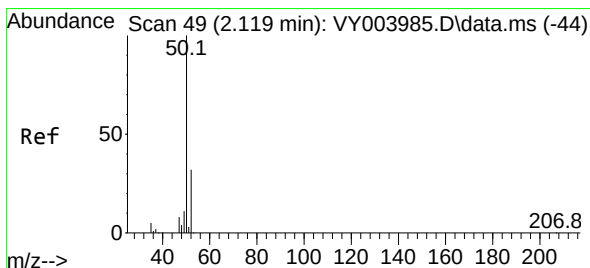
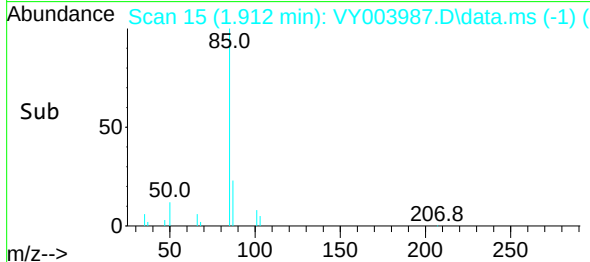
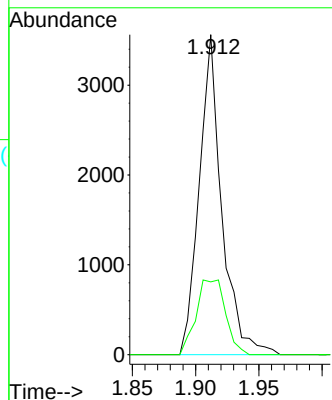
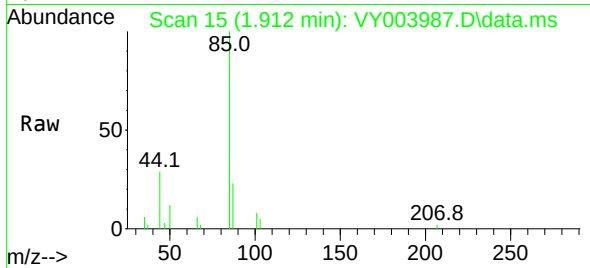
#2
Dichlorodifluoromethane
Concen: 1.04 ug/L
RT: 1.912 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 85 Resp: 4425
Ion Ratio Lower Upper
85 100
87 30.5 25.4 38.2

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01

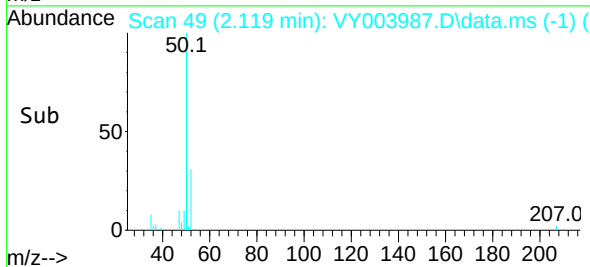
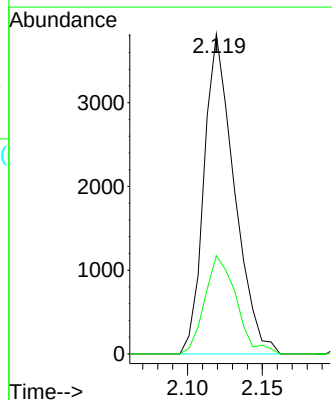
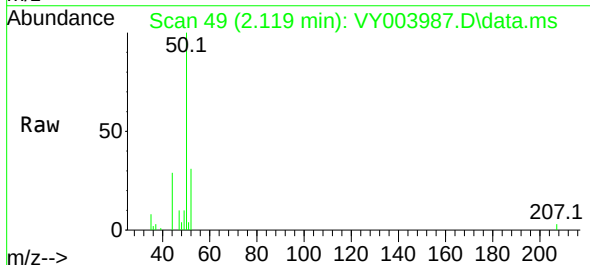
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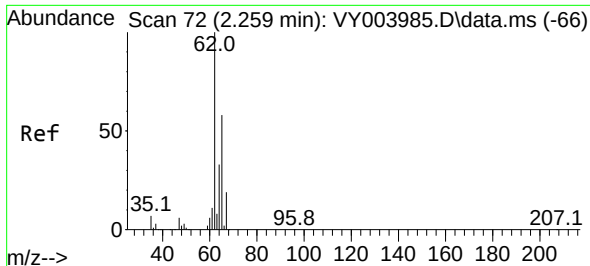
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#3
Chloromethane
Concen: 1.12 ug/L
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 50 Resp: 5375
Ion Ratio Lower Upper
50 100
52 30.7 22.7 42.3





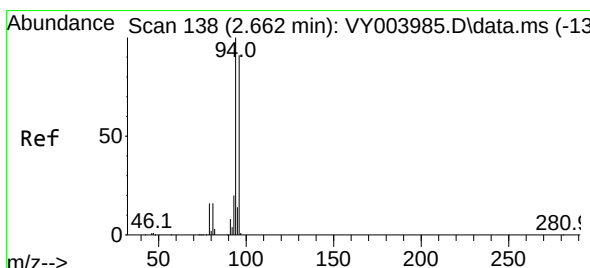
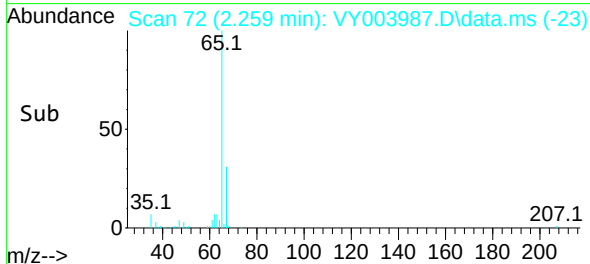
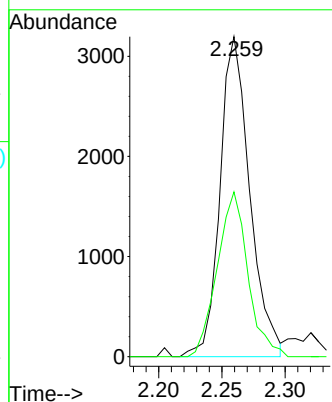
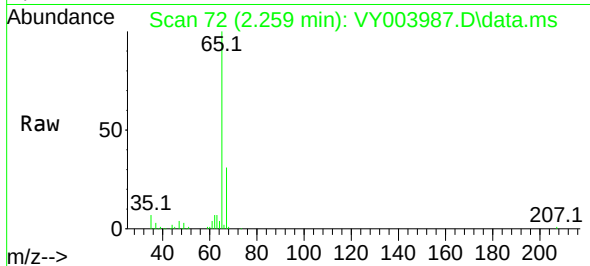
#5
 Vinyl chloride
 Concen: 1.13 ug/L
 RT: 2.259 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VY003987.D
 Acq: 05 Feb 2021 14:28

Tgt Ion: 62 Resp: 5237
 Ion Ratio Lower Upper
 62 100
 64 51.5 21.9 40.7#

Instrument :
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 ClientSampleId :
 MDL-SOIL-QT1-2021-01

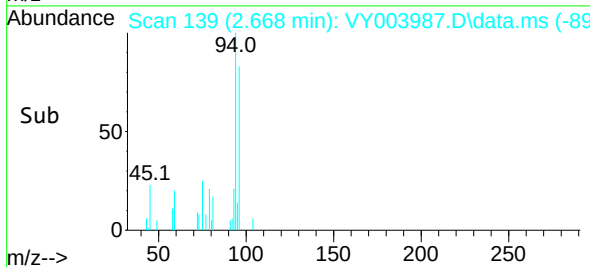
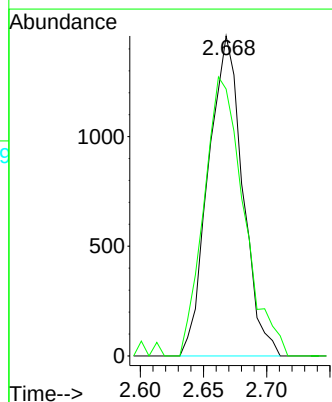
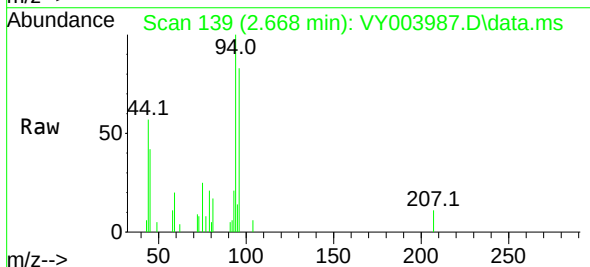
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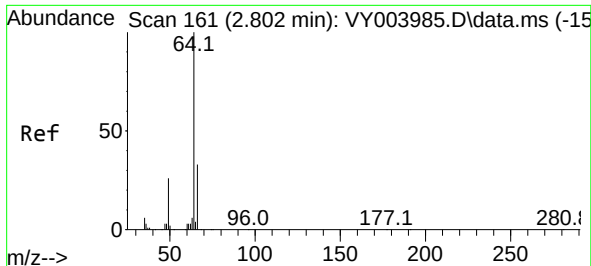
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#6
 Bromomethane
 Concen: 1.00 ug/L
 RT: 2.668 min Scan# 139
 Delta R.T. 0.006 min
 Lab File: VY003987.D
 Acq: 05 Feb 2021 14:28

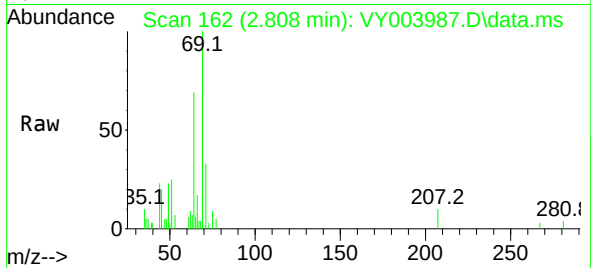
Tgt Ion: 94 Resp: 2751
 Ion Ratio Lower Upper
 94 100
 96 83.4 65.2 121.0





#8
Chloroethane
Concen: 0.97 ug/L
RT: 2.808 min Scan# 162
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

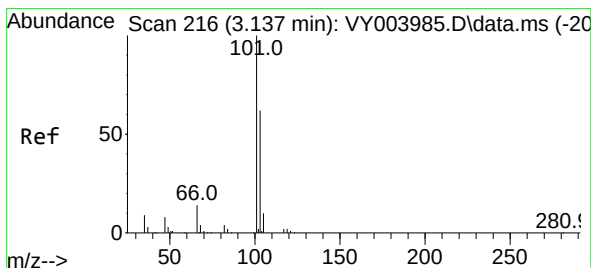
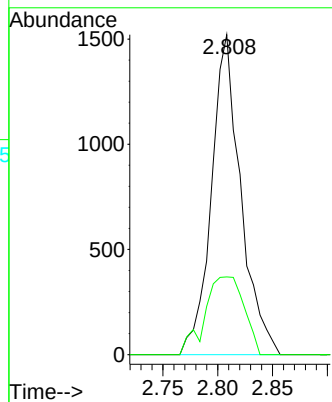
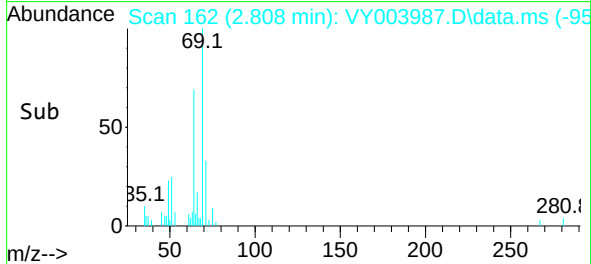
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01



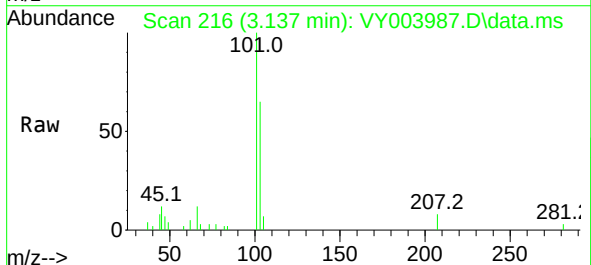
Tgt Ion: 64 Resp: 2827
Ion Ratio Lower Upper
64 100
66 24.3 22.2 41.2

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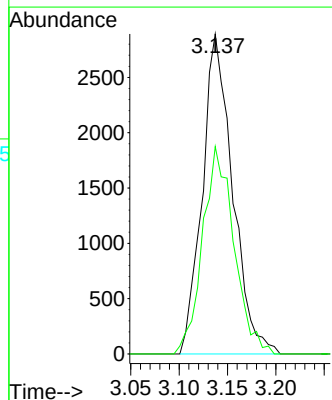
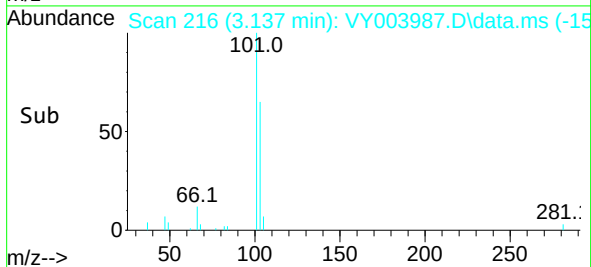
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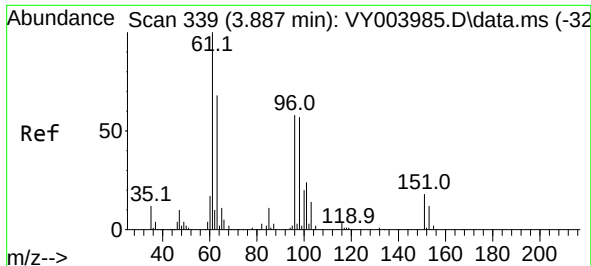


#9
Trichlorofluoromethane
Concen: 1.11 ug/L
RT: 3.137 min Scan# 216
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



Tgt Ion: 101 Resp: 6302
Ion Ratio Lower Upper
101 100
103 67.0 51.9 77.9





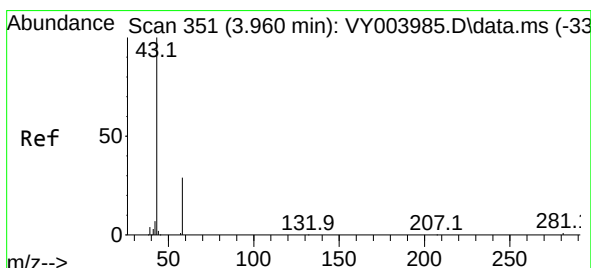
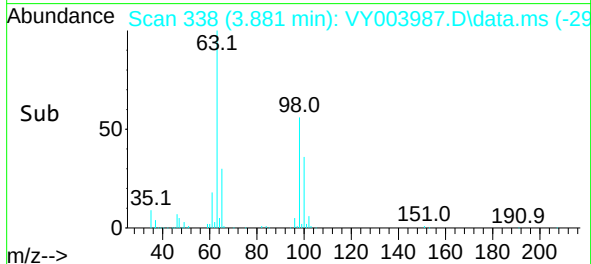
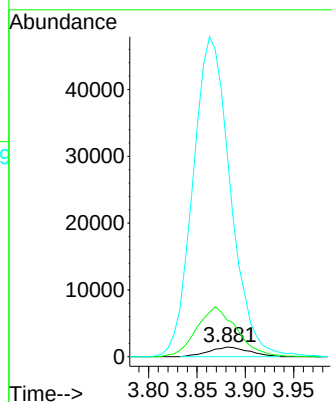
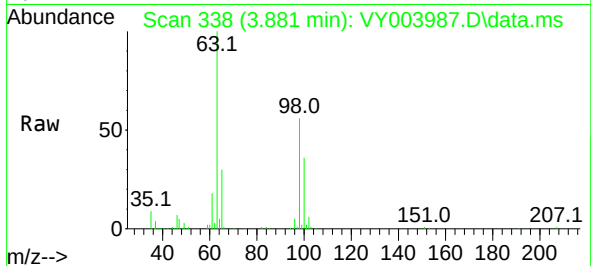
#12
1,1-Dichloroethene
Concen: 1.33 ug/L
RT: 3.881 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 96 Resp: 4143
Ion Ratio Lower Upper
96 100
61 384.0 106.1 197.1#
63 2150.0 62.9 116.9#

Instrument :
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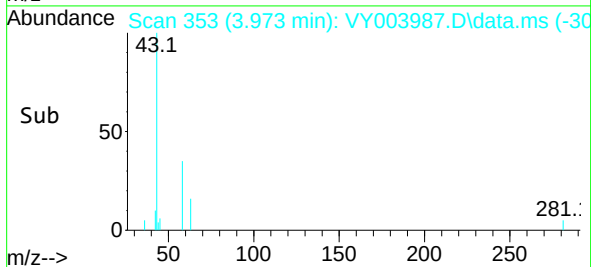
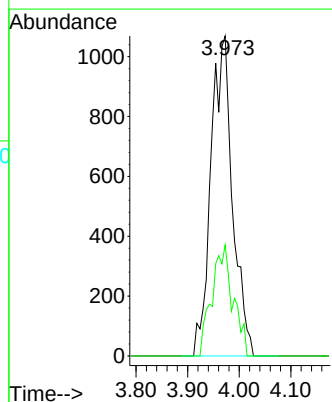
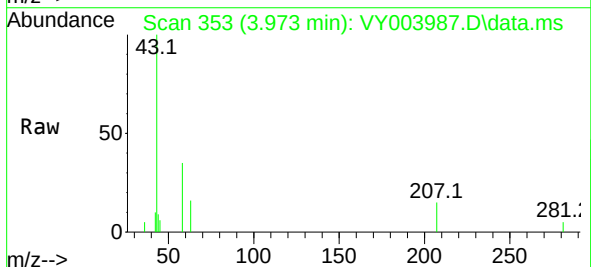
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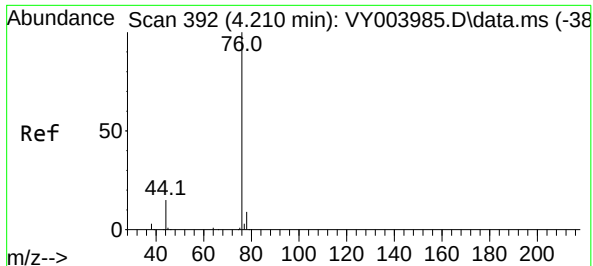
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#13
Acetone
Concen: 2.91 ug/L m
RT: 3.973 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 43 Resp: 3103
Ion Ratio Lower Upper
43 100
58 11.2 0.0 61.6





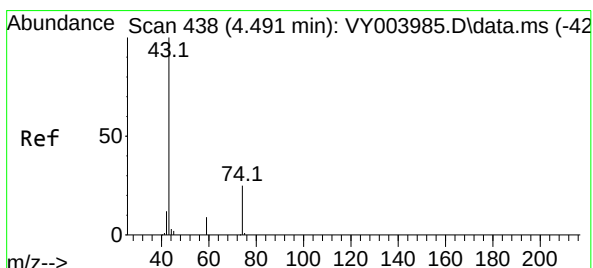
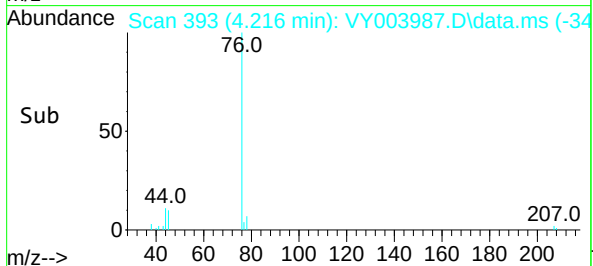
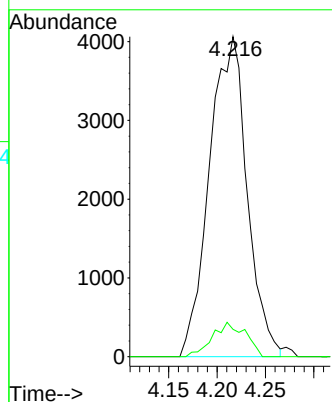
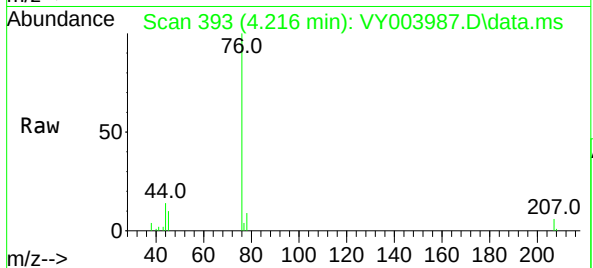
#14
Carbon disulfide
Concen: 1.03 ug/L
RT: 4.216 min Scan# 393
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 76 Resp: 11005
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

Instrument :
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MDL-SOIL-QT1-2021-01

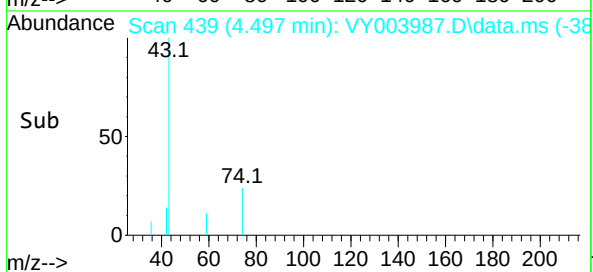
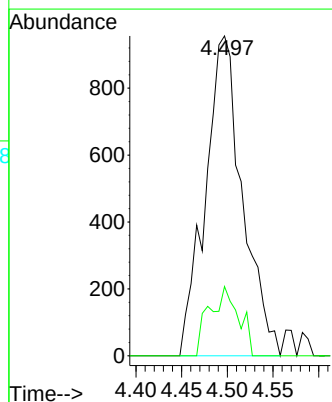
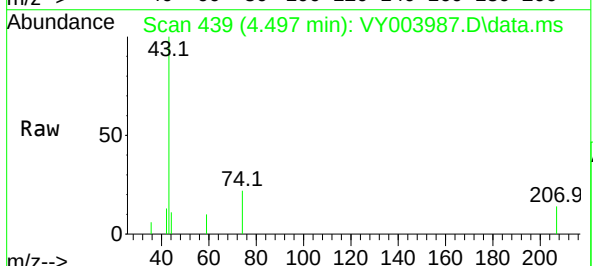
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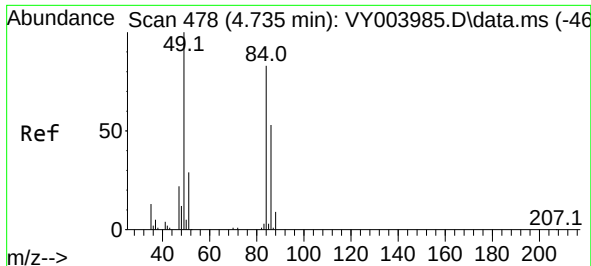
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2/8/2021 11:34:59 AM



#15
Methyl Acetate
Concen: 1.09 ug/L
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

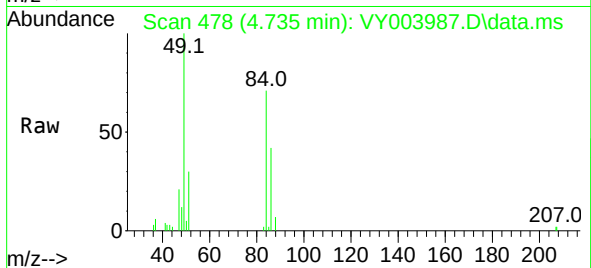
Tgt Ion: 43 Resp: 2706
Ion Ratio Lower Upper
43 100
74 9.8 18.2 27.2#





#16
Methylene chloride
Concen: 2.27 ug/L
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

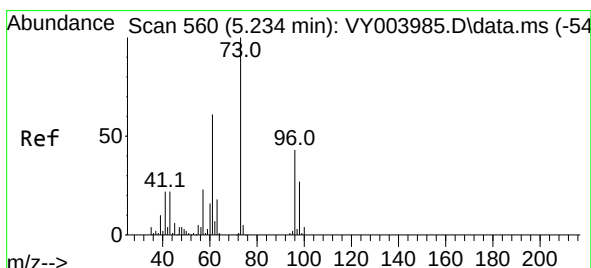
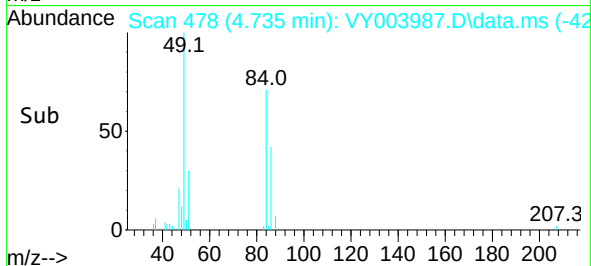
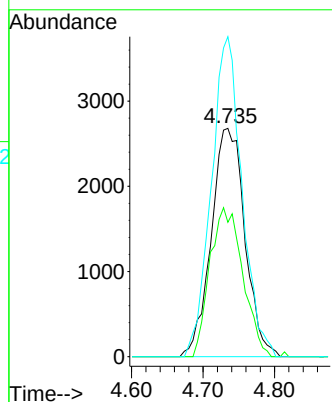
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion:	84	Resp:	8761
Ion	Ratio	Lower	Upper
84	100		
86	58.8	43.3	80.3
49	140.1	85.3	158.5

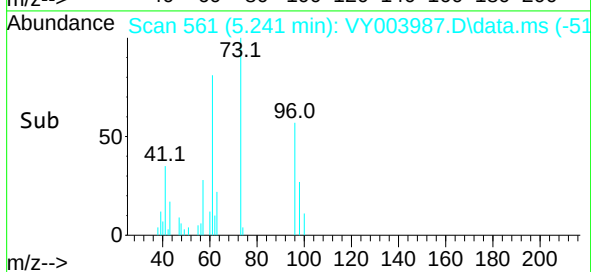
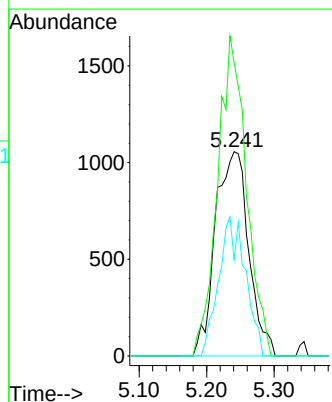
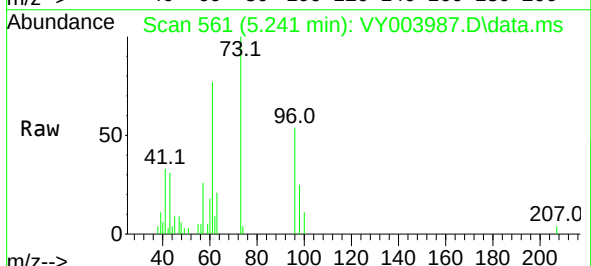
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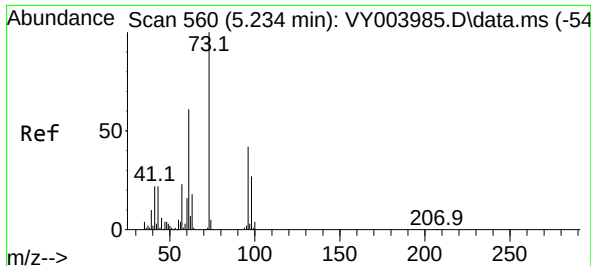
MMDadoda
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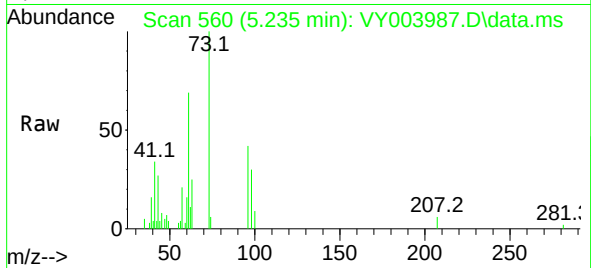
#17
trans-1,2-Dichloroethene
Concen: 1.11 ug/L m
RT: 5.241 min Scan# 561
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:	96	Resp:	3626
Ion	Ratio	Lower	Upper
96	100		
61	143.6	89.5	166.1
98	47.1	45.5	84.5

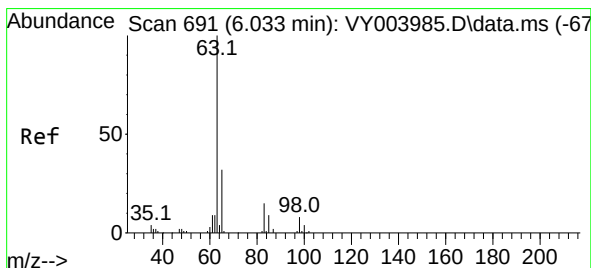
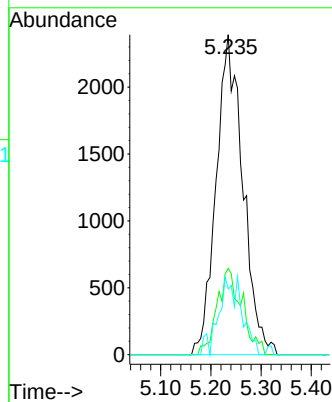
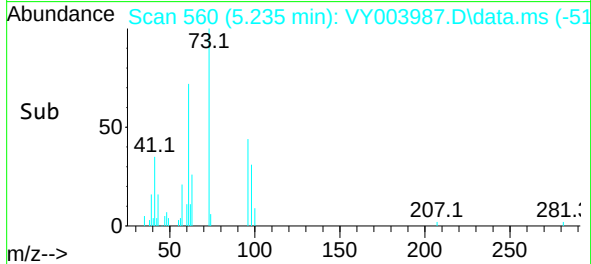




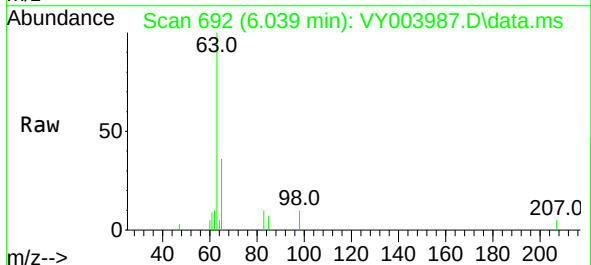
#18
Methyl tert-butyl Ether
Concen: 0.96 ug/L m
RT: 5.235 min Scan# 560
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



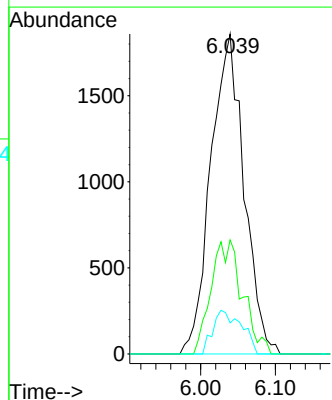
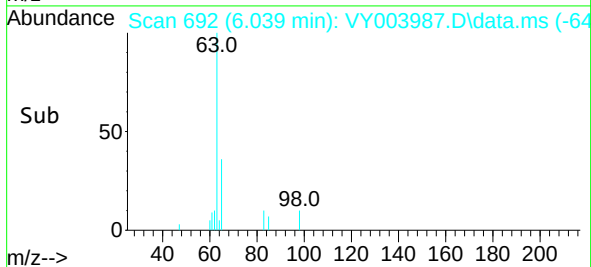
Tgt Ion:	73	Resp:	8828
Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.2	22.8
57	12.7	18.1	27.1#



#19
1,1-Dichloroethane
Concen: 0.94 ug/L
RT: 6.039 min Scan# 692
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



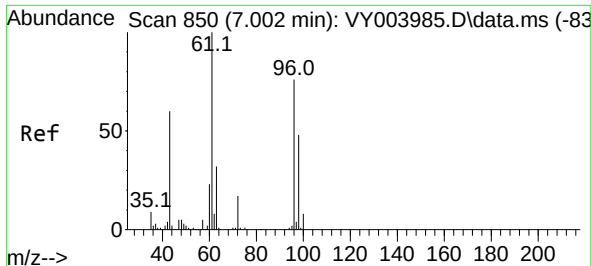
Tgt Ion:	63	Resp:	5733
Ion	Ratio	Lower	Upper
63	100		
65	35.7	21.9	40.7
83	9.7	9.5	17.7



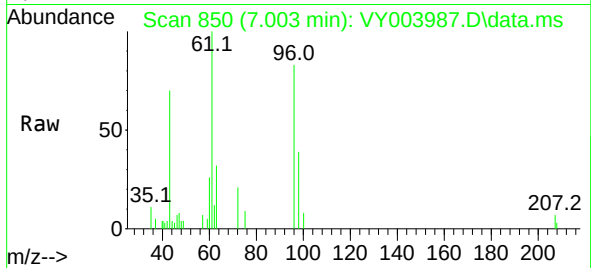
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01

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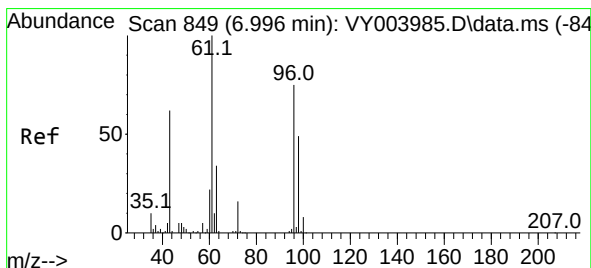
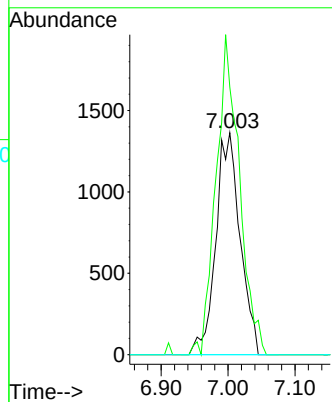
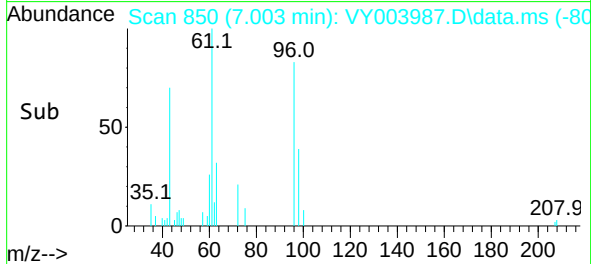
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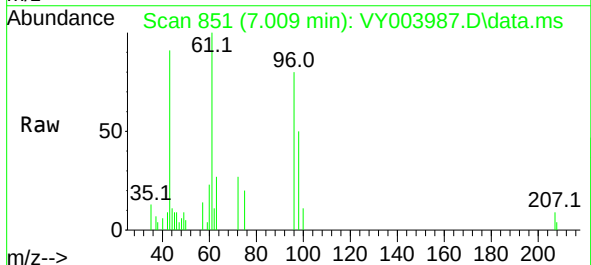
#20
cis-1,2-Dichloroethene
Concen: 1.00 ug/L m
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY003987.D
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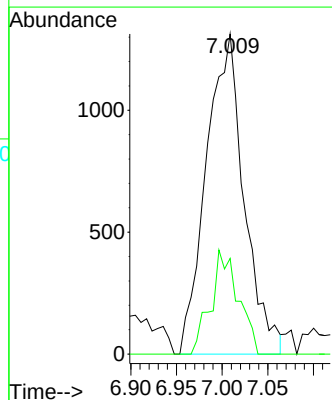
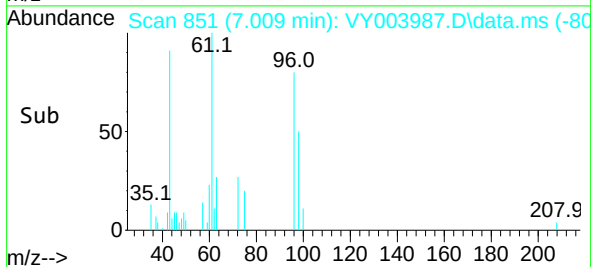
Tgt Ion: 96 Resp: 3421
Ion Ratio Lower Upper
96 100
61 120.7 85.8 159.4
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 2.33 ug/L
RT: 7.009 min Scan# 851
Delta R.T. 0.013 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



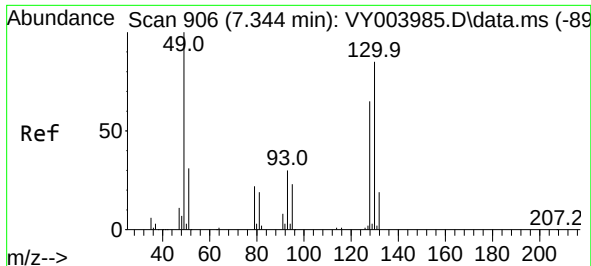
Tgt Ion: 43 Resp: 3774
Ion Ratio Lower Upper
43 100
72 19.8 13.5 40.5



Instrument :
MSVOA_Y
ClientSampleId :
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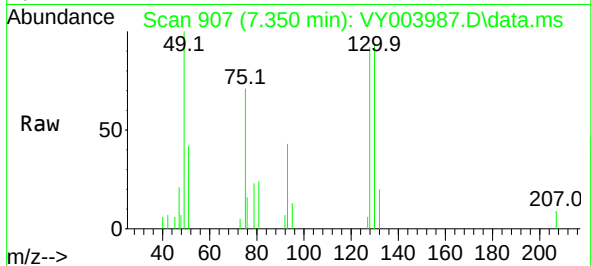
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#23
Bromochloromethane
Concen: 1.00 ug/L
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

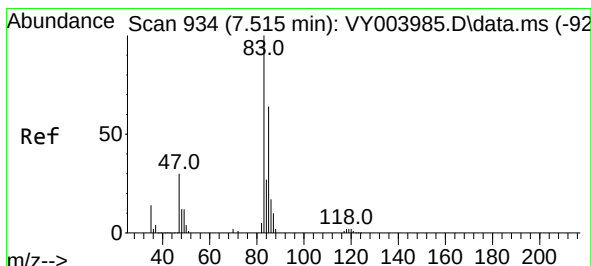
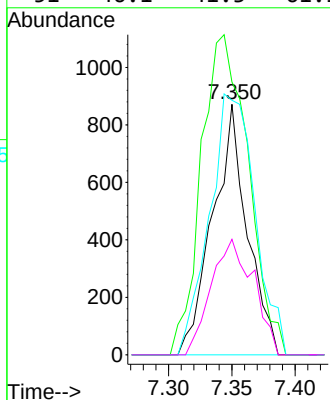
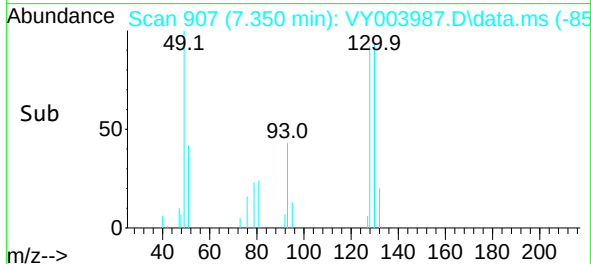
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01



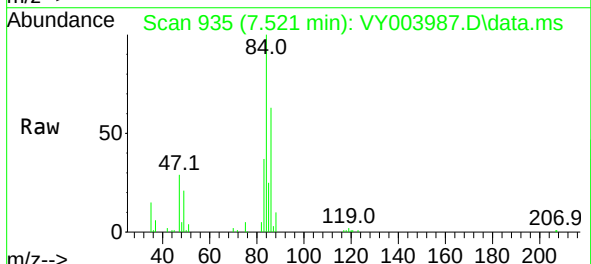
Tgt Ion:128 Resp: 1654
Ion Ratio Lower Upper
128 100
49 108.8 118.1 219.3#
130 101.6 90.5 168.1
51 46.1 41.3 61.9

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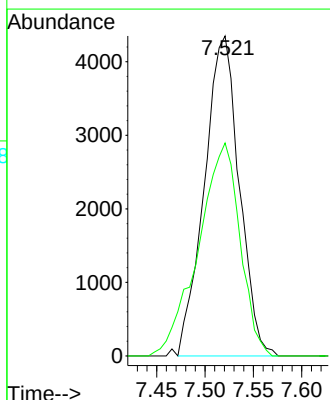
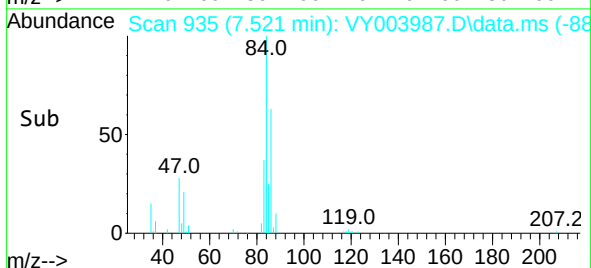
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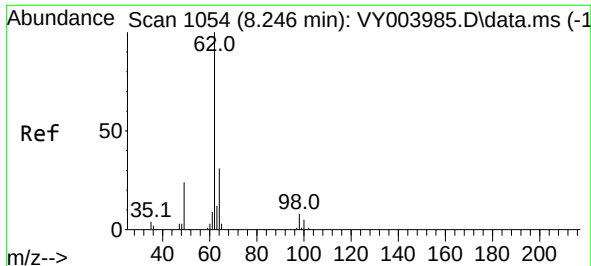


#25
Chloroform
Concen: 1.78 ug/L
RT: 7.521 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



Tgt Ion: 83 Resp: 10929
Ion Ratio Lower Upper
83 100
85 66.5 44.4 82.4





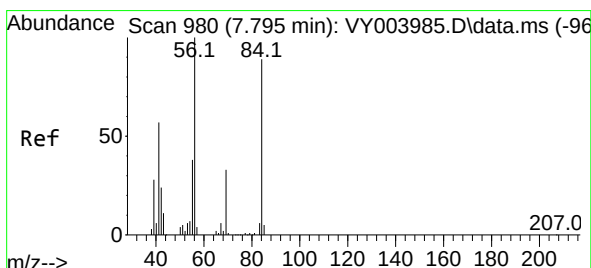
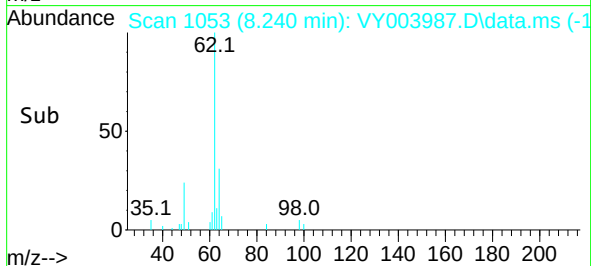
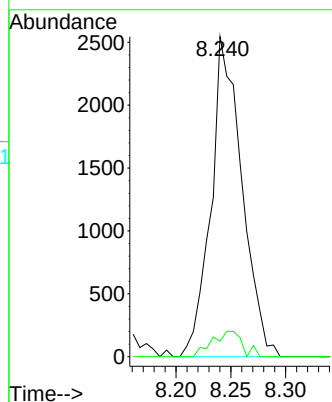
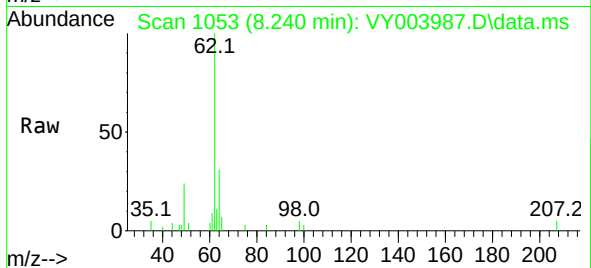
#27
1,2-Dichloroethane
Concen: 1.09 ug/L
RT: 8.240 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 62 Resp: 4995
Ion Ratio Lower Upper
62 100
98 4.9 7.5 11.3#

Instrument :
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ClientSampleId :
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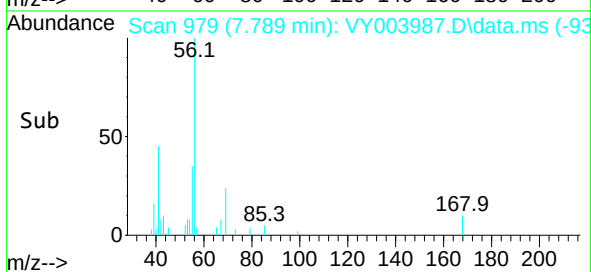
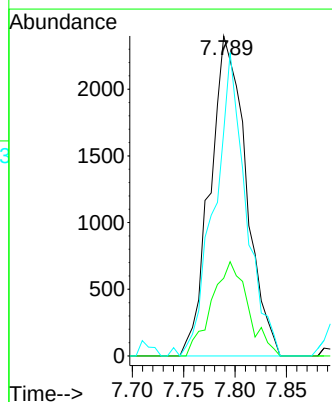
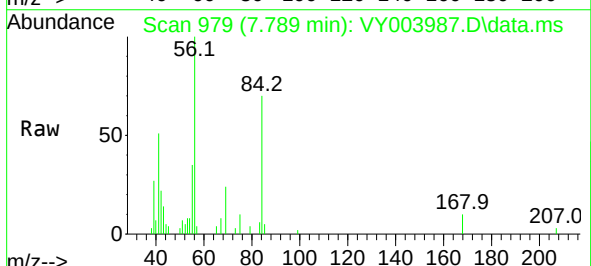
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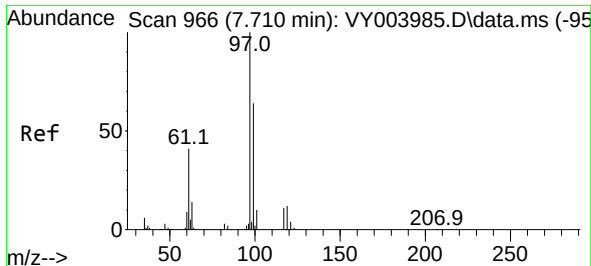
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#29
Cyclohexane
Concen: 1.00 ug/L
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 56 Resp: 5841
Ion Ratio Lower Upper
56 100
69 29.8 23.9 35.9
84 82.7 71.9 107.9





#30

1,1,1-Trichloroethane

Concen: 1.06 ug/L

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY003987.D

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Tgt Ion:	97	Resp:	5822
Ion	Ratio	Lower	Upper
97	100		
99	37.8	50.6	76.0#
61	45.7	34.3	51.5

Instrument :

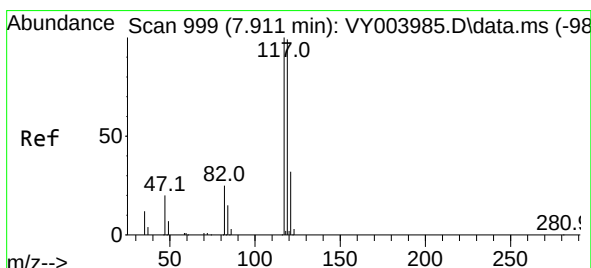
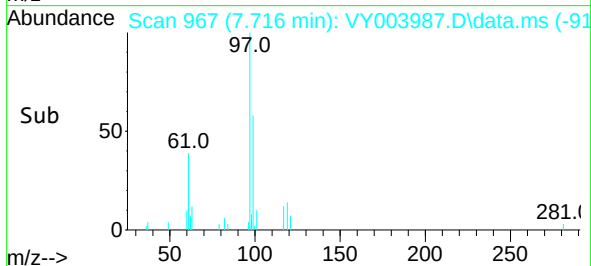
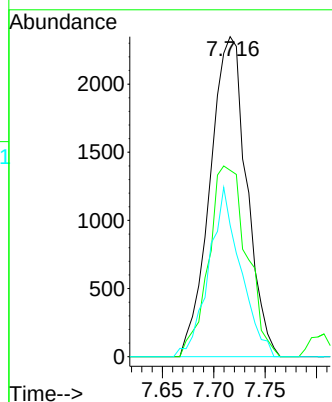
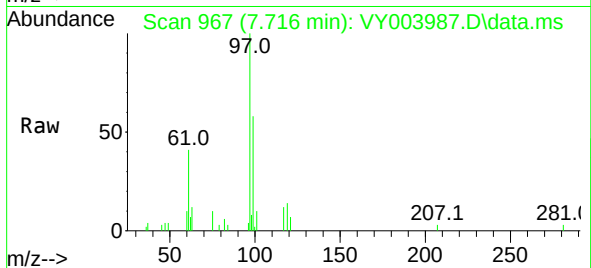
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ClientSampleId :

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#31

Carbon tetrachloride

Concen: 1.04 ug/L

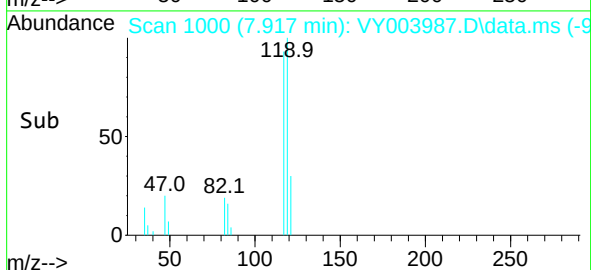
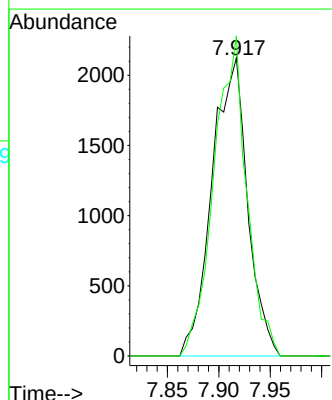
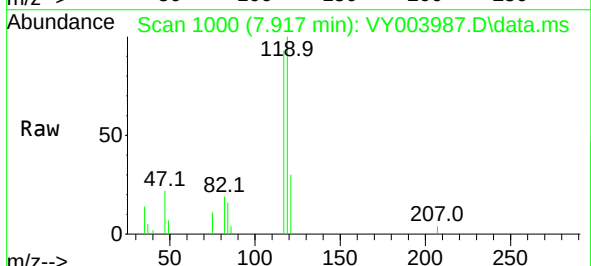
RT: 7.917 min Scan# 1000

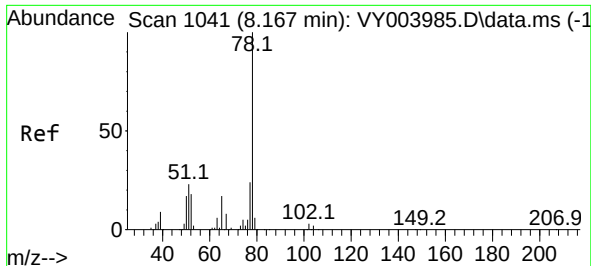
Delta R.T. 0.006 min

Lab File: VY003987.D

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Tgt Ion:	117	Resp:	5105
Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.7	116.5





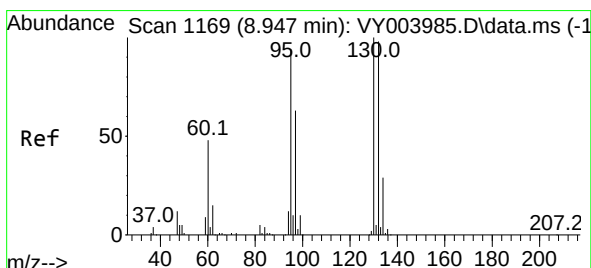
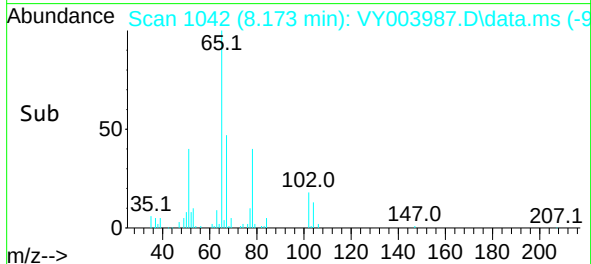
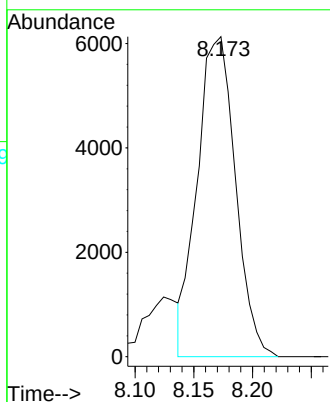
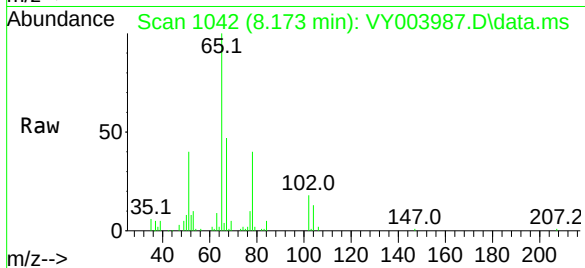
#33
Benzene
Concen: 1.05 ug/L
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 78 Resp: 13822

Instrument :
MSVOA_Y
ClientSampleId :
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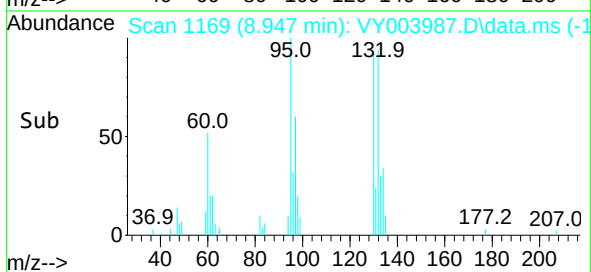
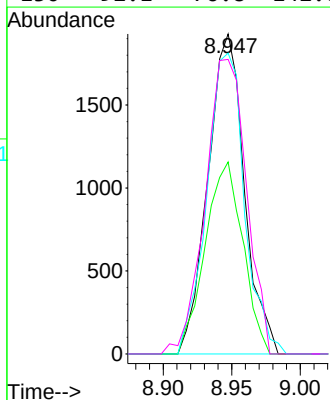
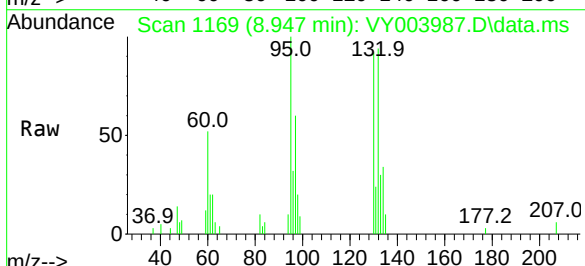
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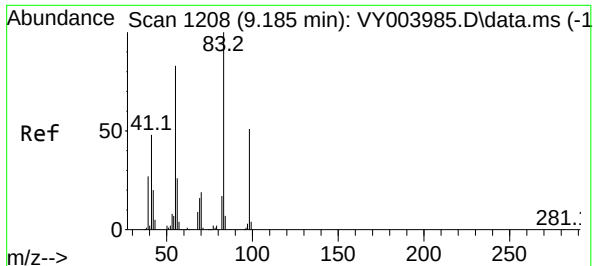


#34
Trichloroethene
Concen: 1.02 ug/L
RT: 8.947 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

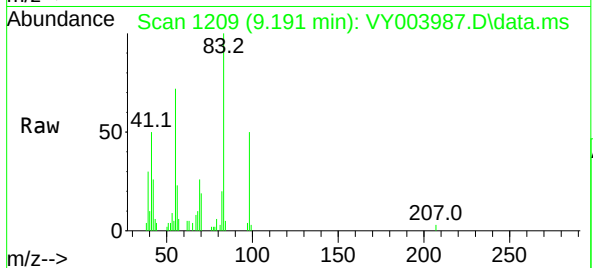
Tgt Ion: 95 Resp: 3569

Ion	Ratio	Lower	Upper
95	100		
97	60.0	44.7	83.1
132	94.0	74.7	138.7
130	92.1	76.8	142.6



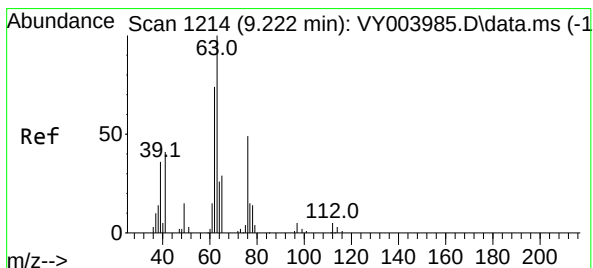
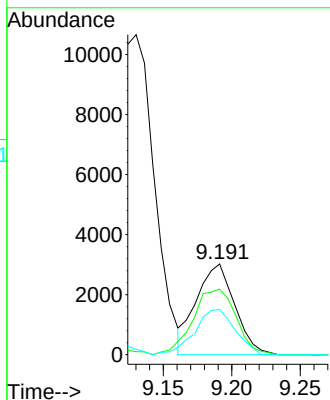
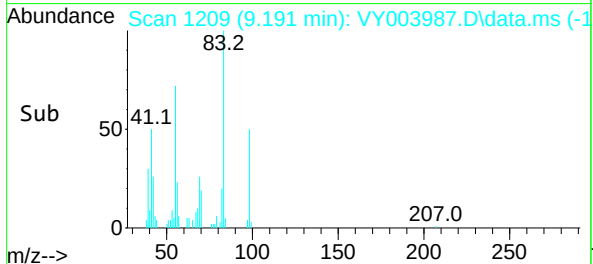


#35
Methylcyclohexane
Concen: 1.01 ug/L
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

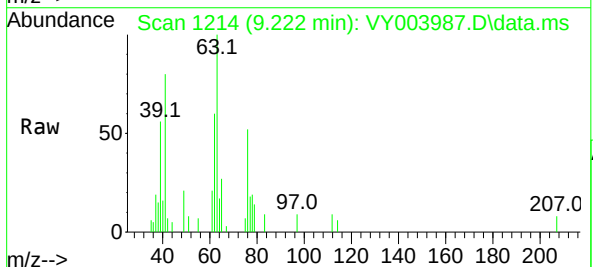


Tgt Ion: 83 Resp: 5902

Ion	Ratio	Lower	Upper
83	100		
55	81.0	58.3	87.5
98	52.2	39.0	58.6

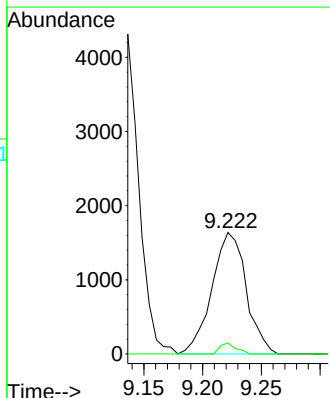
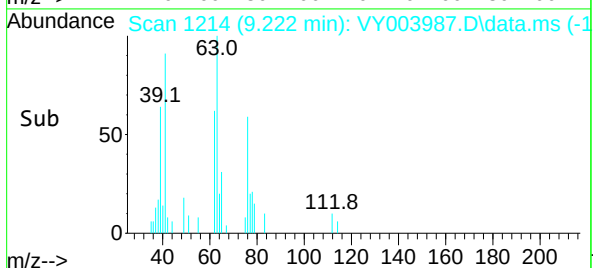


#37
1,2-Dichloropropane
Concen: 0.94 ug/L
RT: 9.222 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



Tgt Ion: 63 Resp: 3335

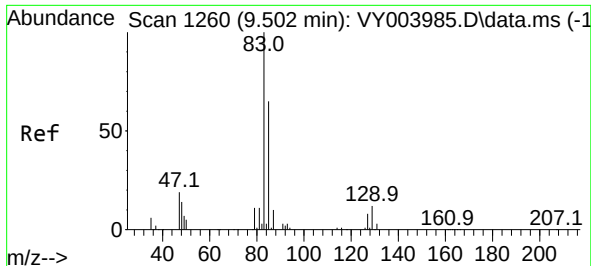
Ion	Ratio	Lower	Upper
63	100		
112	4.3	3.7	5.5



Instrument :
MSVOA_Y
ClientSampleId :
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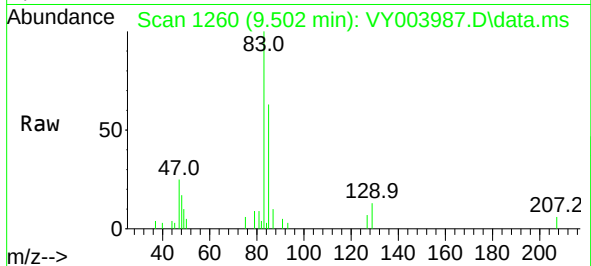
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#38
Bromodichloromethane
Concen: 1.00 ug/L
RT: 9.502 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

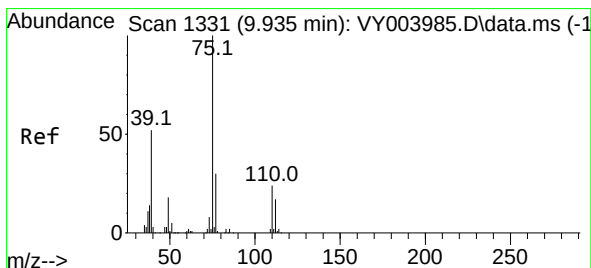
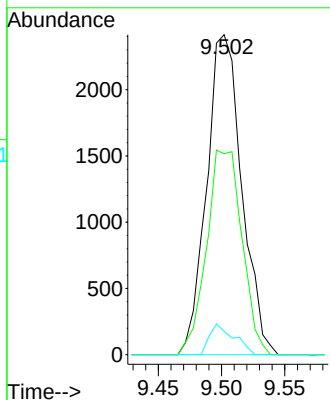
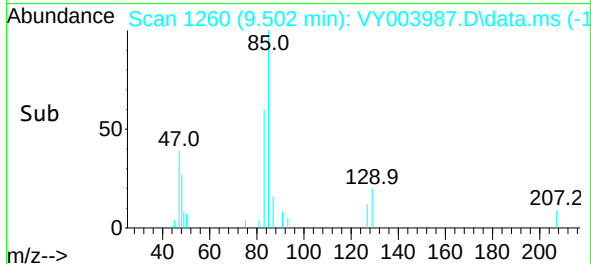
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01



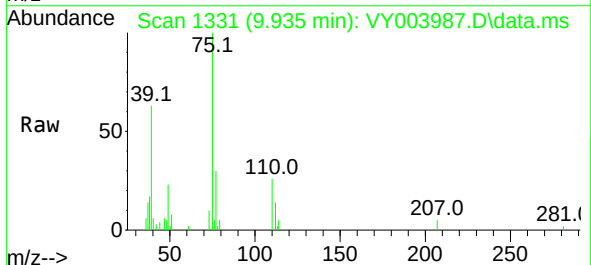
Tgt Ion: 83 Resp: 4667
Ion Ratio Lower Upper
83 100
85 62.8 43.1 80.1
127 7.3 7.1 10.7

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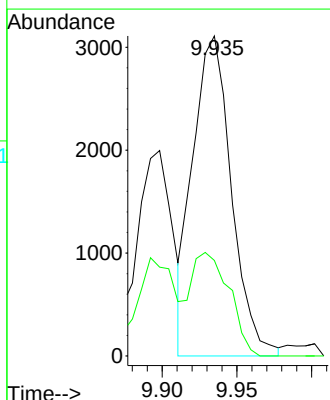
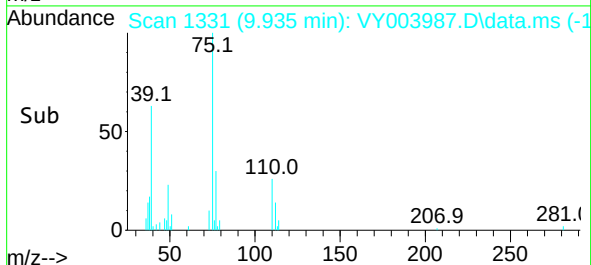
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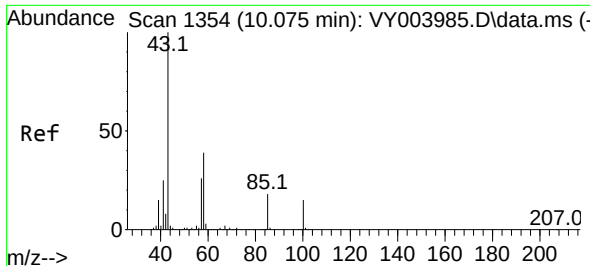


#39
cis-1,3-Dichloropropene
Concen: 1.01 ug/L
RT: 9.935 min Scan# 1331
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

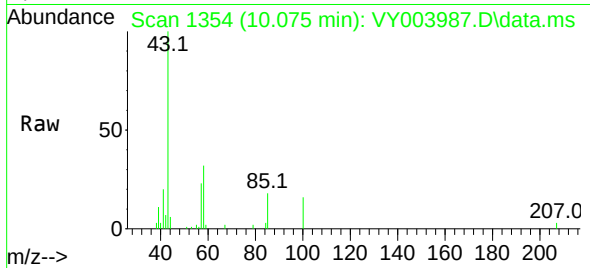


Tgt Ion: 75 Resp: 5579
Ion Ratio Lower Upper
75 100
77 29.8 23.5 43.7

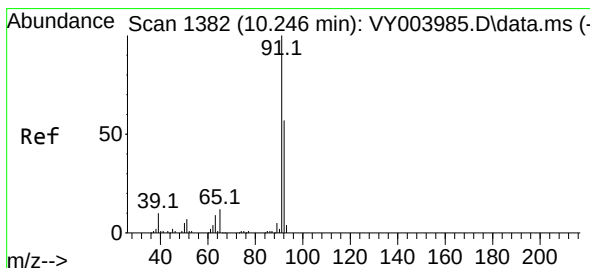
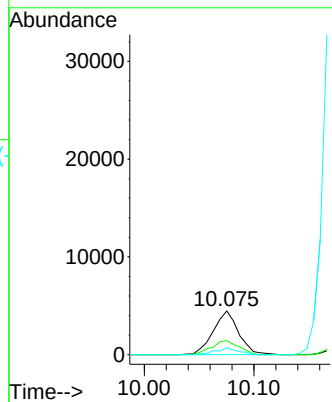
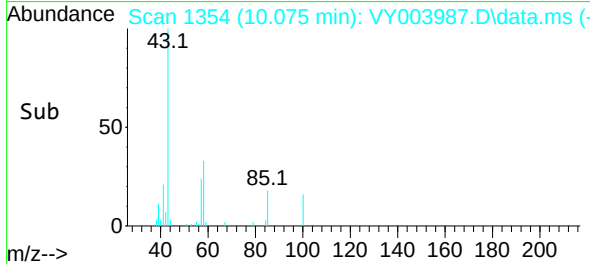




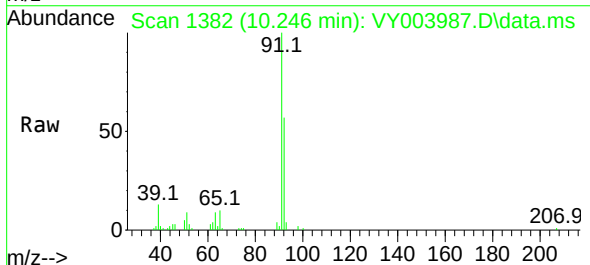
#40
4-Methyl-2-pentanone
Concen: 2.09 ug/L
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



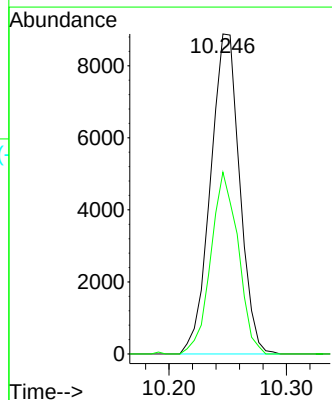
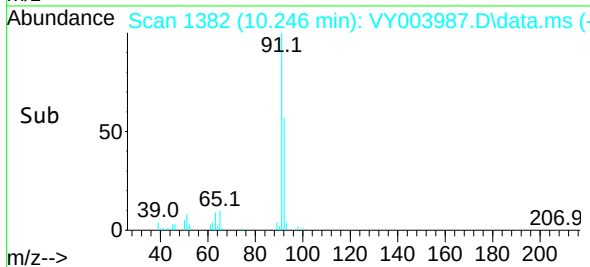
Tgt Ion: 43 Resp: 7195
Ion Ratio Lower Upper
43 100
58 34.5 30.7 46.1
100 14.0 12.1 18.1



#42
Toluene
Concen: 1.06 ug/L
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



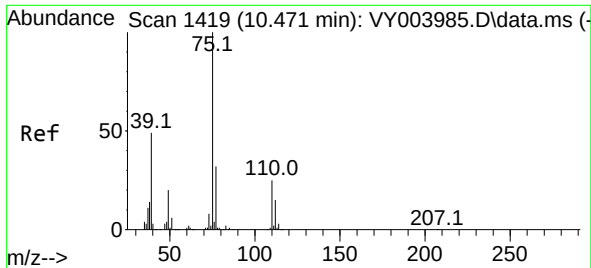
Tgt Ion: 91 Resp: 15334
Ion Ratio Lower Upper
91 100
92 56.8 40.1 74.5



Instrument :
MSVOA_Y
ClientSampleId :
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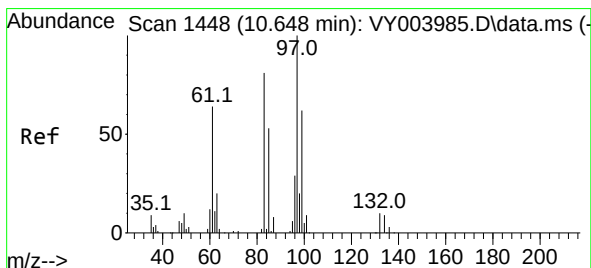
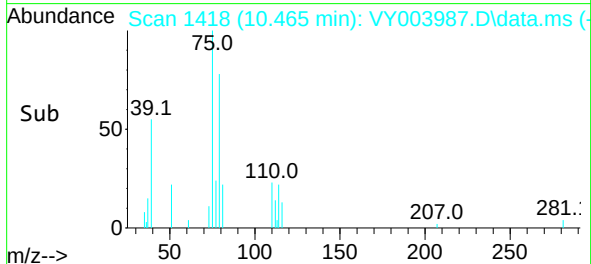
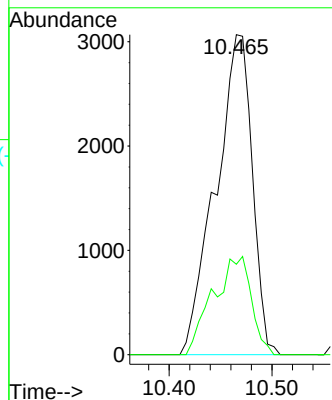
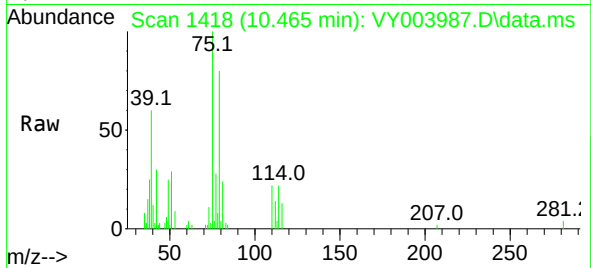
#44
trans-1,3-Dichloropropene
Concen: 1.47 ug/L
RT: 10.465 min Scan# 1418
Delta R.T. -0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 75 Resp: 7587
Ion Ratio Lower Upper
75 100
77 28.3 22.9 42.5

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01

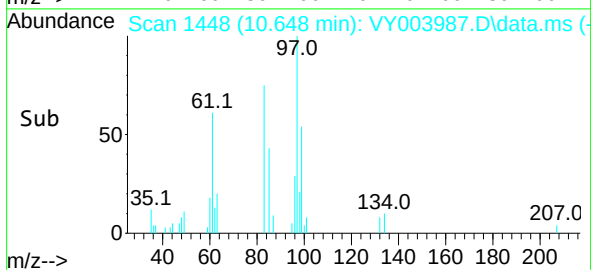
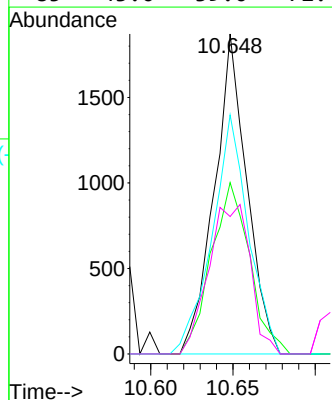
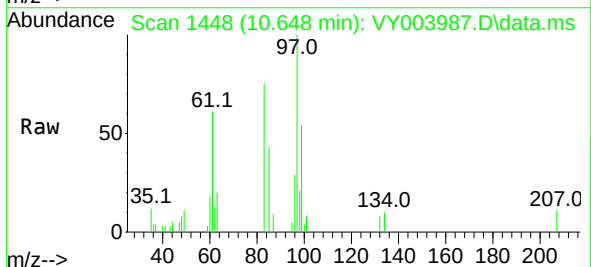
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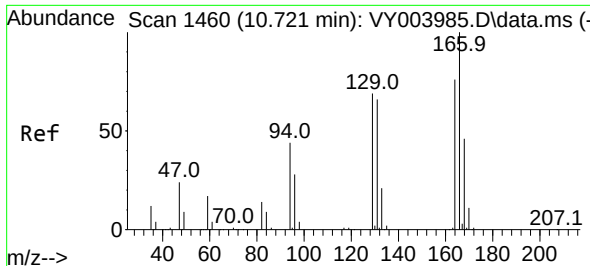
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#45
1,1,2-Trichloroethane
Concen: 0.96 ug/L
RT: 10.648 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

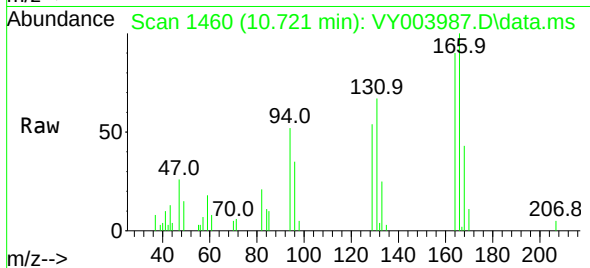
Tgt Ion: 97 Resp: 2579
Ion Ratio Lower Upper
97 100
99 53.6 45.1 83.9
83 74.7 59.7 110.9
85 43.0 39.0 72.4





#46
Tetrachloroethene
Concen: 1.10 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

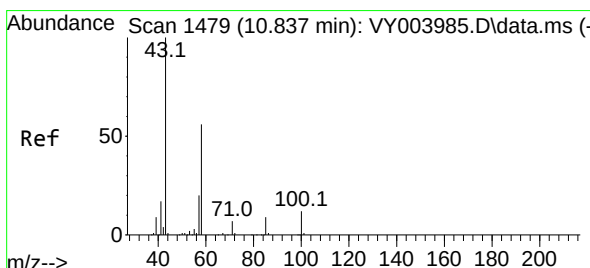
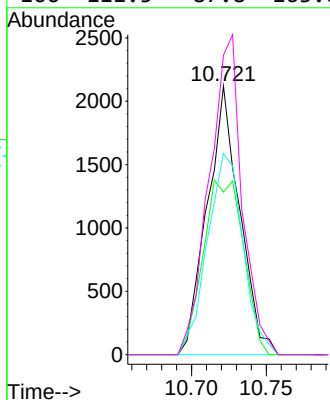
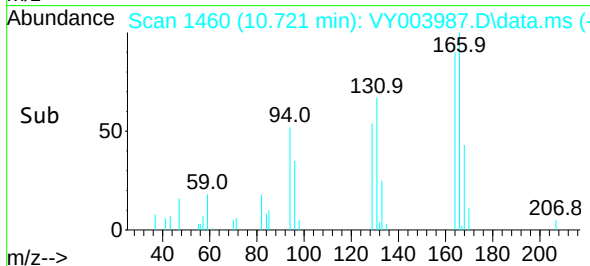
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01



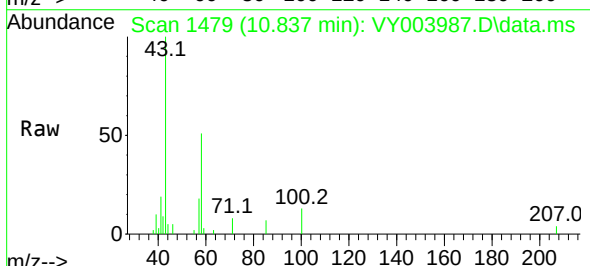
Tgt Ion:	164	Resp:	3202
Ion	Ratio	Lower	Upper
164	100		
129	60.5	58.9	109.5
131	74.9	59.0	109.6
166	111.5	87.8	163.0

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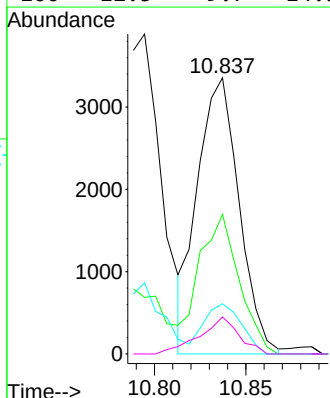
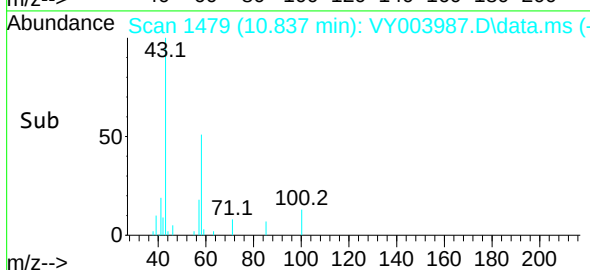
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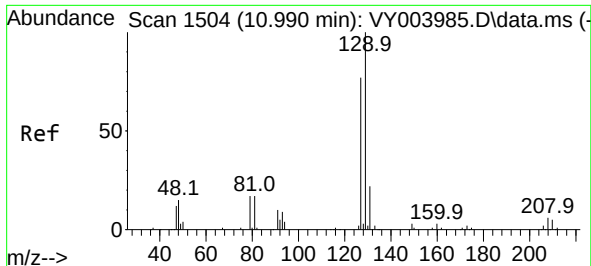


#48
2-Hexanone
Concen: 2.16 ug/L
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



Tgt Ion:	43	Resp:	5325
Ion	Ratio	Lower	Upper
43	100		
58	48.4	43.0	64.6
57	16.3	14.6	21.8
100	12.5	9.7	14.5





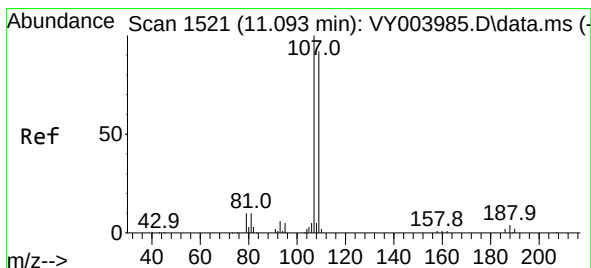
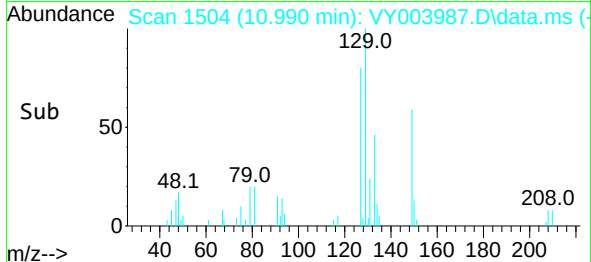
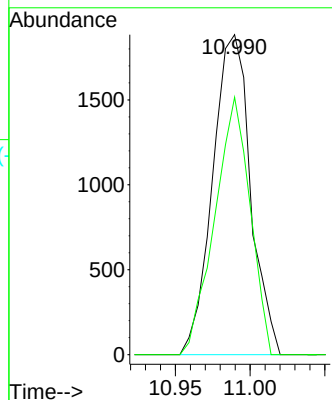
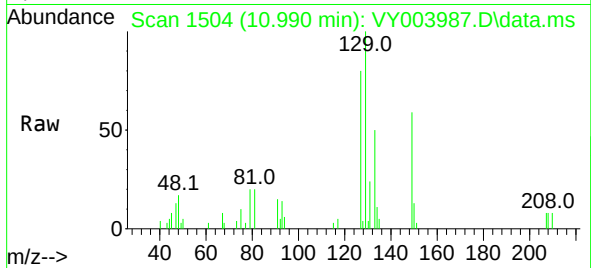
#49
Dibromochloromethane
Concen: 1.00 ug/L
RT: 10.990 min Scan# 1504
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:129 Resp: 3315
Ion Ratio Lower Upper
129 100
127 80.5 55.0 102.2

Instrument :
MSVOA_Y
ClientSampleId :
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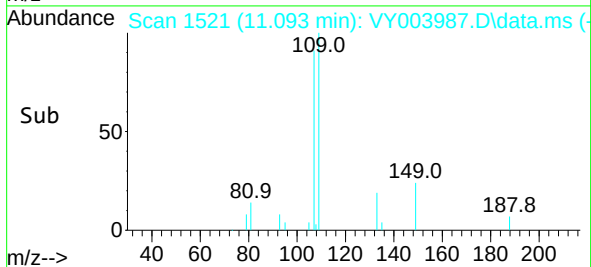
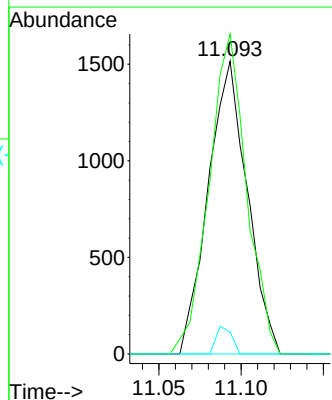
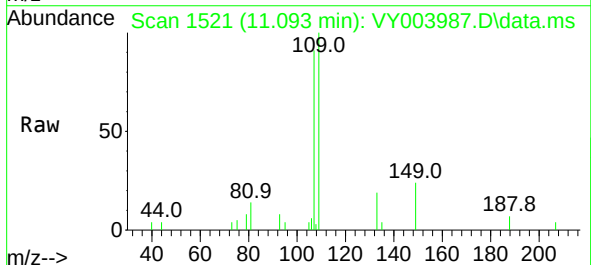
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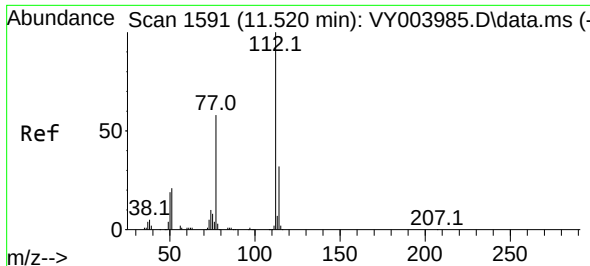
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#50
1,2-Dibromoethane
Concen: 0.95 ug/L
RT: 11.093 min Scan# 1521
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:107 Resp: 2504
Ion Ratio Lower Upper
107 100
109 109.3 65.5 121.7
188 7.5 3.8 5.8#





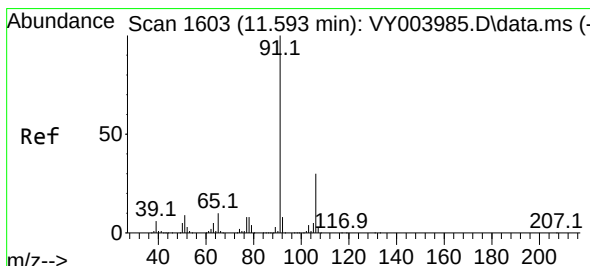
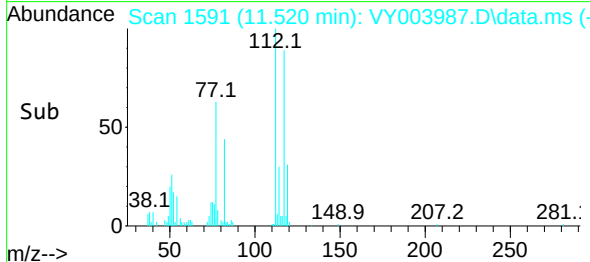
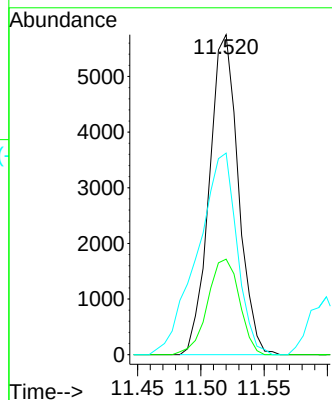
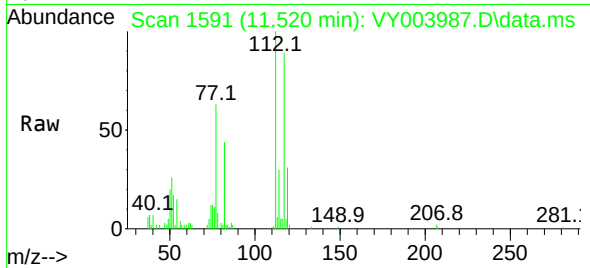
#51
Chlorobenzene
Concen: 1.02 ug/L
RT: 11.520 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:	112	Resp:	9175
Ion Ratio	Lower	Upper	
112	100		
114	29.8	22.2	41.2
77	63.0	43.8	65.6

Instrument :
MSVOA_Y
ClientSampleId :
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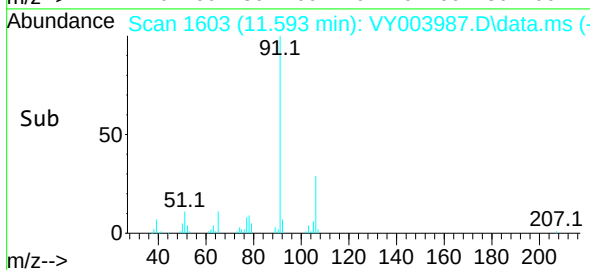
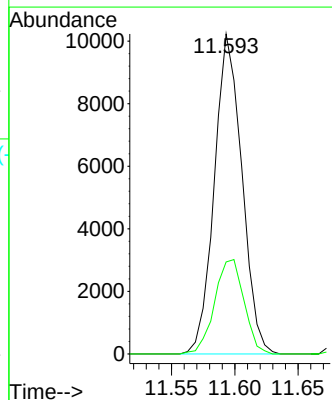
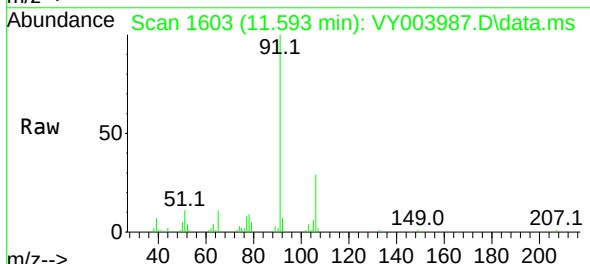
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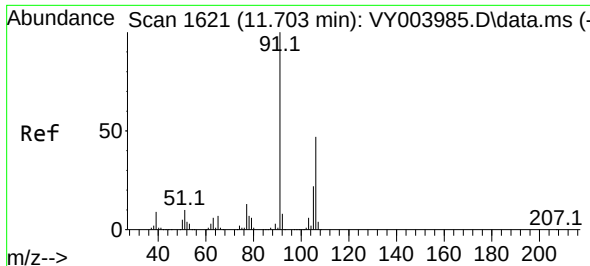
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#52
Ethylbenzene
Concen: 0.96 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

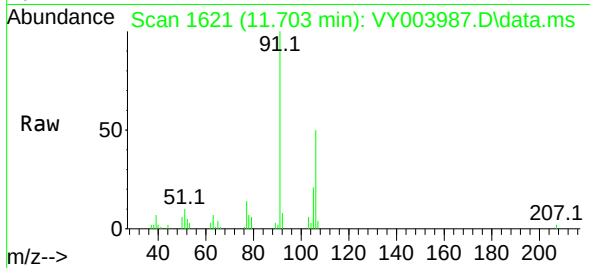
Tgt Ion:	91	Resp:	15492
Ion Ratio	Lower	Upper	
91	100		
106	28.8	22.8	42.4





#53
m,p-Xylene
Concen: 1.02 ug/L
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

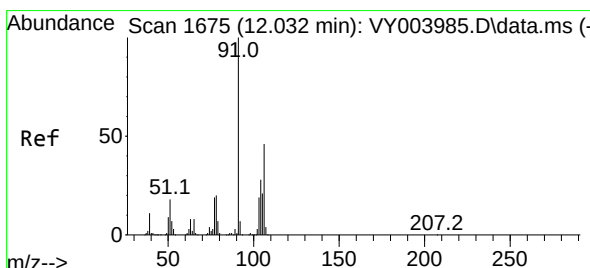
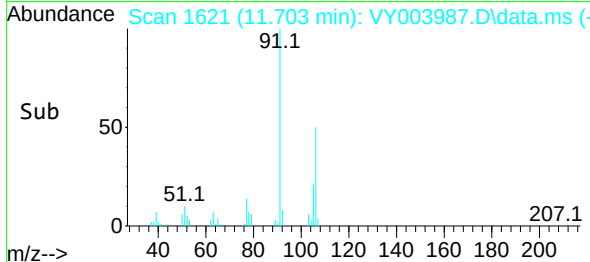
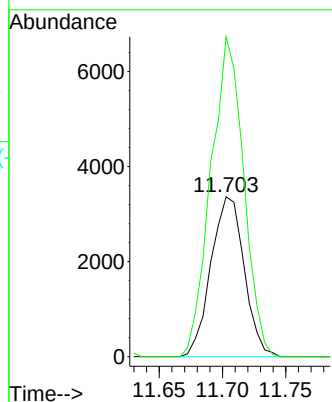
Instrument :
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ClientSampleId :
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Tgt Ion:106 Resp: 6150
Ion Ratio Lower Upper
106 100
91 200.1 133.1 247.3

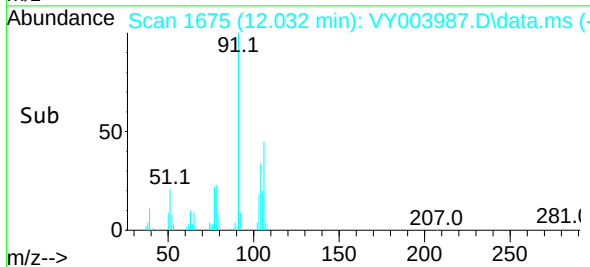
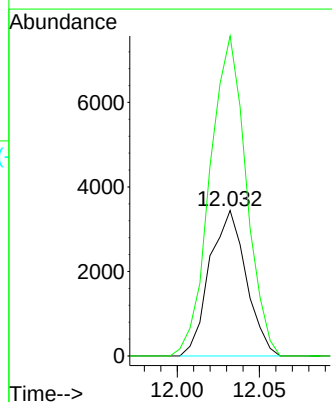
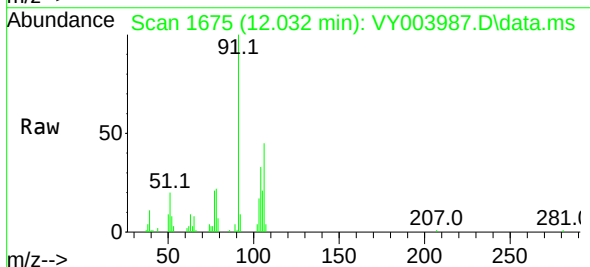
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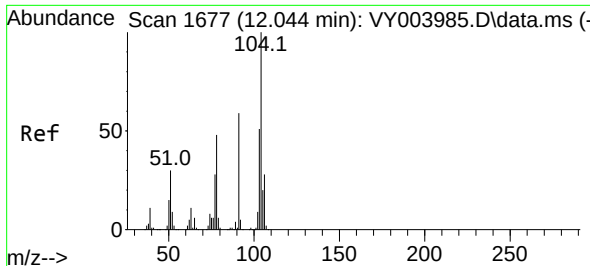
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#54
o-Xylene
Concen: 0.92 ug/L
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:106 Resp: 5314
Ion Ratio Lower Upper
106 100
91 219.9 144.1 267.5





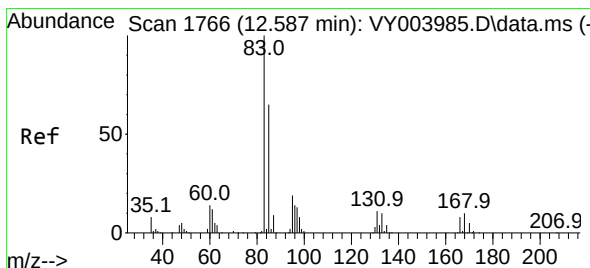
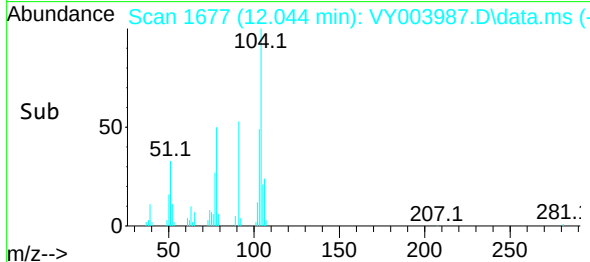
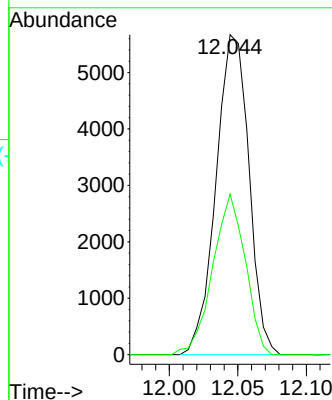
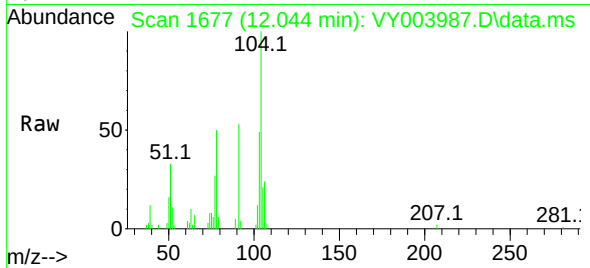
#55
Styrene
Concen: 0.95 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 104 Resp: 9487
Ion Ratio Lower Upper
104 100
78 50.2 27.6 51.4

Instrument :
MSVOA_Y
ClientSampleId :
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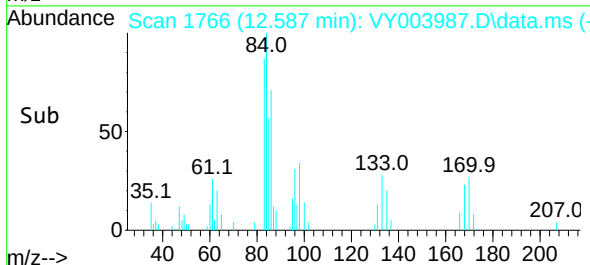
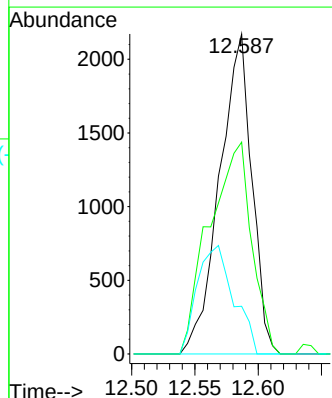
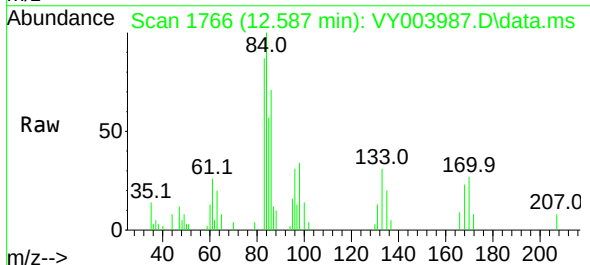
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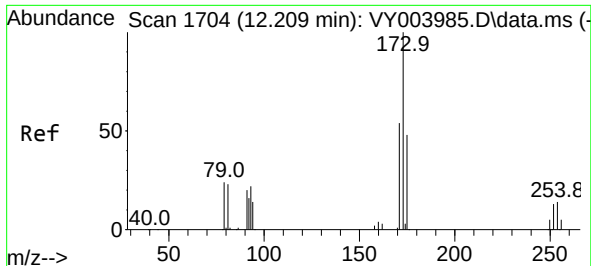
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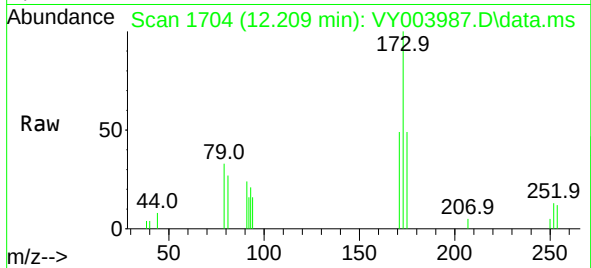
#57
1,1,2,2-Tetrachloroethane
Concen: 1.11 ug/L
RT: 12.587 min Scan# 1766
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion: 83 Resp: 3852
Ion Ratio Lower Upper
83 100
85 66.2 46.1 85.7
131 14.9 8.1 12.1#

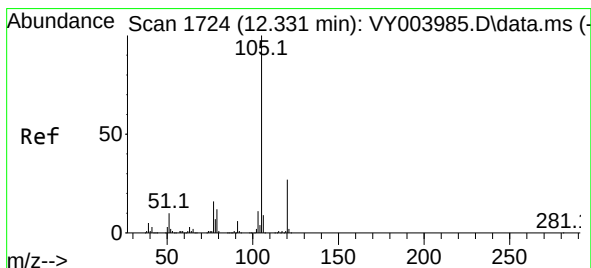
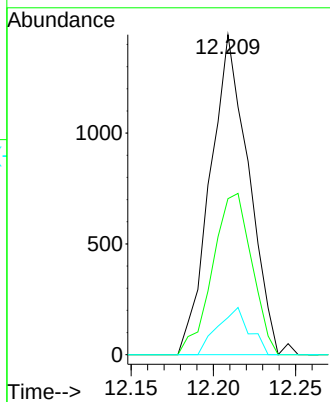
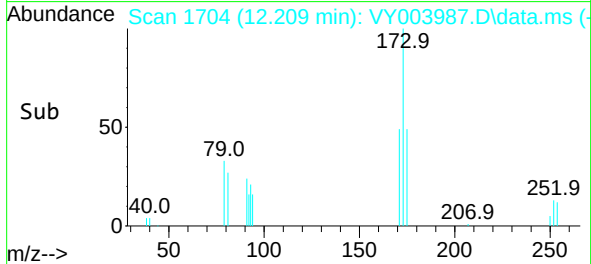




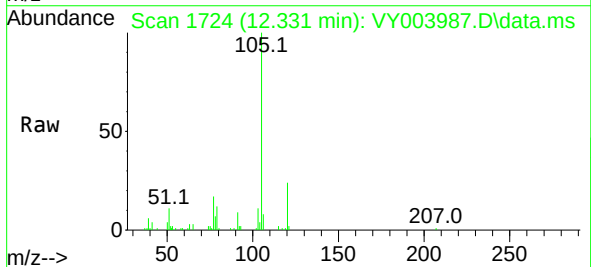
#59
Bromoform
Concen: 1.09 ug/L
RT: 12.209 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



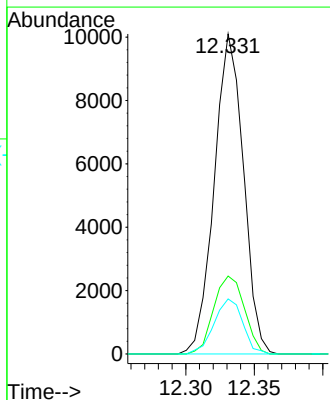
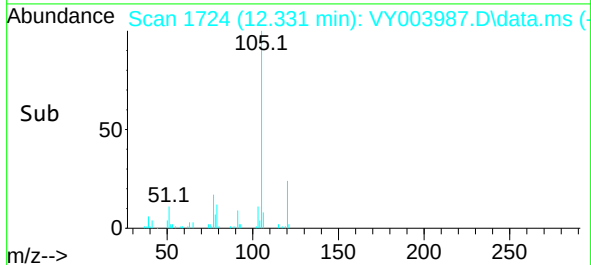
Tgt Ion:173 Resp: 2341
Ion Ratio Lower Upper
173 100
175 51.6 38.2 57.4
254 12.2 8.0 12.0#



#60
Isopropylbenzene
Concen: 1.01 ug/L
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



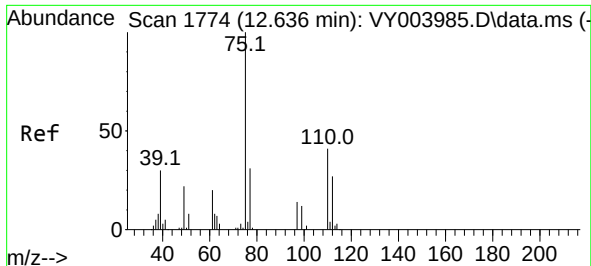
Tgt Ion:105 Resp: 14935
Ion Ratio Lower Upper
105 100
120 25.7 22.0 33.0
77 16.9 12.1 18.1



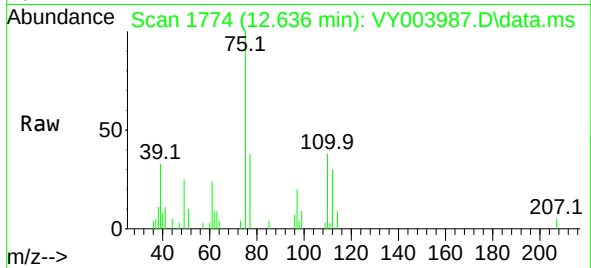
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01

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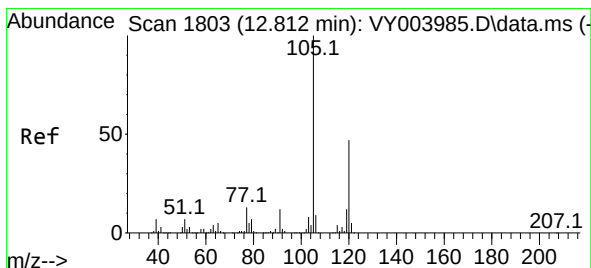
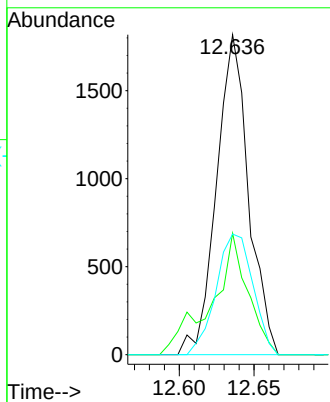
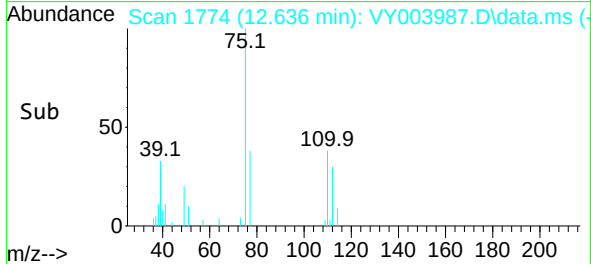
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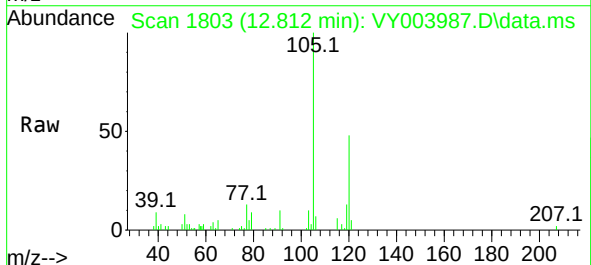
#61
1,2,3-Trichloropropane
Concen: 1.04 ug/L
RT: 12.636 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



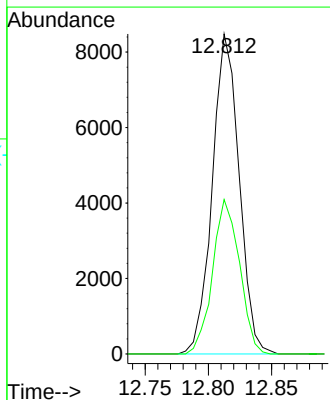
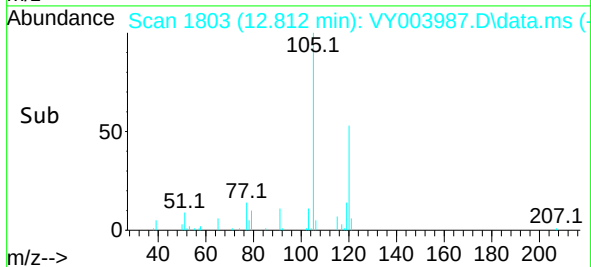
Tgt Ion: 75	Resp: 2704		
Ion Ratio	Lower	Upper	
75 100			
77 34.9	26.3	39.5	
110 43.3	33.0	49.4	



#62
1,3,5-Trimethylbenzene
Concen: 1.00 ug/L
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28



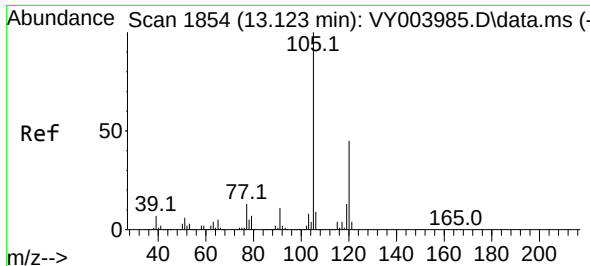
Tgt Ion:105	Resp:	12512	
Ion	Ratio	Lower	Upper
105	100		
120	48.4	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01

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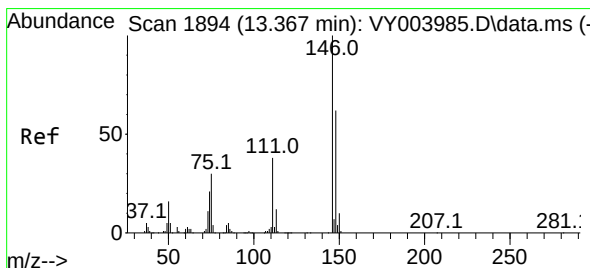
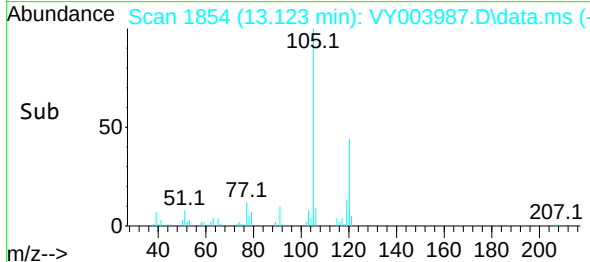
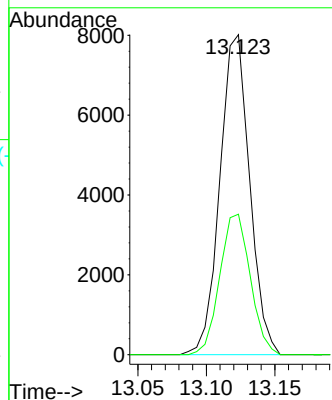
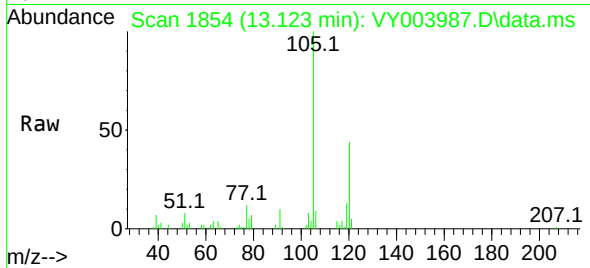
#63
1,2,4-Trimethylbenzene
Concen: 0.98 ug/L
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:105 Resp: 12117
Ion Ratio Lower Upper
105 100
120 44.9 38.0 57.0

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT1-2021-01

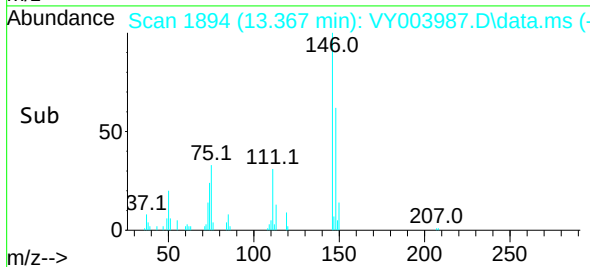
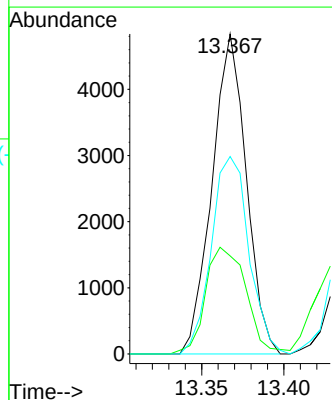
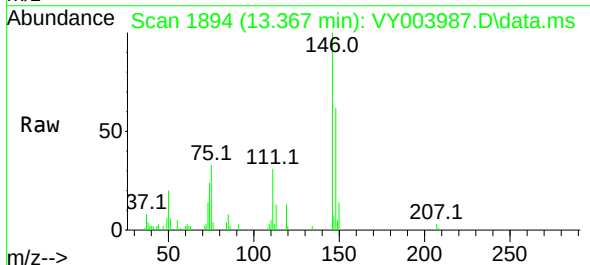
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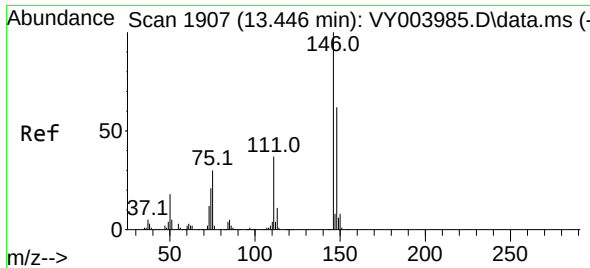
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#64
1,3-Dichlorobenzene
Concen: 1.03 ug/L
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:146 Resp: 7004
Ion Ratio Lower Upper
146 100
111 30.7 26.6 49.4
148 61.7 46.3 86.1





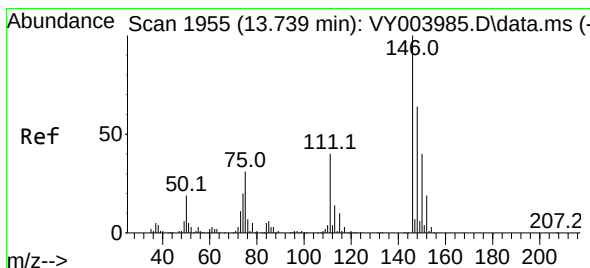
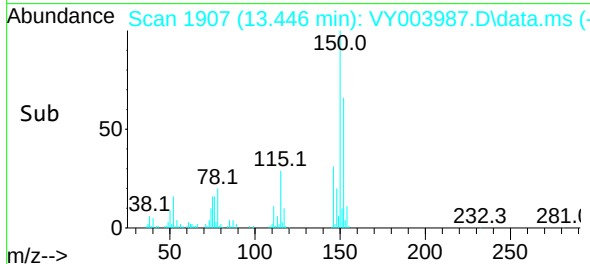
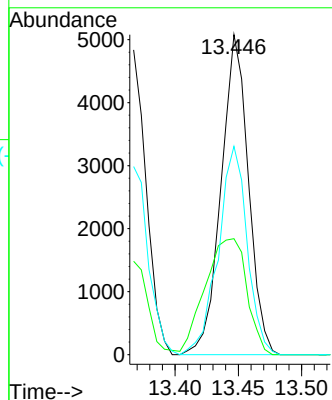
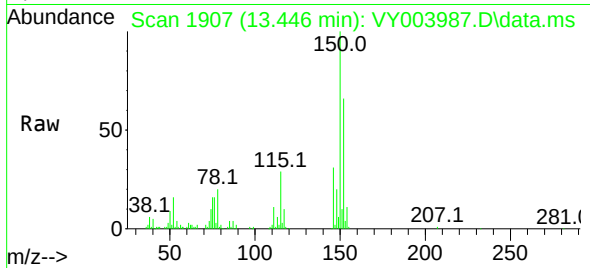
#65
1,4-Dichlorobenzene
Concen: 1.12 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:	146	Resp:	7626
Ion Ratio	Lower	Upper	
146	100		
111	36.3	24.7	45.9
148	65.1	43.4	80.6

Instrument :
MSVOA_Y
ClientSampleId :
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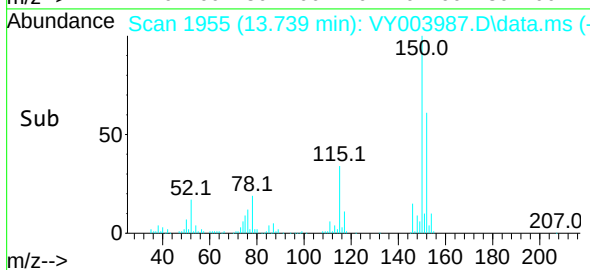
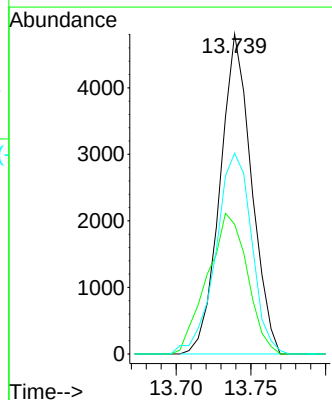
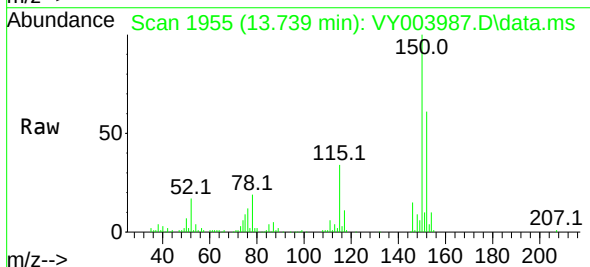
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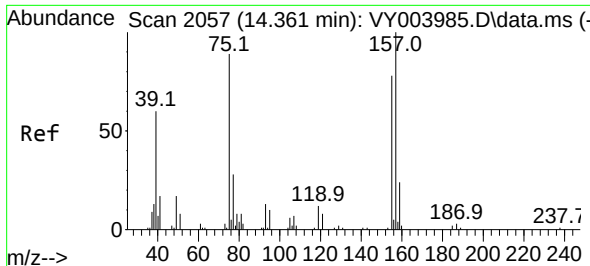
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#67
1,2-Dichlorobenzene
Concen: 1.11 ug/L
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:	146	Resp:	7024
Ion Ratio	Lower	Upper	
146	100		
111	40.6	31.0	46.6
148	62.8	51.0	76.4





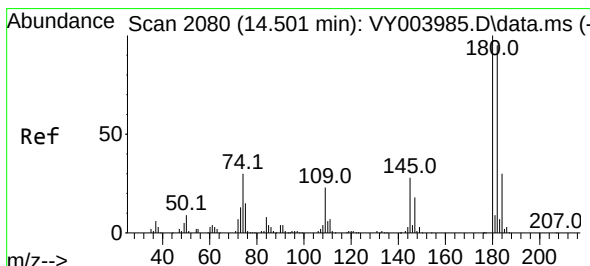
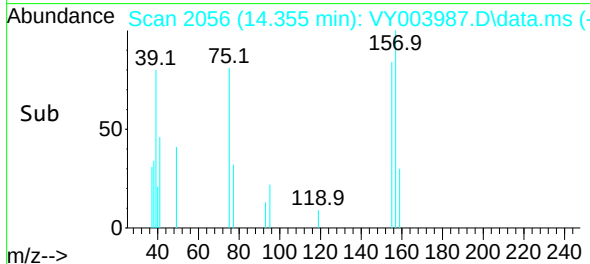
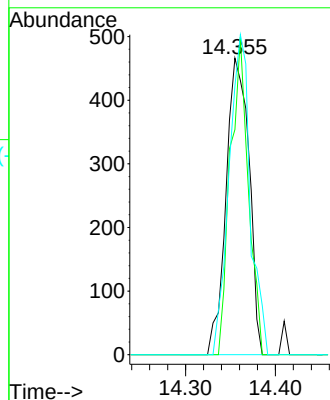
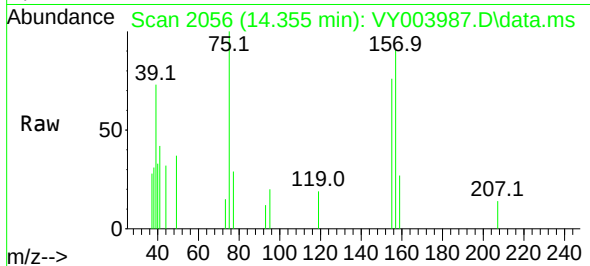
#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.30 ug/L m
 RT: 14.355 min Scan# 2056
 Delta R.T. -0.006 min
 Lab File: VY003987.D
 Acq: 05 Feb 2021 14:28

Tgt Ion: 75 Resp: 829
 Ion Ratio Lower Upper
 75 100
 155 76.0 73.4 110.0
 157 90.6 98.1 147.1#

Instrument :
 MSVOA_Y
 ClientSampleId :
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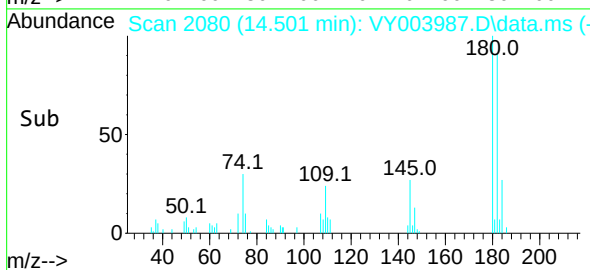
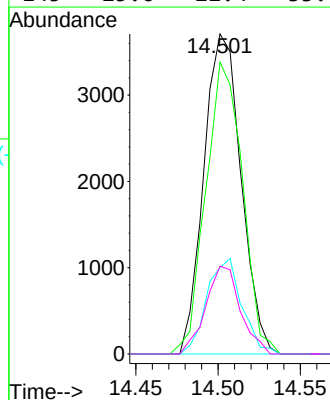
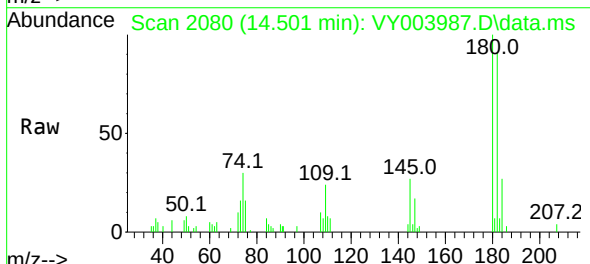
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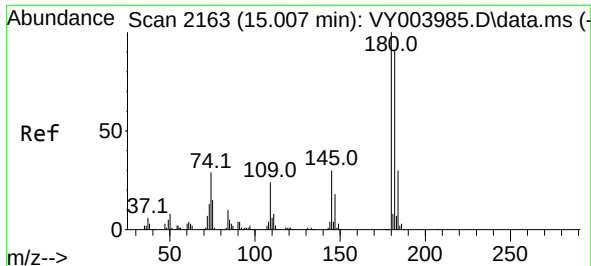
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#69
 1,3,5-Trichlorobenzene
 Concen: 1.17 ug/L
 RT: 14.501 min Scan# 2080
 Delta R.T. 0.000 min
 Lab File: VY003987.D
 Acq: 05 Feb 2021 14:28

Tgt Ion: 180 Resp: 5826
 Ion Ratio Lower Upper
 180 100
 182 90.0 75.4 113.0
 184 28.0 24.1 36.1
 145 25.6 22.4 33.6





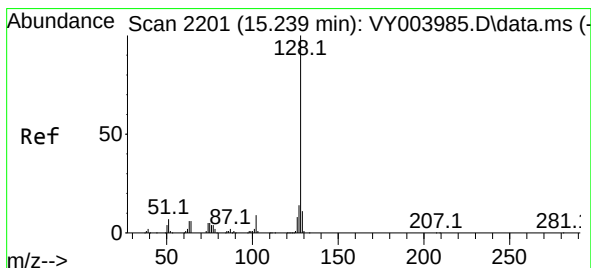
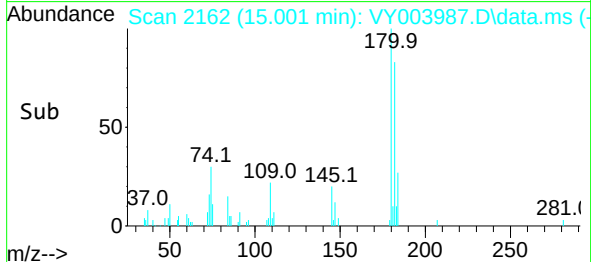
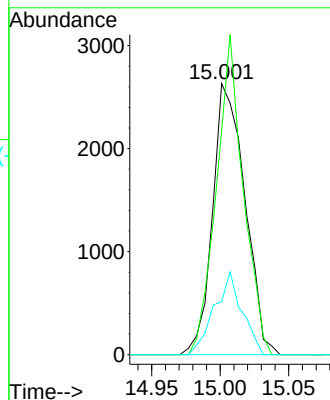
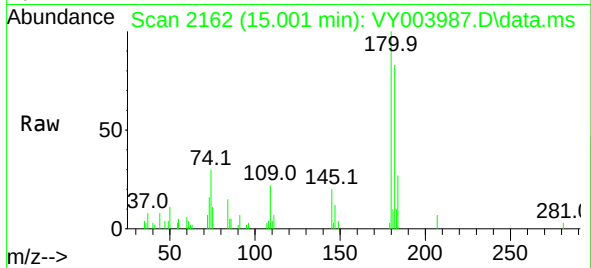
#70
1,2,4-trichlorobenzene
Concen: 1.05 ug/L
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:180 Resp: 4322
Ion Ratio Lower Upper
180 100
182 98.2 76.1 114.1
145 26.1 22.8 34.2

Instrument :
MSVOA_Y
ClientSampleId :
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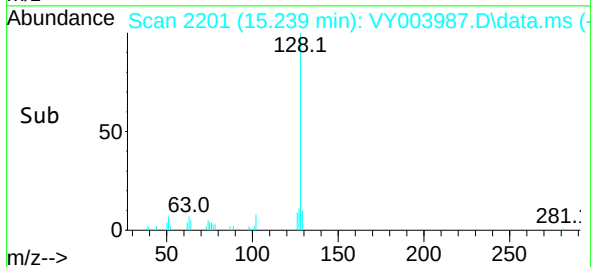
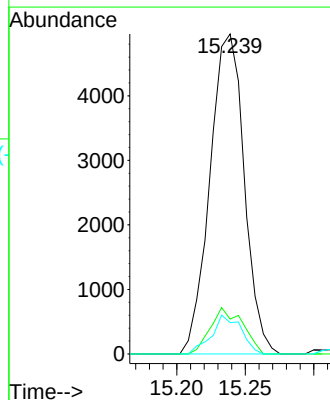
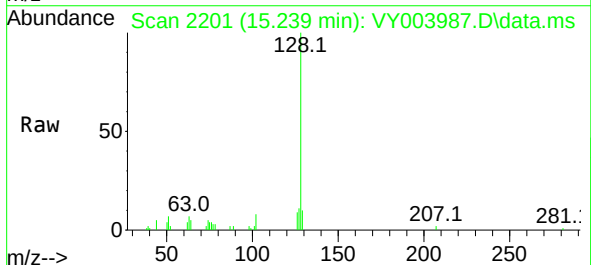
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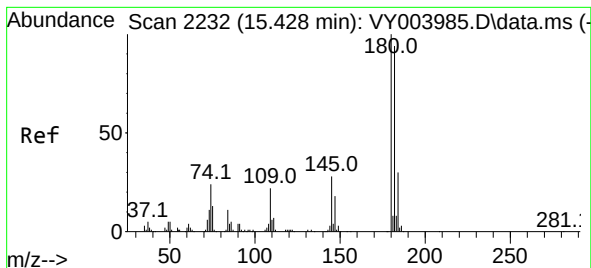
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#71
Naphthalene
Concen: 1.00 ug/L
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY003987.D
Acq: 05 Feb 2021 14:28

Tgt Ion:128 Resp: 8647
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 10.4 8.5 12.7





#72

1,2,3-Trichlorobenzene

Concen: 0.95 ug/L

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY003987.D

Acq: 05 Feb 2021 14:28

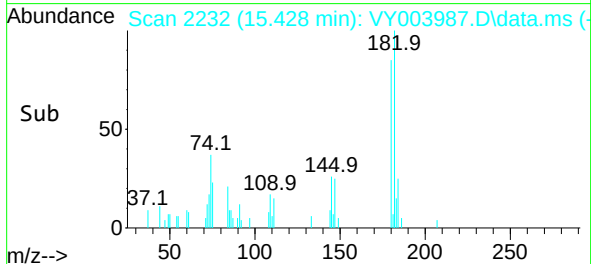
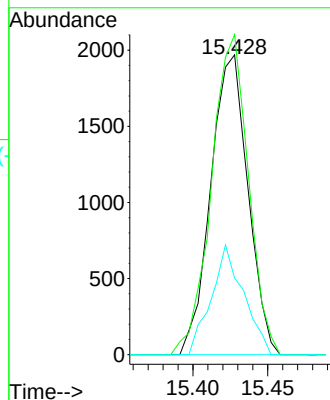
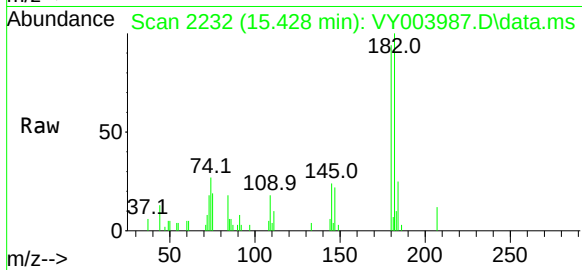
Tgt Ion:180 Resp: 3407

Ion Ratio Lower Upper

180 100

182 106.0 76.2 114.4

145 31.8 23.6 35.4



Instrument :

MSVOA_Y

ClientSampleId :

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