

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007829.D
 Acq On : 10 Mar 2022 16:46
 Operator : SY/MD
 Sample : N1825-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUM-29RE

Quant Time: Mar 10 23:57:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

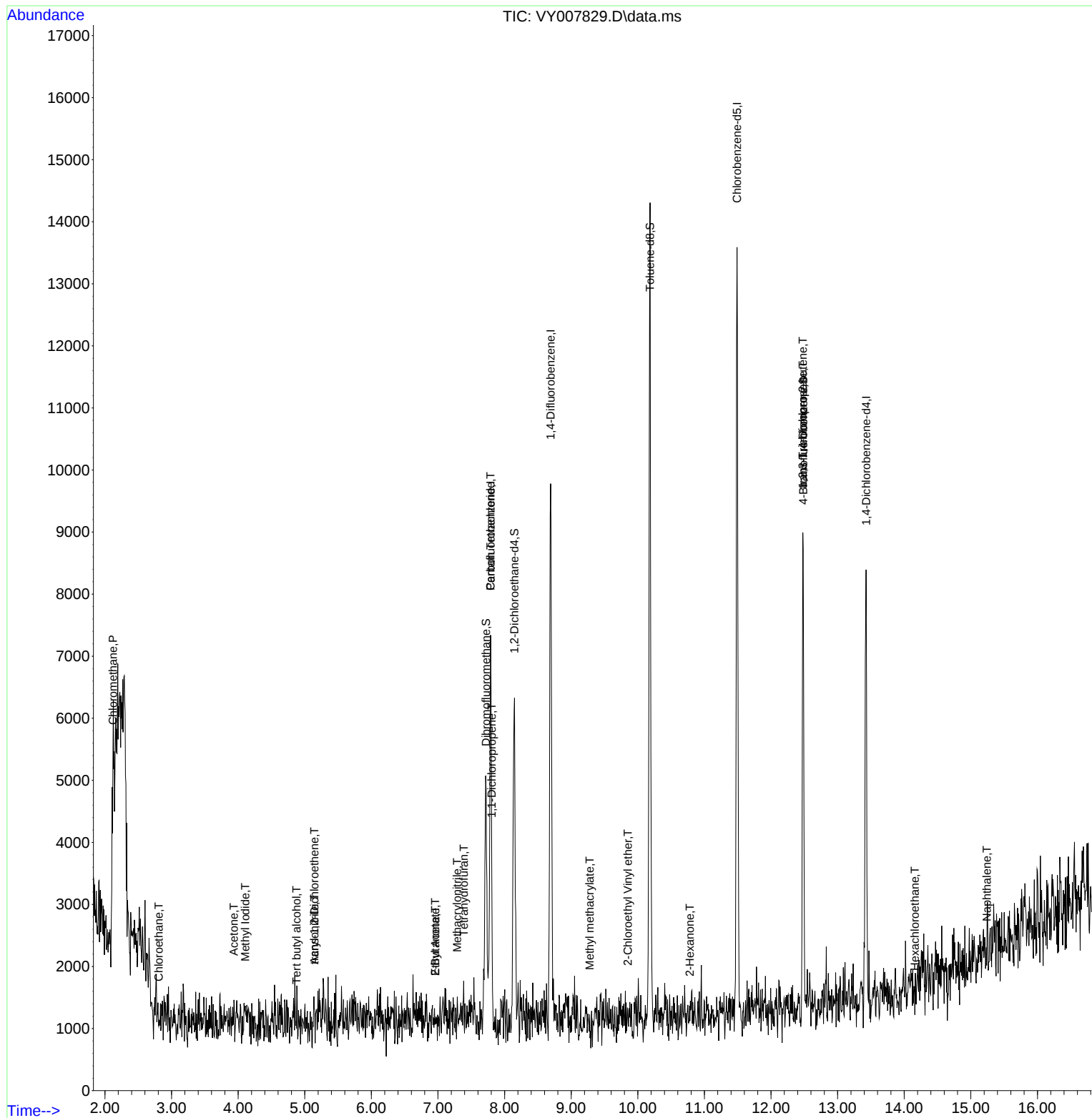
Internal Standards						
1) Pentafluorobenzene	7.789	168	4562	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	6521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3965	83.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 166.040%#			
35) Dibromofluoromethane	7.722	113	2540	60.925	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.840%			
50) Toluene-d8	10.185	98	8162	53.184	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.360%			
62) 4-Bromofluorobenzene	12.483	95	2091	42.269	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.540%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	407	2.669	ug/l	# 80
6) Chloroethane	2.808	64	56	1.067	ug/l	# 43
10) Methyl Iodide	4.107	142	139	2.393	ug/l	# 82
11) Tert butyl alcohol	4.875	59	26	6.288	ug/l	# 77
13) Acrolein	3.717	56	51	Below Cal		# 14
15) Acrylonitrile	5.143	53	56	4.216	ug/l	# 17
16) Acetone	3.936	43	53	5.455	ug/l	# 47
17) Carbon Disulfide	4.131	76	20	Below Cal		# 75
18) Methyl Acetate	4.527	43	34	Below Cal		# 56
20) Methylene Chloride	4.704	84	22	Below Cal		# 1
21) trans-1,2-Dichloroethene	5.143	96	51	1.032	ug/l	# 1
25) 2-Butanone	6.960	43	60	3.681	ug/l	# 54
29) Tetrahydrofuran	7.387	42	68	6.098	ug/l	# 38
31) Cyclohexane	7.765	56	23	Below Cal		# 17
36) 1,1-Dichloropropene	7.807	75	248	3.781	ug/l	# 42
37) Ethyl Acetate	6.960	43	60	1.656	ug/l	# 72
38) Carbon Tetrachloride	7.789	117	286	4.088	ug/l	# 11
41) Methacrylonitrile	7.289	41	47	2.715	ug/l	# 1
48) Methyl methacrylate	9.277	41	59	2.032	ug/l	# 41
58) 2-Chloroethyl Vinyl ether	9.850	63	28	1.003	ug/l	# 48
59) 2-Hexanone	10.782	43	33	1.367	ug/l	# 28
76) 1,2,3-Trichloropropane	12.477	75	1415	76.099	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	1415	155.575	ug/l	# 7
90) Hexachloroethane	14.160	117	29	1.313	ug/l	# 6
95) Naphthalene	15.239	128	130	1.912	ug/l	# 69

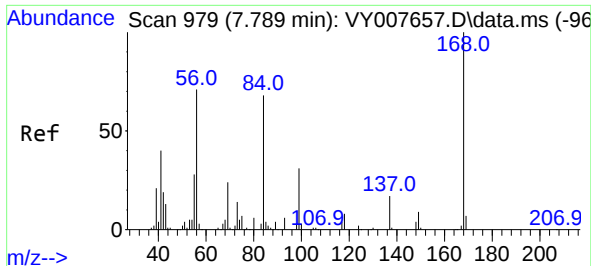
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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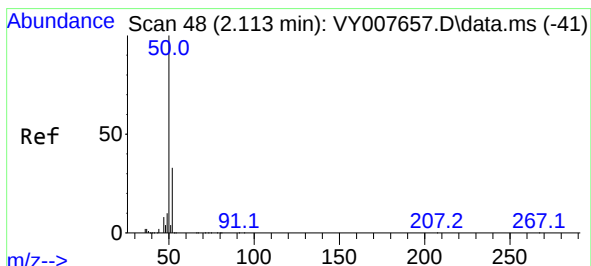
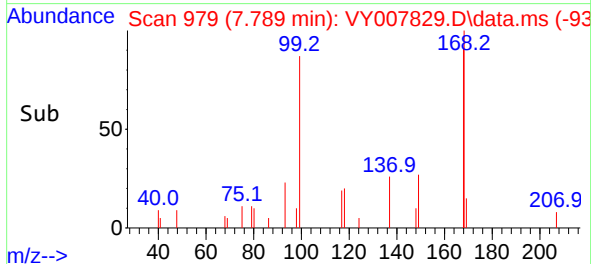
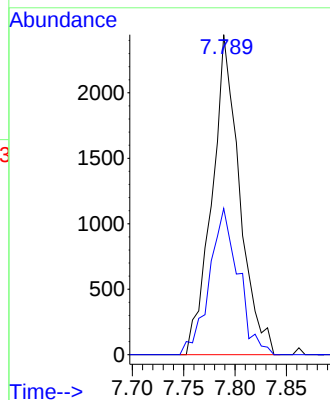
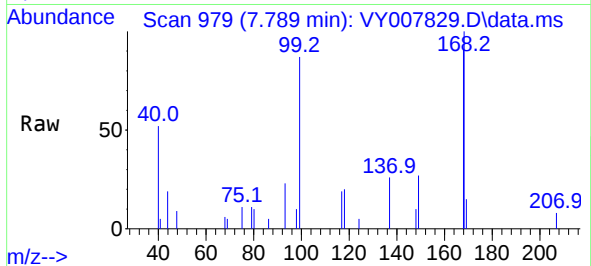




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

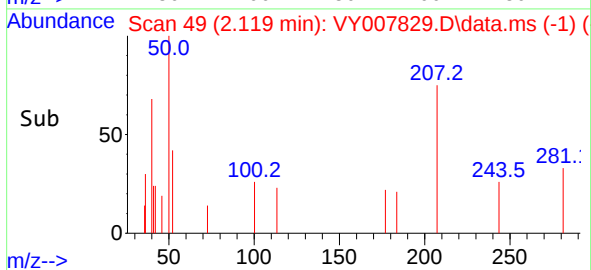
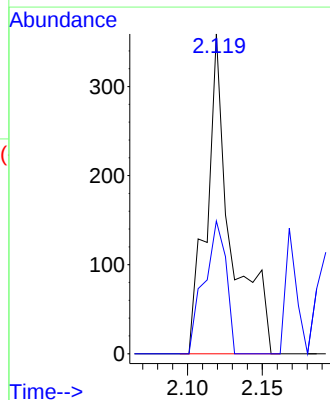
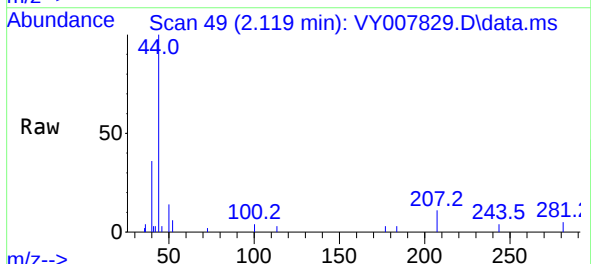
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

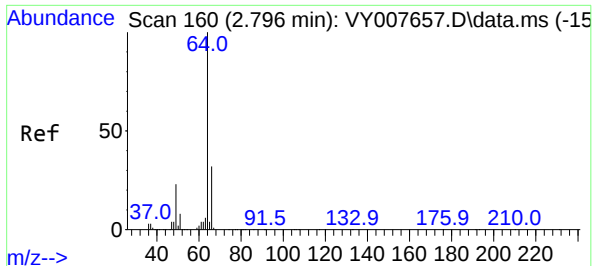
Tgt Ion:168 Resp: 4562
Ion Ratio Lower Upper
168 100
99 45.7 46.9 70.3#



#3
Chloromethane
Concen: 2.669 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 50 Resp: 407
Ion Ratio Lower Upper
50 100
52 41.5 24.6 37.0#

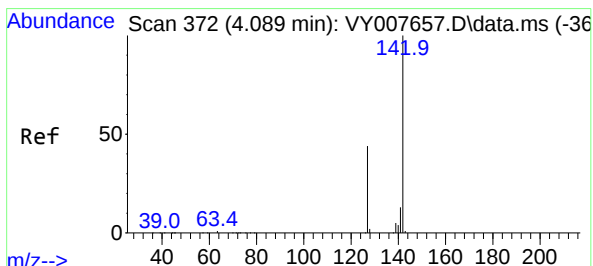
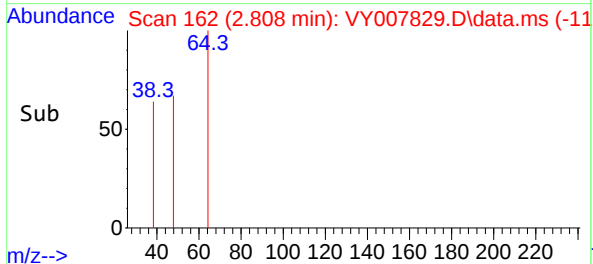
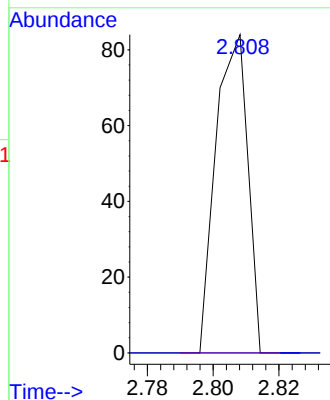
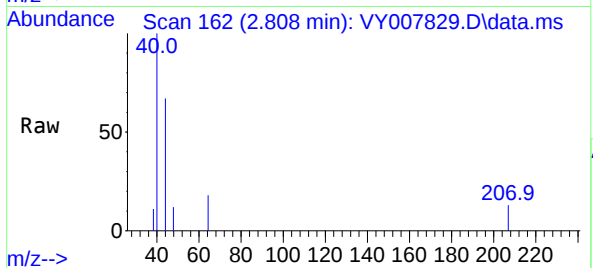




#6
Chloroethane
Concen: 1.067 ug/l
RT: 2.808 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

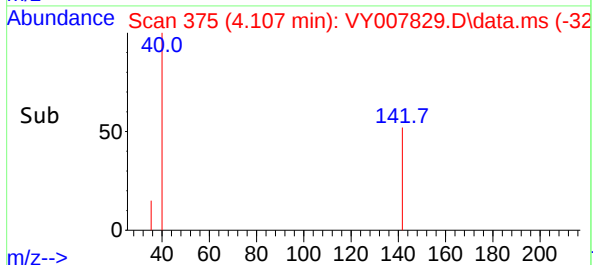
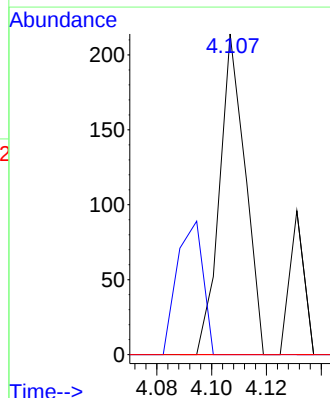
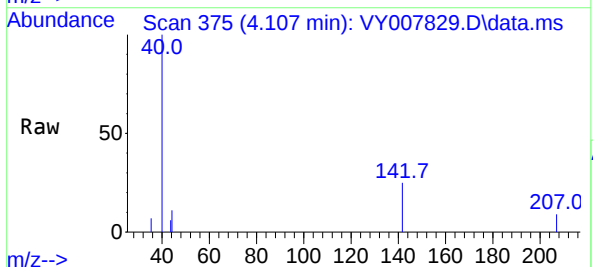
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

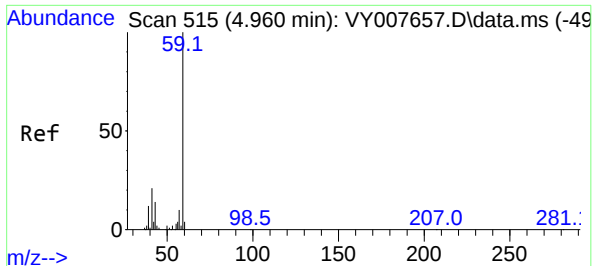
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 2.393 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.018 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 42.4 41.5 62.3
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 6.288 ug/l

RT: 4.875 min Scan# 501

Delta R.T. -0.085 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

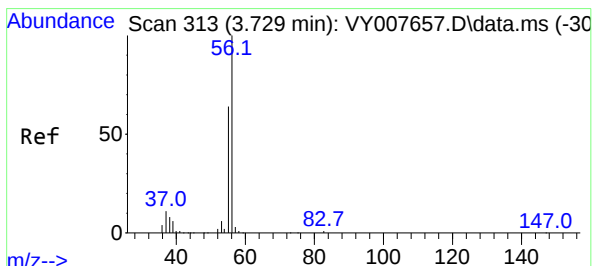
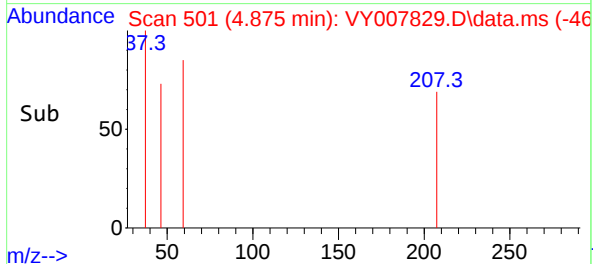
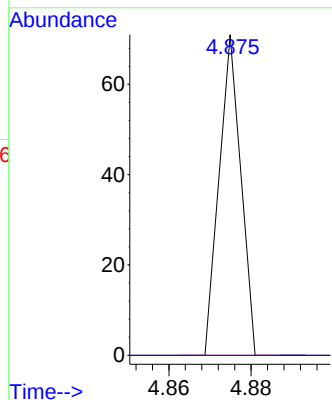
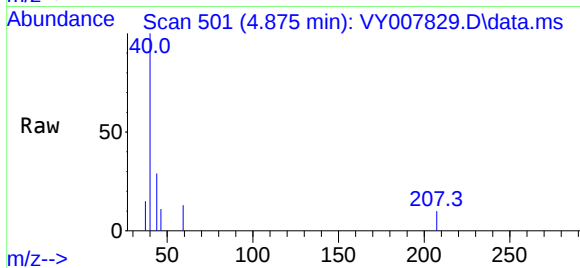
DUM-29RE

Tgt Ion: 59 Resp: 26

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: Below Cal

RT: 3.717 min Scan# 311

Delta R.T. -0.012 min

Lab File: VY007829.D

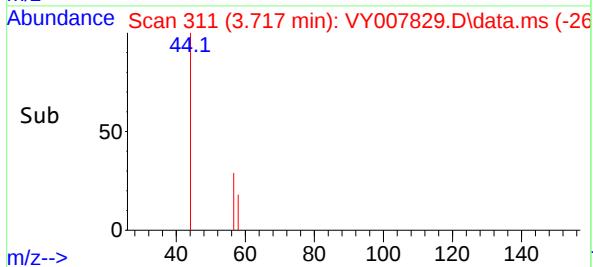
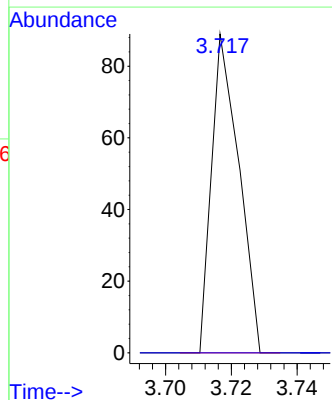
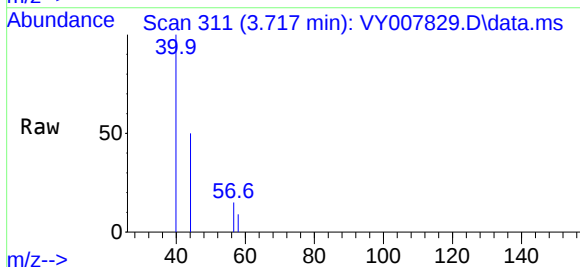
Acq: 10 Mar 2022 16:46

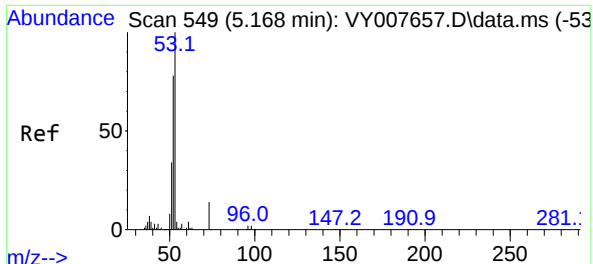
Tgt Ion: 56 Resp: 51

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#





#15

Acrylonitrile

Concen: 4.216 ug/l

RT: 5.143 min Scan# 54

Delta R.T. -0.025 min

Lab File: VY007829.D

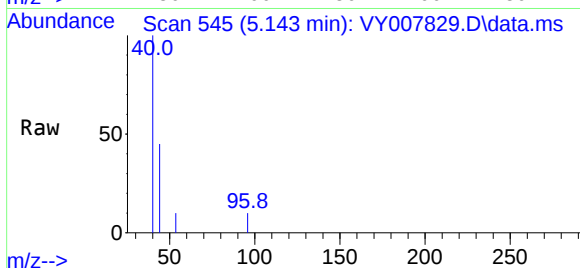
Acq: 10 Mar 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

DUM-29RE



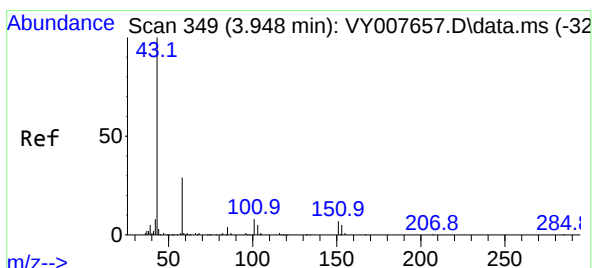
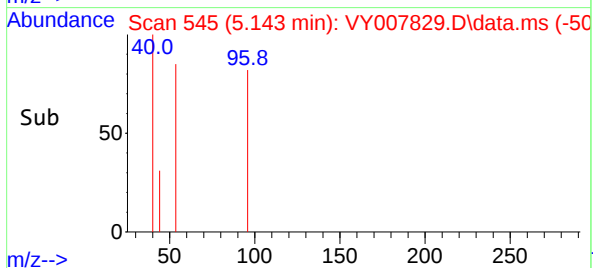
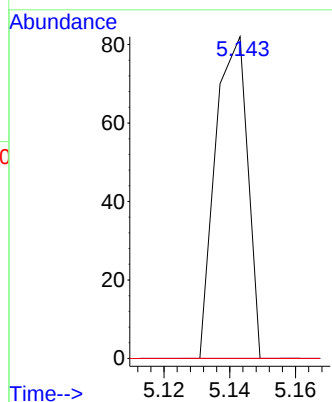
Tgt Ion: 53 Resp: 56

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 0.0 29.8 44.6#



#16

Acetone

Concen: 5.455 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY007829.D

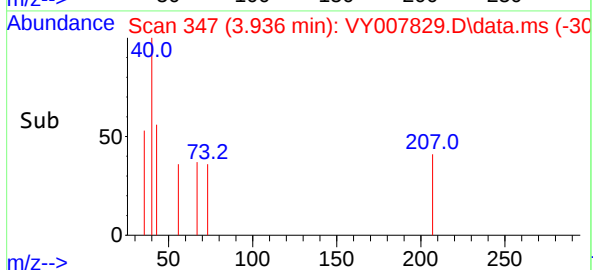
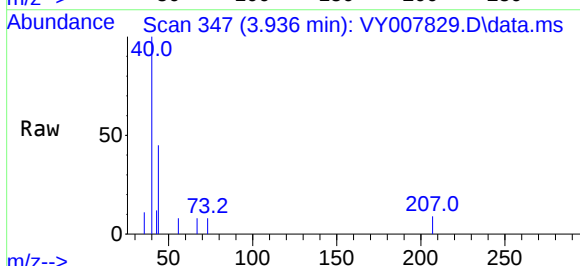
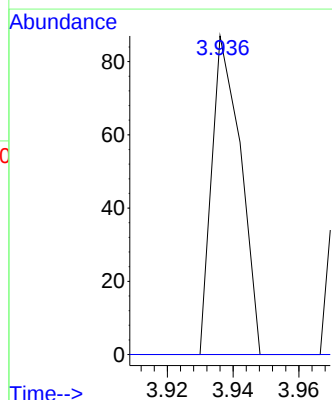
Acq: 10 Mar 2022 16:46

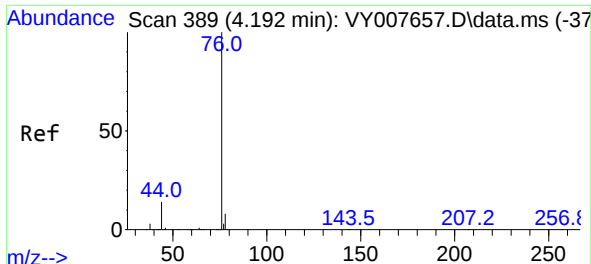
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

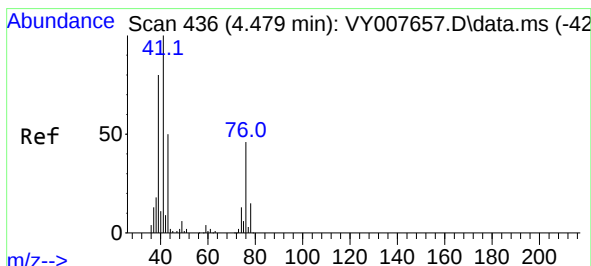
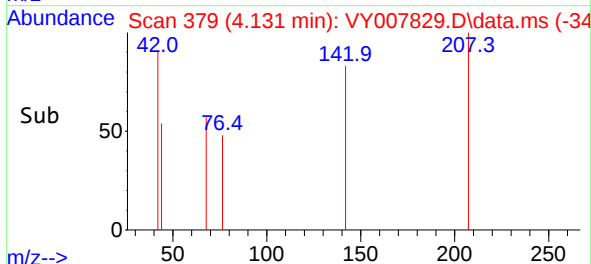
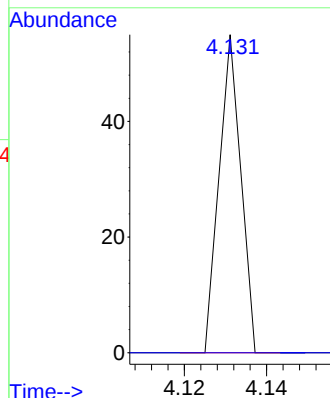
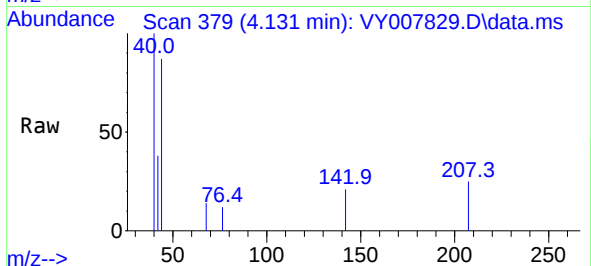




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.131 min Scan# 31
Delta R.T. -0.061 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

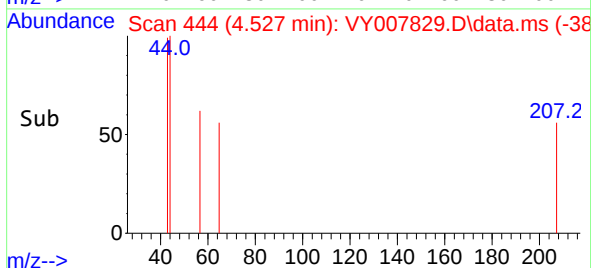
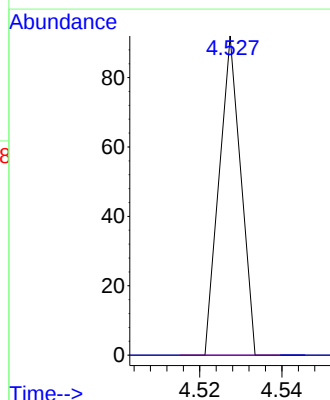
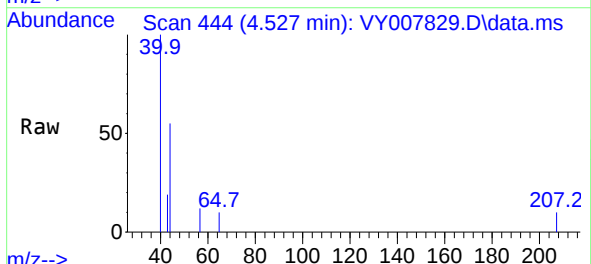
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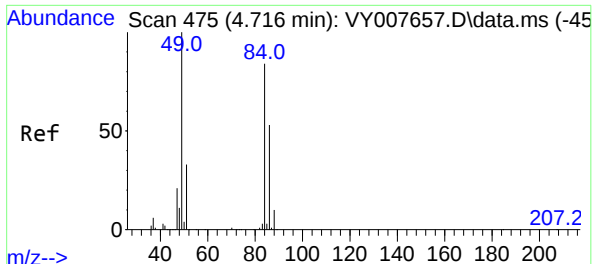
Tgt Ion: 76 Resp: 20
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.527 min Scan# 444
Delta R.T. 0.048 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 43 Resp: 34
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

DUM-29RE

Tgt Ion: 84 Resp: 22

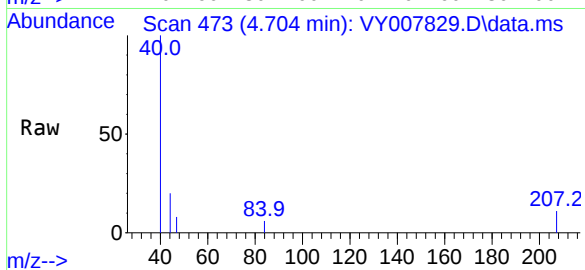
Ion Ratio Lower Upper

84 100

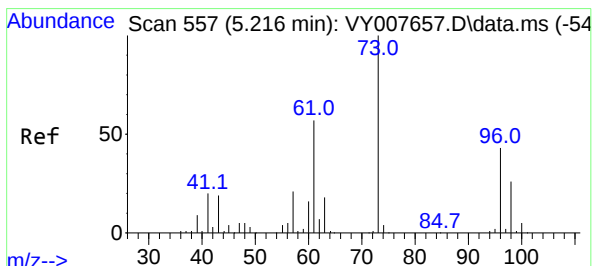
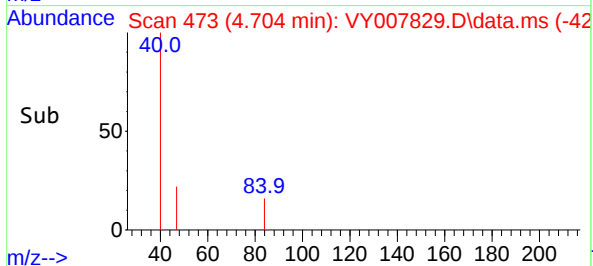
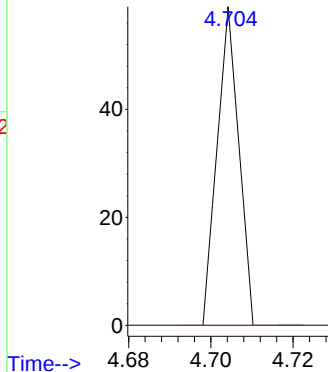
49 0.0 114.4 171.6#

51 0.0 35.3 52.9#

86 0.0 53.7 80.5#



Abundance



#21

trans-1,2-Dichloroethene

Concen: 1.032 ug/l

RT: 5.143 min Scan# 545

Delta R.T. -0.073 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

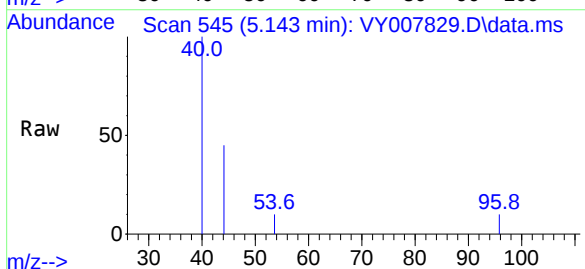
Tgt Ion: 96 Resp: 51

Ion Ratio Lower Upper

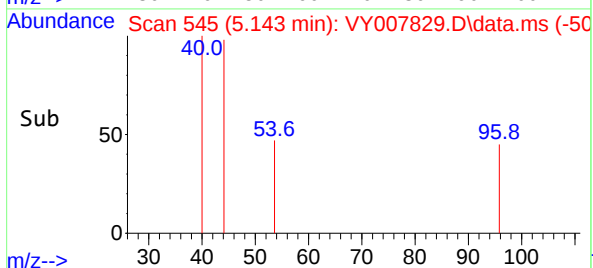
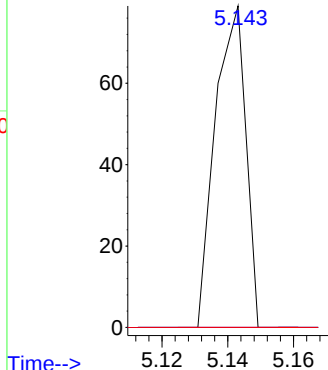
96 100

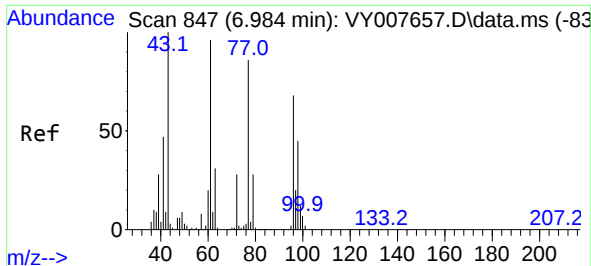
61 0.0 120.5 180.7#

98 0.0 49.8 74.8#



Abundance





#25

2-Butanone

Concen: 3.681 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.024 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

Instrument :

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ClientSampleId :

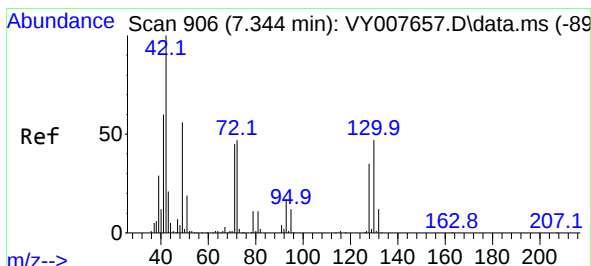
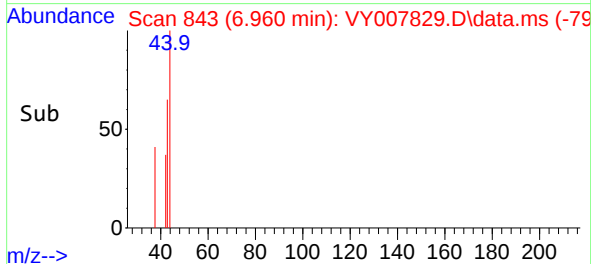
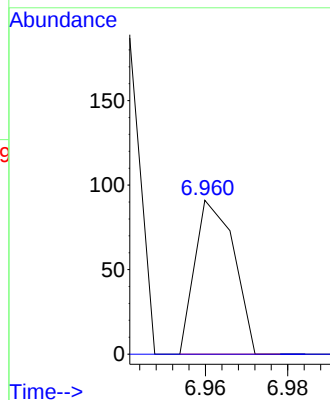
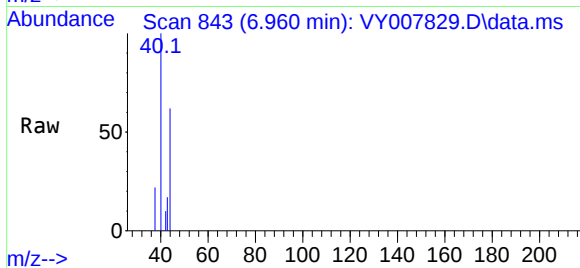
DUM-29RE

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 6.098 ug/l

RT: 7.387 min Scan# 913

Delta R.T. 0.043 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

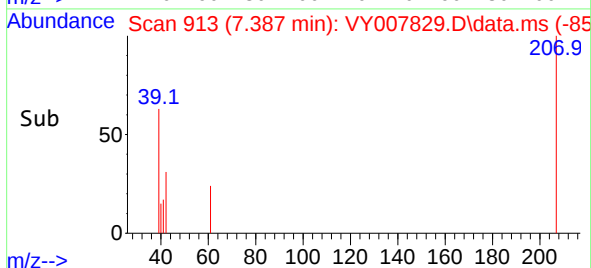
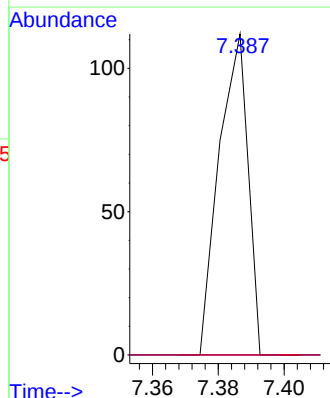
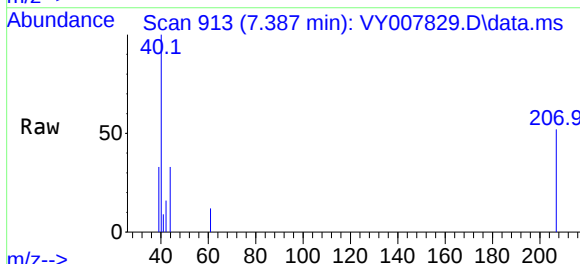
Tgt Ion: 42 Resp: 68

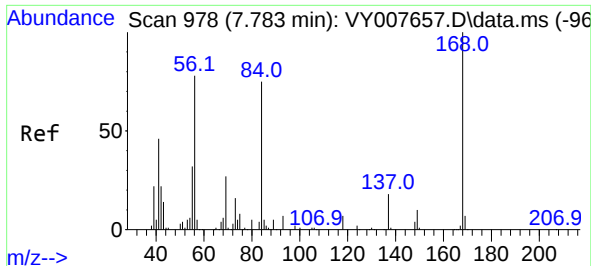
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#

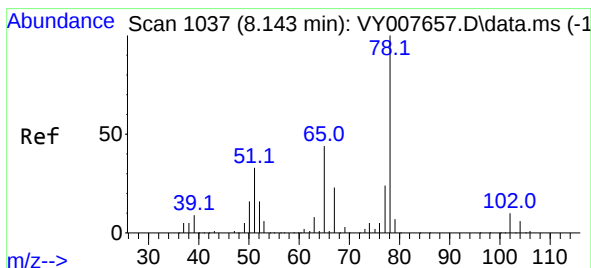
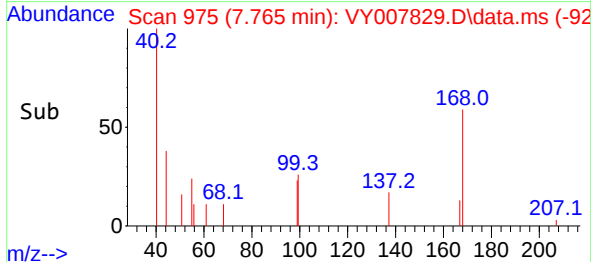
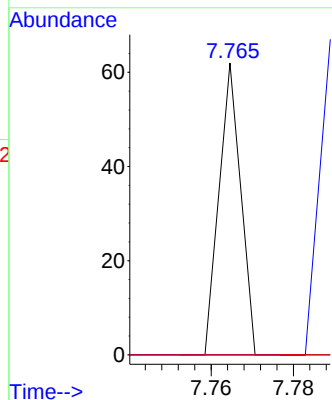
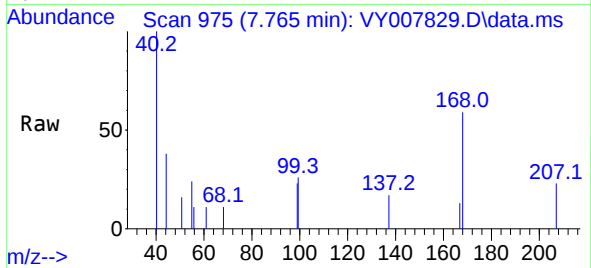




#31
Cyclohexane
Concen: Below Cal
RT: 7.765 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

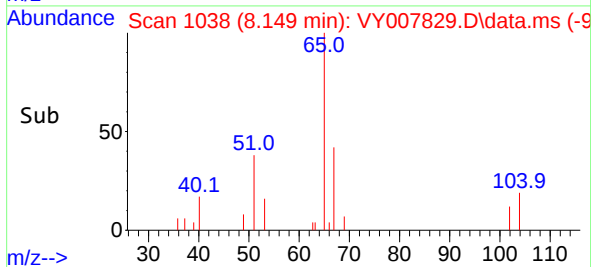
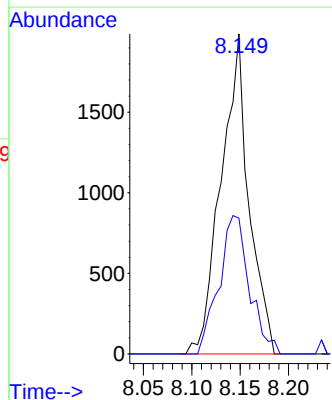
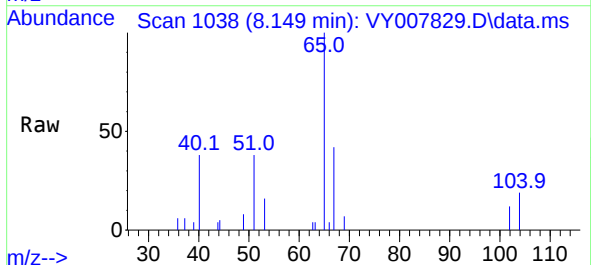
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

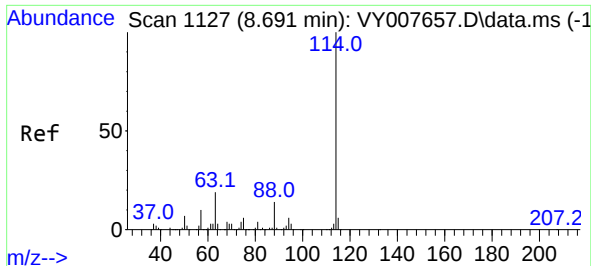
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 0.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 83.019 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 65 Resp: 3965
Ion Ratio Lower Upper
65 100
67 47.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

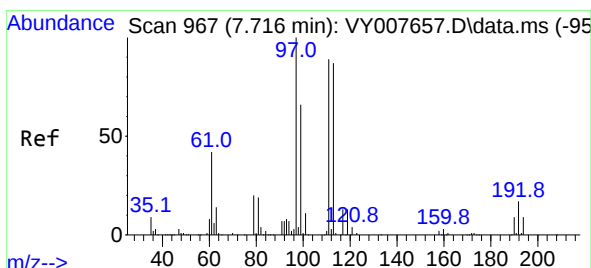
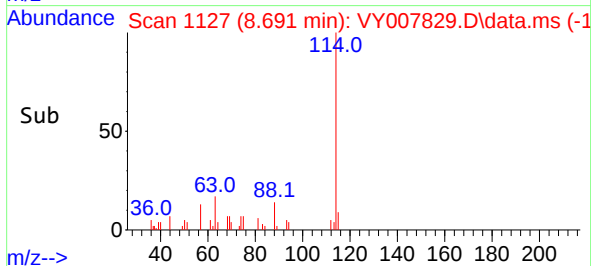
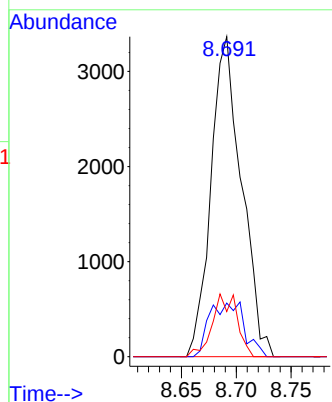
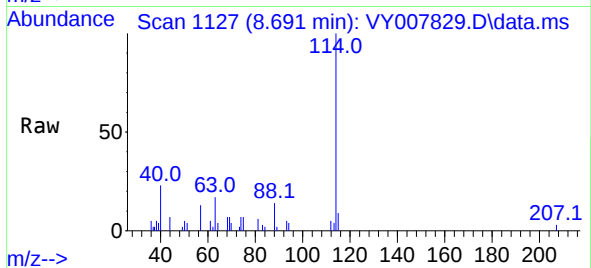
Instrument :

MSVOA_Y

ClientSampleId :

DUM-29RE

Tgt Ion:	114	Resp:	6521
Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	43.2
88	14.1	0.0	31.8



#35

Dibromofluoromethane

Concen: 60.925 ug/l

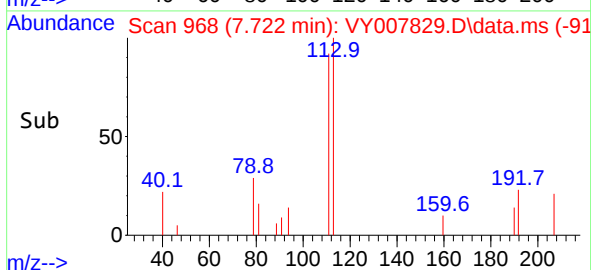
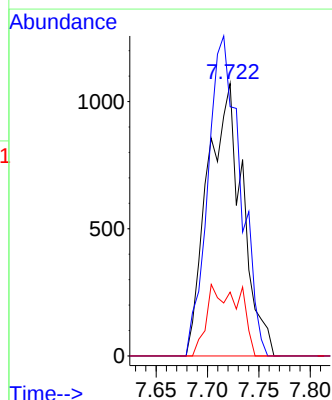
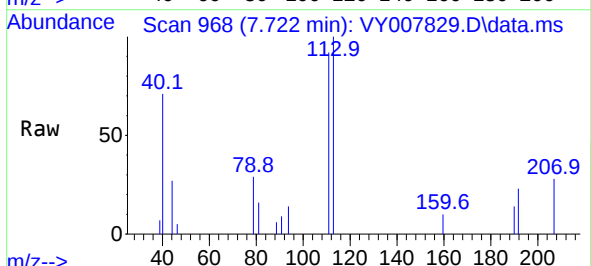
RT: 7.722 min Scan# 968

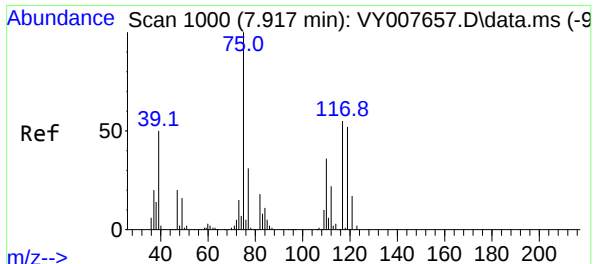
Delta R.T. 0.006 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

Tgt Ion:	113	Resp:	2540
Ion	Ratio	Lower	Upper
113	100		
111	108.8	82.6	124.0
192	12.7	17.6	26.4

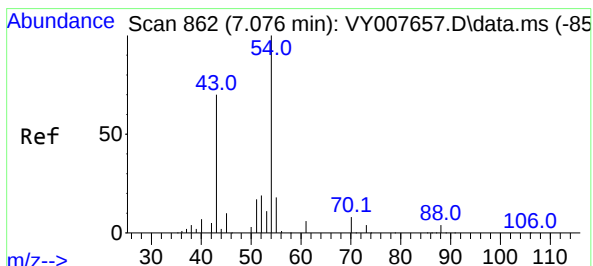
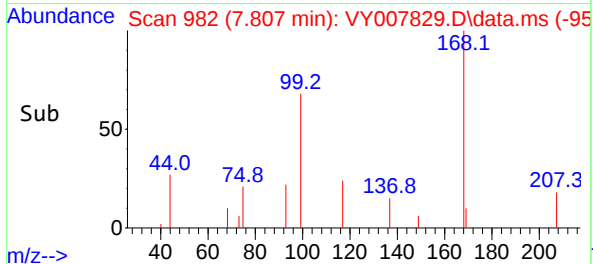
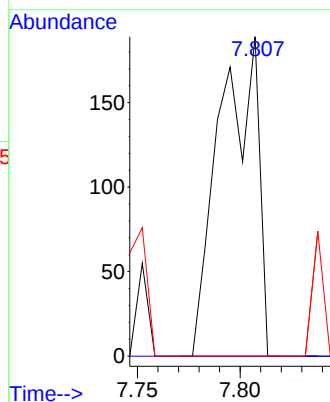
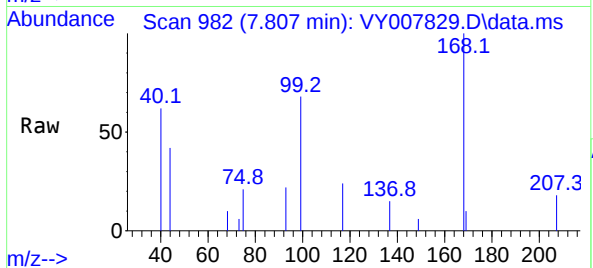




#36
1,1-Dichloropropene
Concen: 3.781 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

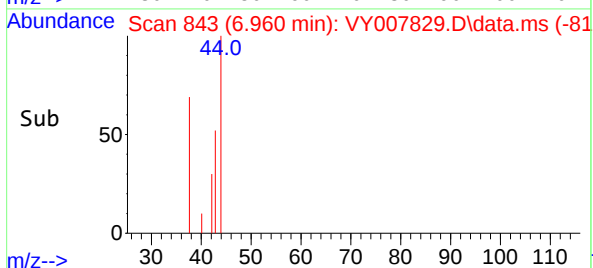
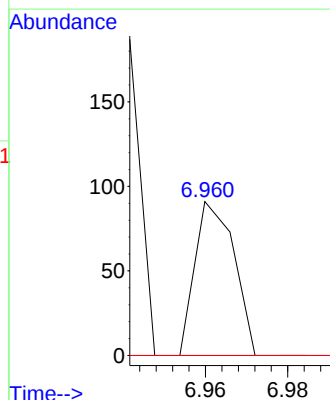
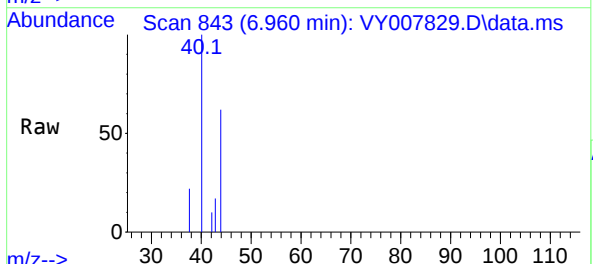
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

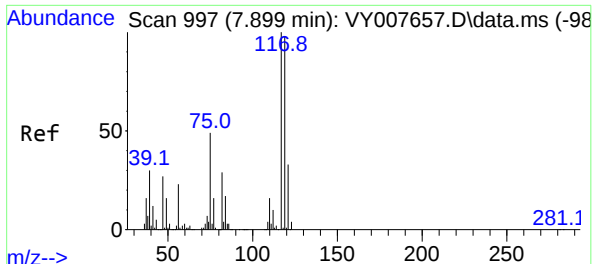
Tgt Ion: 75 Resp: 248
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.656 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.116 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

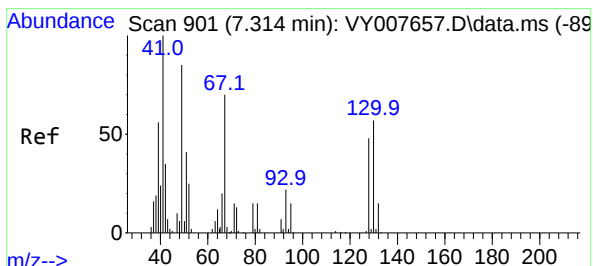
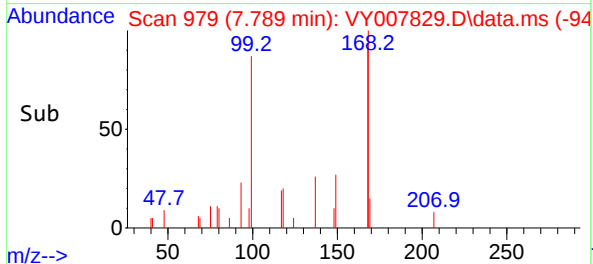
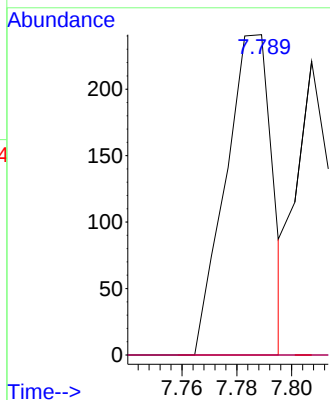
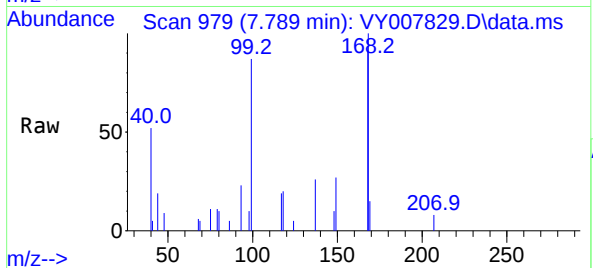




#38
Carbon Tetrachloride
Concen: 4.088 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

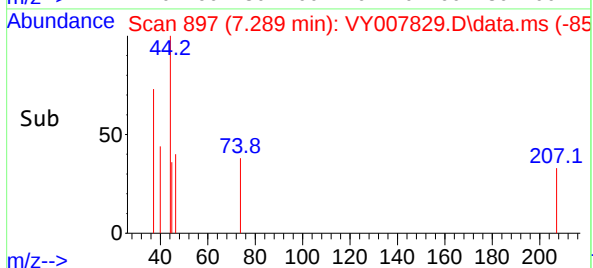
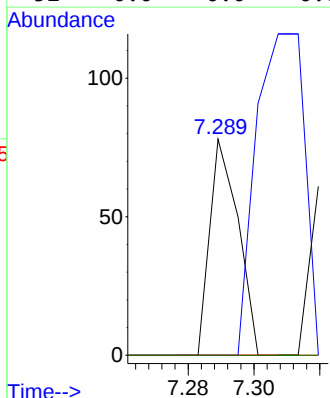
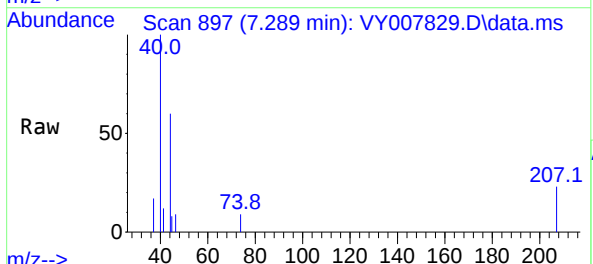
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

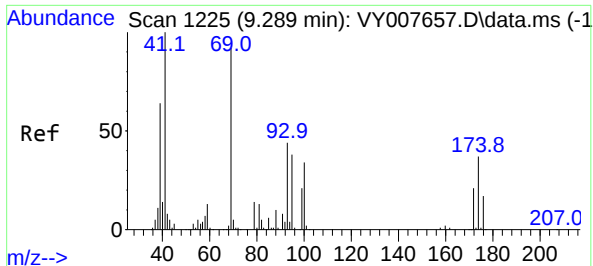
Tgt Ion:117 Resp: 286
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.715 ug/l
RT: 7.289 min Scan# 897
Delta R.T. -0.025 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 41 Resp: 47
Ion Ratio Lower Upper
41 100
39 251.1 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#48

Methyl methacrylate

Concen: 2.032 ug/l

RT: 9.277 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY007829.D

Acq: 10 Mar 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

DUM-29RE

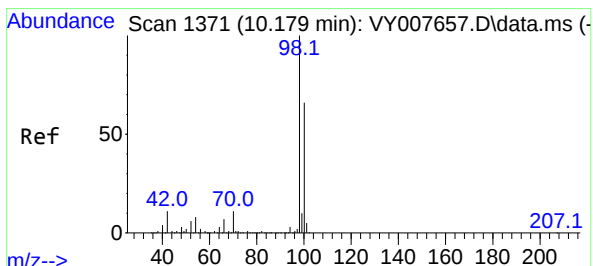
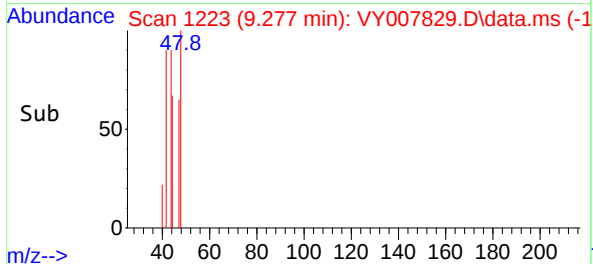
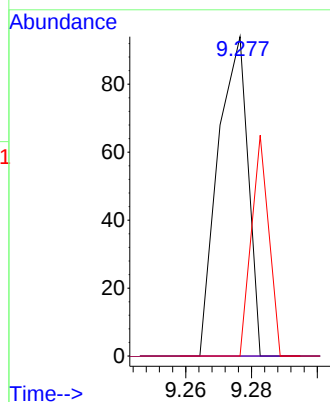
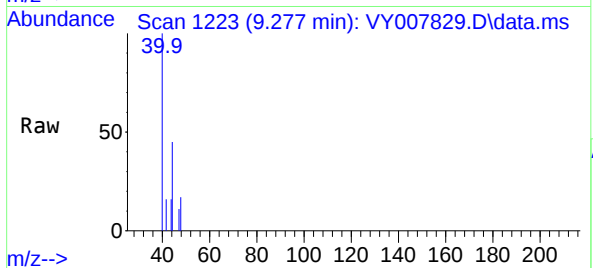
Tgt Ion: 41 Resp: 59

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 40.7 47.4 71.0#



#50

Toluene-d8

Concen: 53.184 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY007829.D

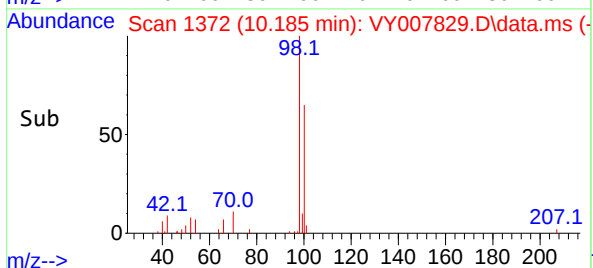
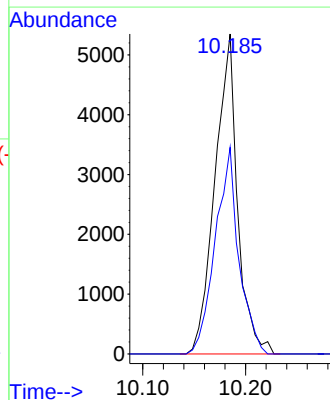
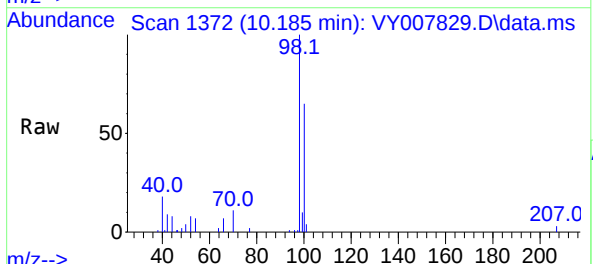
Acq: 10 Mar 2022 16:46

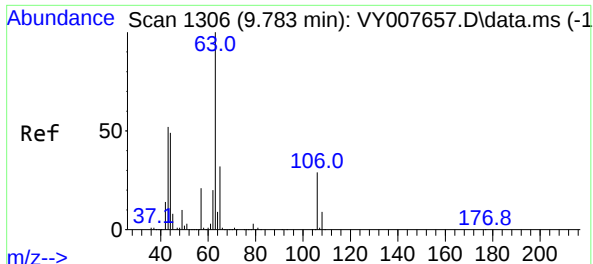
Tgt Ion: 98 Resp: 8162

Ion Ratio Lower Upper

98 100

100 67.3 50.2 75.2

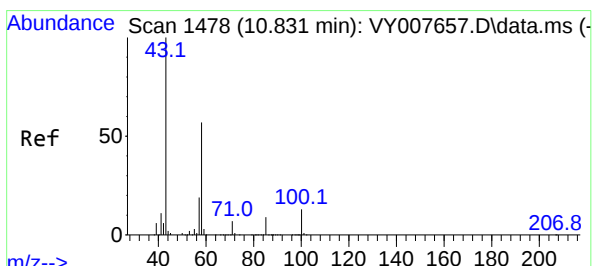
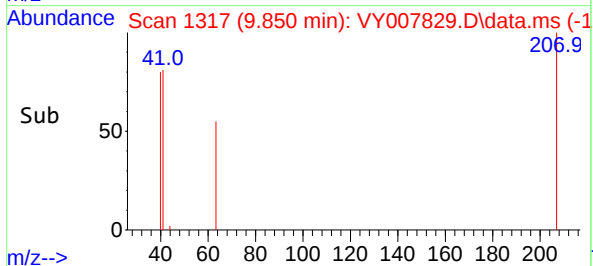
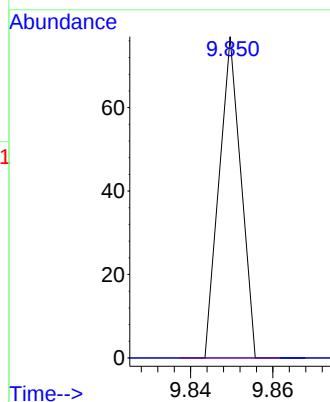
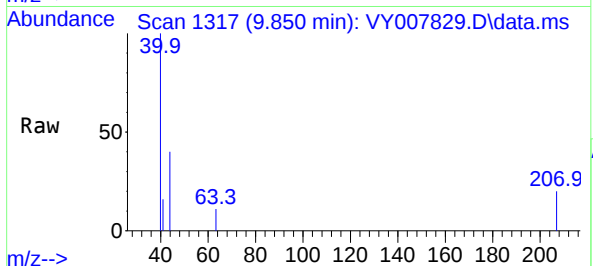




#58
2-Chloroethyl Vinyl ether
Concen: 1.003 ug/l
RT: 9.850 min Scan# 11
Delta R.T. 0.067 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

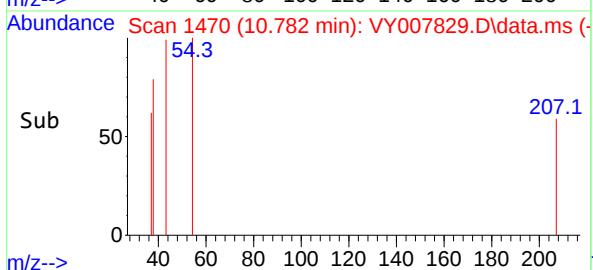
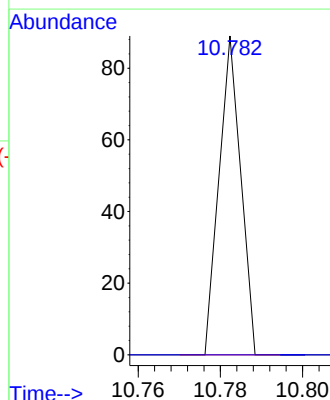
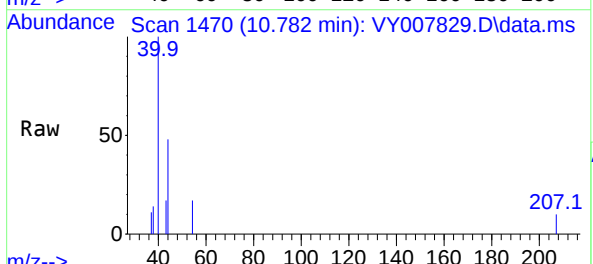
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

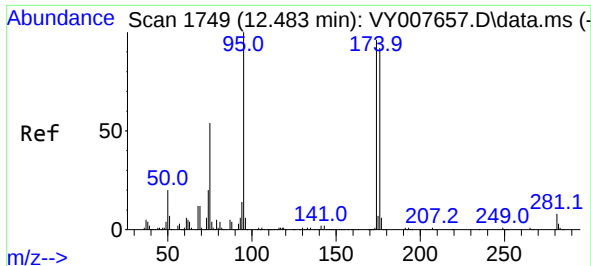
Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 1.367 ug/l
RT: 10.782 min Scan# 1470
Delta R.T. -0.049 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 43 Resp: 33
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

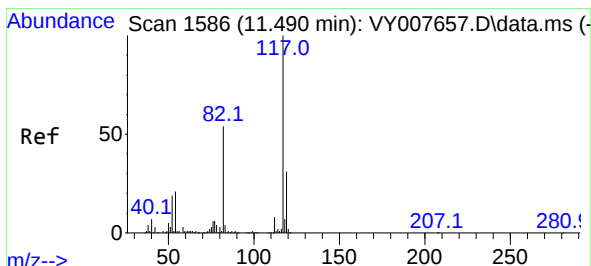
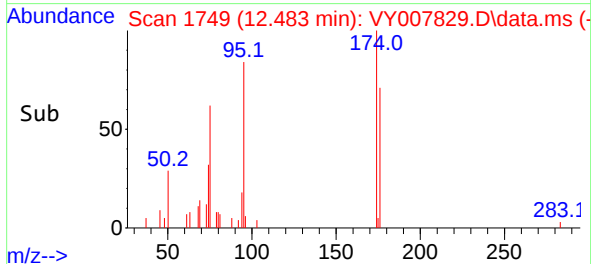
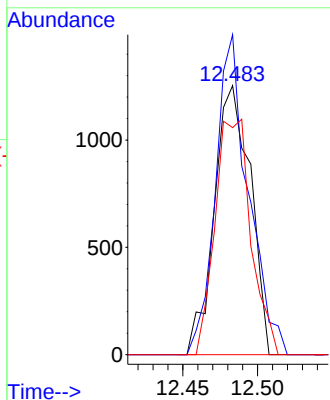
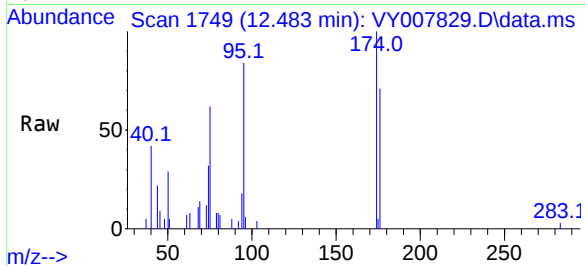




#62
4-Bromofluorobenzene
Concen: 42.269 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

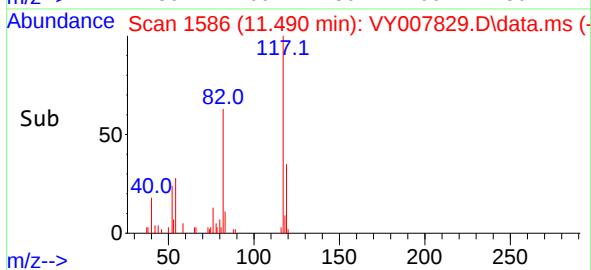
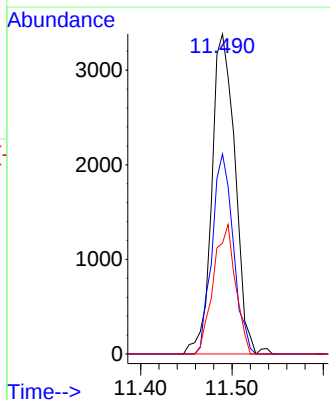
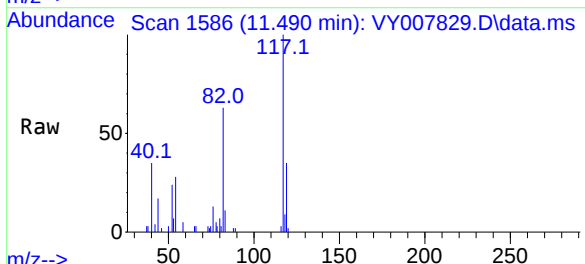
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

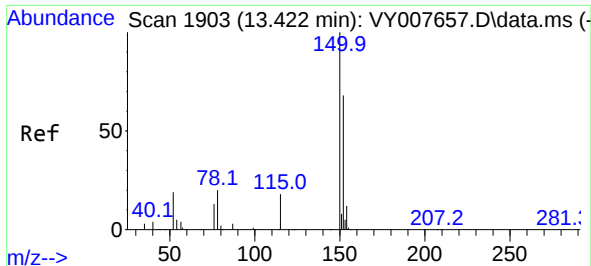
Tgt Ion: 95 Resp: 2091
Ion Ratio Lower Upper
95 100
174 108.8 0.0 177.0
176 87.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 117 Resp: 5973
Ion Ratio Lower Upper
117 100
82 62.5 43.0 64.4
119 34.7 25.4 38.0

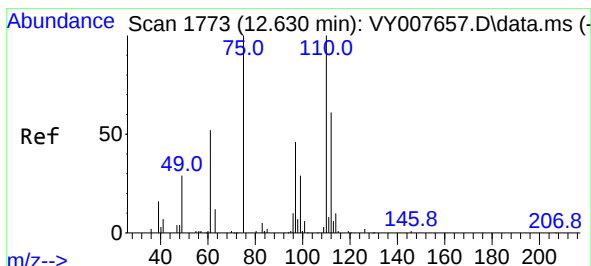
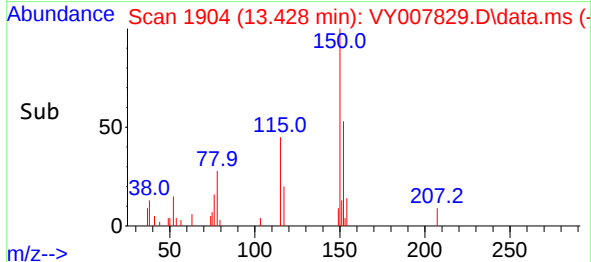
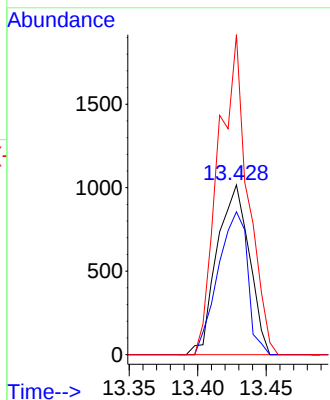
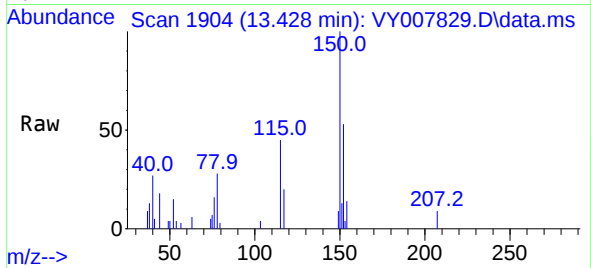




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

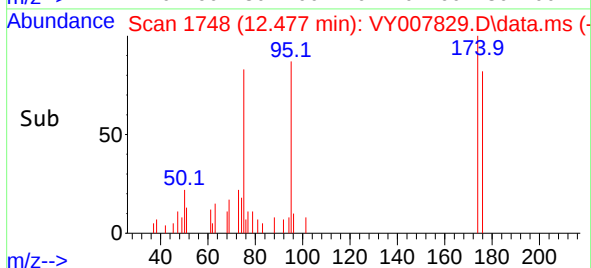
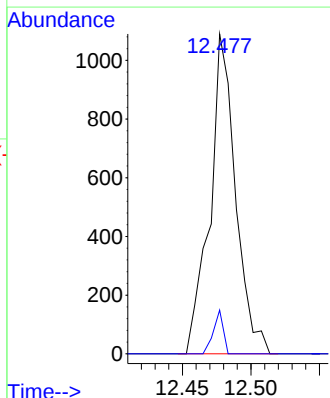
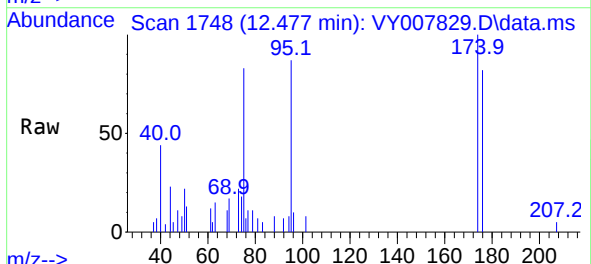
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

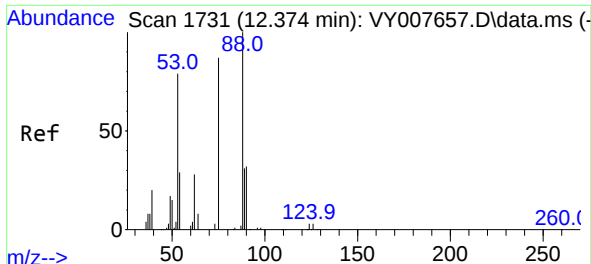
Tgt Ion:152 Resp: 1665
Ion Ratio Lower Upper
152 100
115 77.5 28.2 84.7
150 172.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 76.099 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 75 Resp: 1415
Ion Ratio Lower Upper
75 100
77 5.2 0.0 0.0#

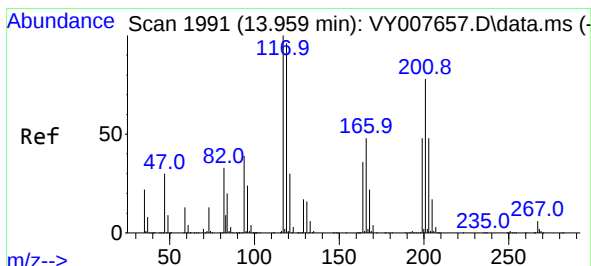
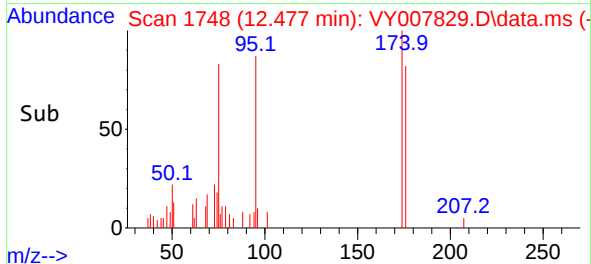
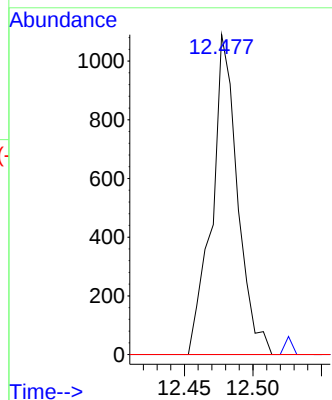
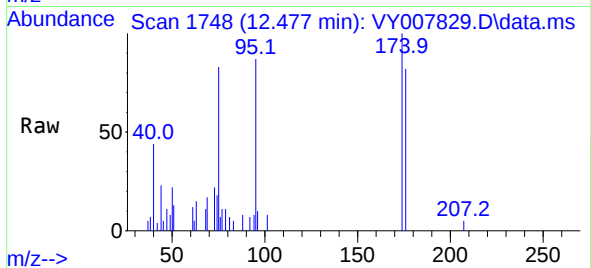




#81
trans-1,4-Dichloro-2-butene
Concen: 155.575 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

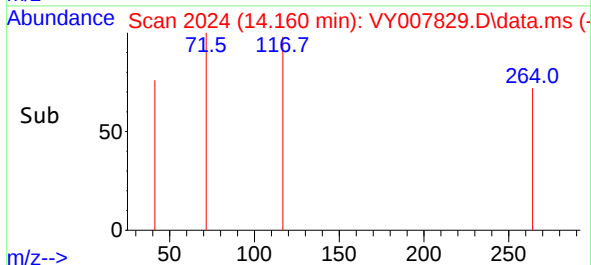
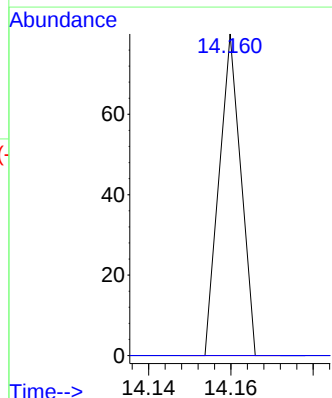
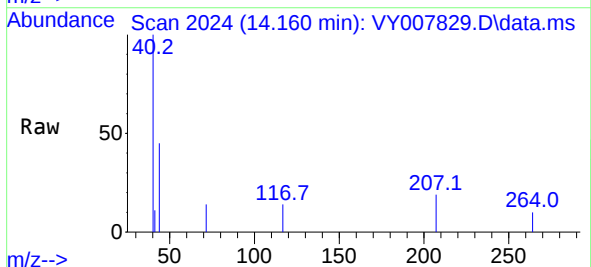
Instrument :
MSVOA_Y
ClientSampleId :
DUM-29RE

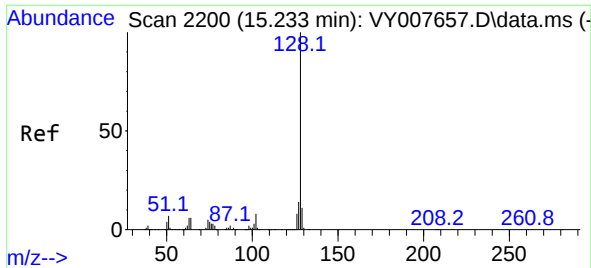
Tgt Ion: 75 Resp: 1415
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#90
Hexachloroethane
Concen: 1.313 ug/l
RT: 14.160 min Scan# 2024
Delta R.T. 0.201 min
Lab File: VY007829.D
Acq: 10 Mar 2022 16:46

Tgt Ion: 117 Resp: 29
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
 Naphthalene
 Concen: 1.912 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY007829.D
 Acq: 10 Mar 2022 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUM-29RE

Tgt Ion:	128	Resp:	130
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

