

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008841.D
 Acq On : 19 May 2022 02:35
 Operator : KP/MD
 Sample : N2869-14
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P031-SS001-1824-01

Quant Time: May 19 03:17:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

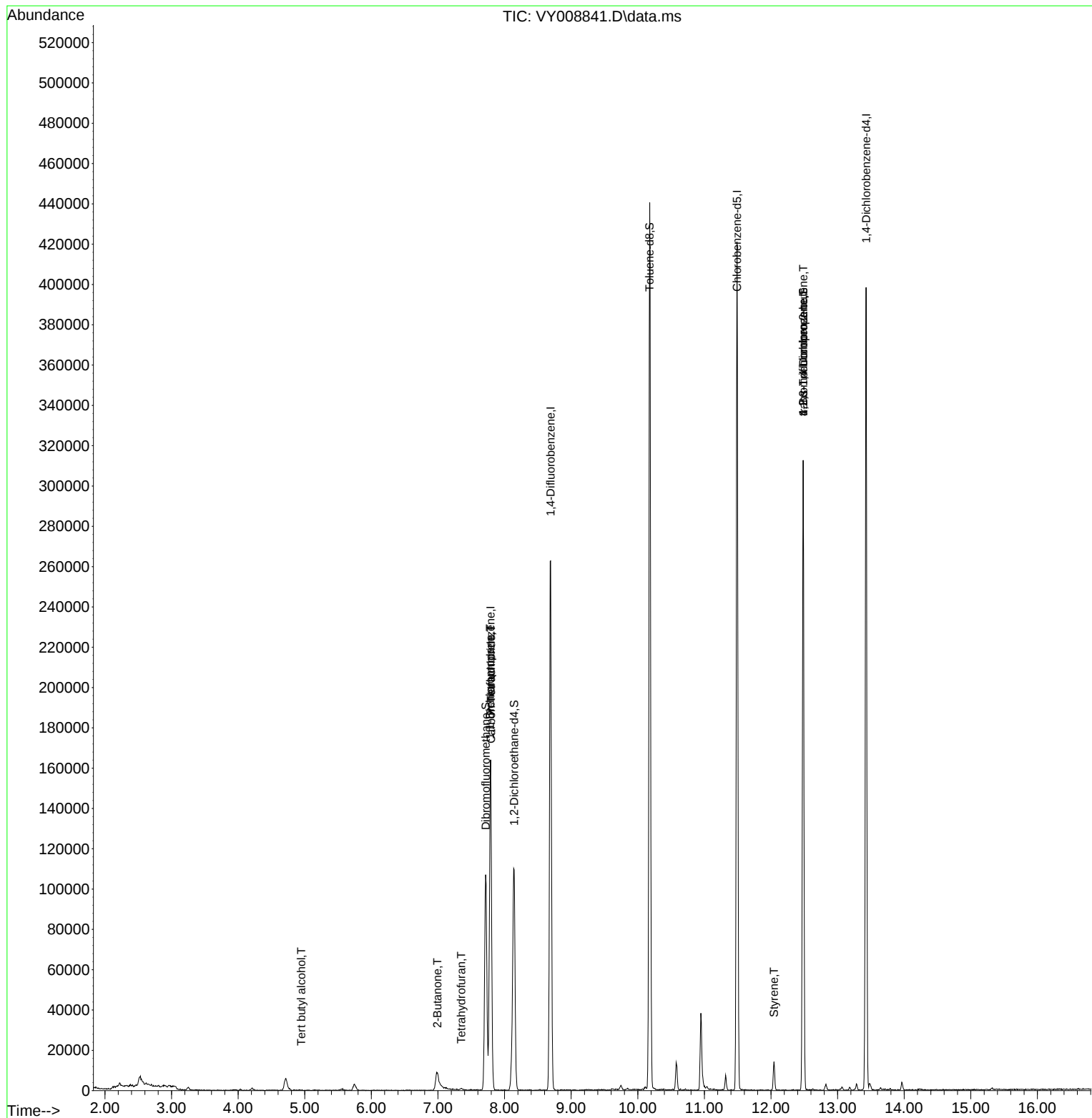
Internal Standards						
1) Pentafluorobenzene	7.789	168	123781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	226138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79208	68.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.960%	
35) Dibromofluoromethane	7.716	113	72860	55.144	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.280%	
50) Toluene-d8	10.179	98	282917	48.288	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.580%	
62) 4-Bromofluorobenzene	12.483	95	83441	40.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.040%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	63	Below Cal	#	43
3) Chloromethane	2.119	50	59	Below Cal	#	44
4) Vinyl Chloride	2.253	62	35	Below Cal	#	43
5) Bromomethane	2.638	94	121	Below Cal	#	4
6) Chloroethane	2.589	64	22	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	118	Below Cal	#	21
11) Tert butyl alcohol	4.948	59	194	1.529 ug/l	#	77
16) Acetone	3.954	43	516	Below Cal		95
17) Carbon Disulfide	4.198	76	114	Below Cal	#	75
18) Methyl Acetate	4.491	43	19	Below Cal	#	56
20) Methylene Chloride	4.723	84	4470	Below Cal	#	70
25) 2-Butanone	6.990	43	729	1.513 ug/l	#	54
29) Tetrahydrofuran	7.350	42	479	1.492 ug/l	#	85
31) Cyclohexane	7.789	56	3087	Below Cal	#	7
36) 1,1-Dichloropropene	7.783	75	10627	5.022 ug/l	#	49
38) Carbon Tetrachloride	7.795	117	12662	5.583 ug/l	#	15
70) Styrene	12.044	104	7057	1.443 ug/l	#	83
76) 1,2,3-Trichloropropane	12.483	75	47429	43.591 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47429	95.346 ug/l	#	7

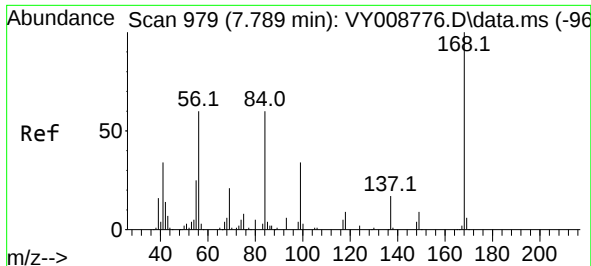
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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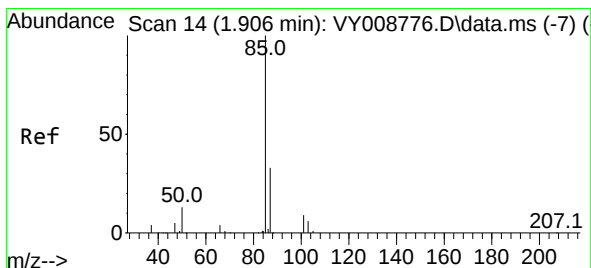
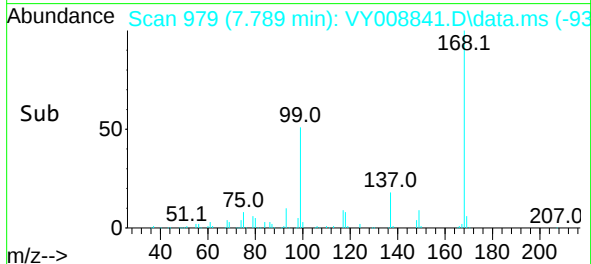
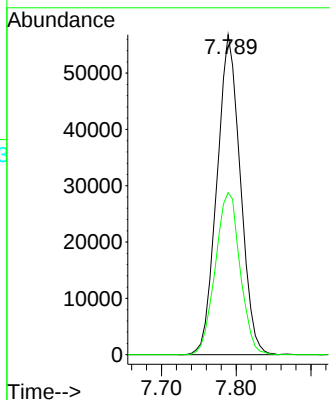
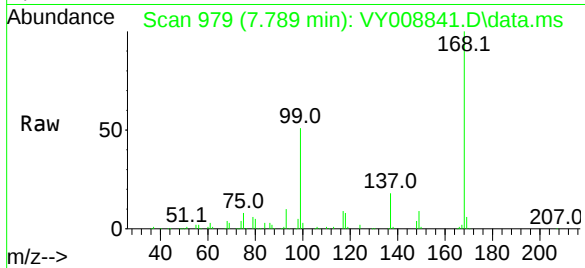




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

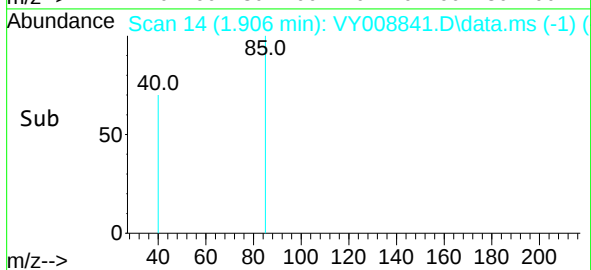
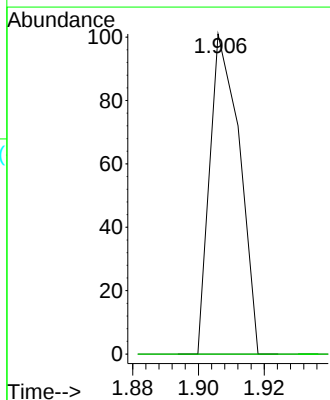
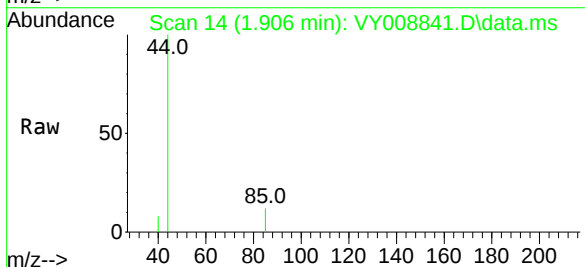
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

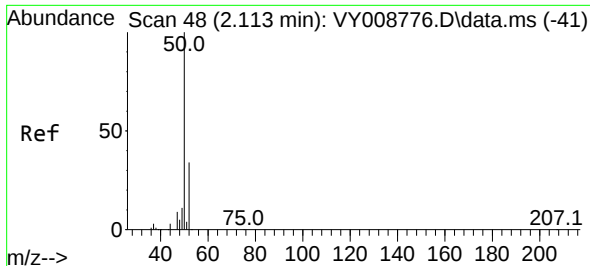
Tgt Ion:168 Resp: 123781
Ion Ratio Lower Upper
168 100
99 50.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion: 85 Resp: 63
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

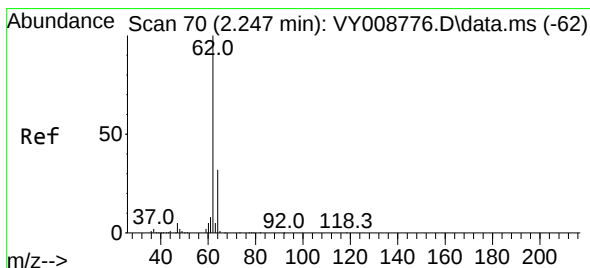
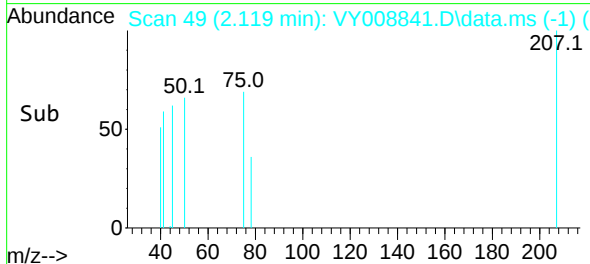
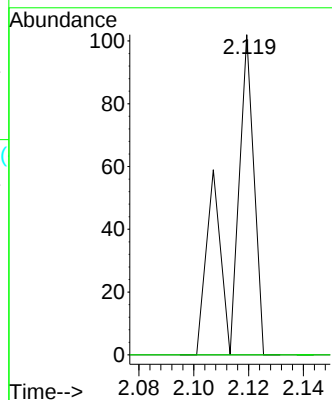
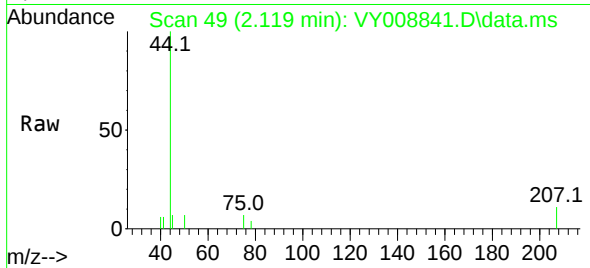




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

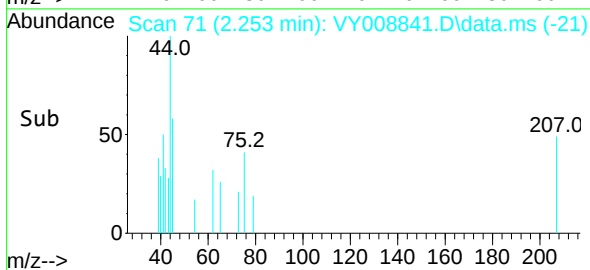
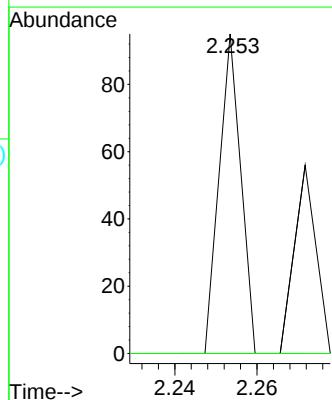
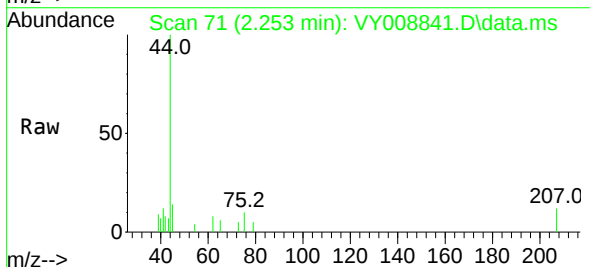
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

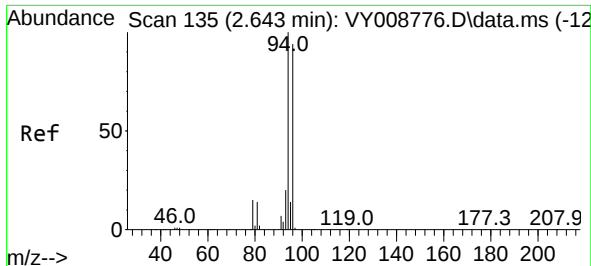
Tgt Ion: 50 Resp: 59
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion: 62 Resp: 35
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

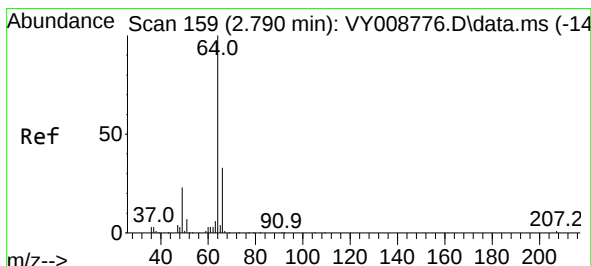
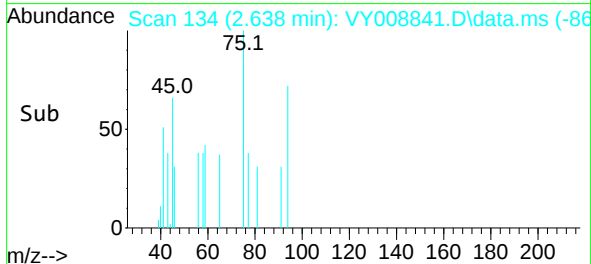
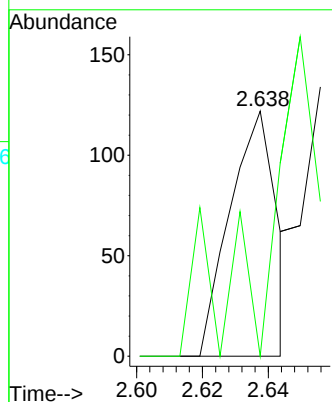
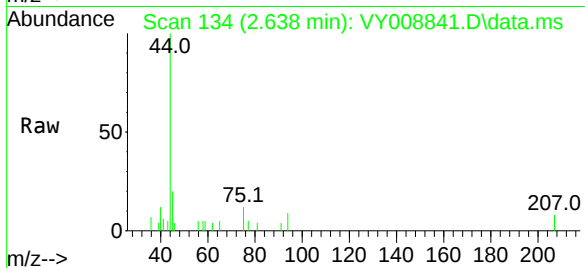




#5
Bromomethane
Concen: Below Cal
RT: 2.638 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

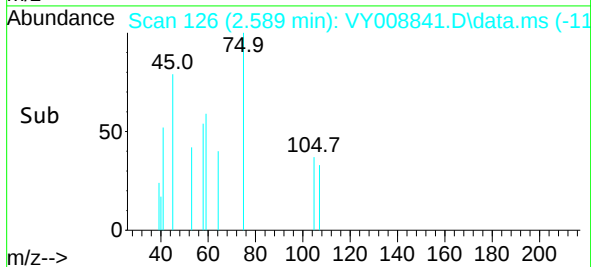
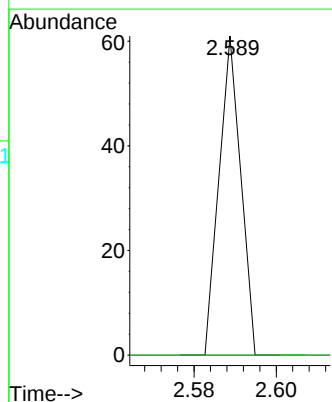
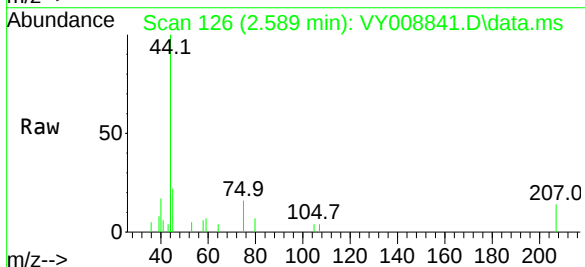
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

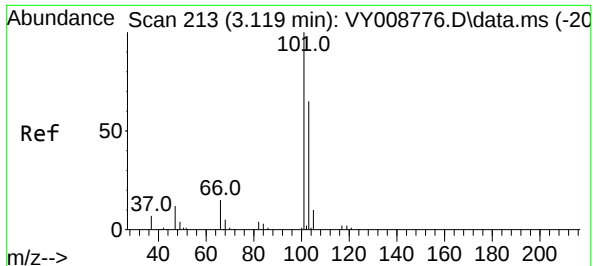
Tgt Ion: 94 Resp: 121
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.589 min Scan# 126
Delta R.T. -0.201 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

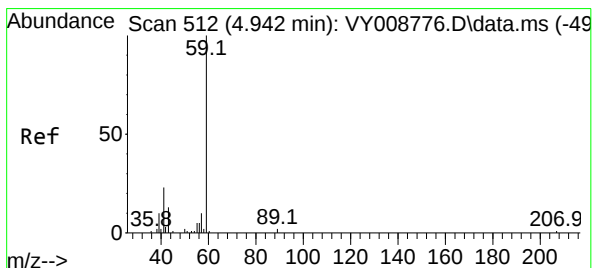
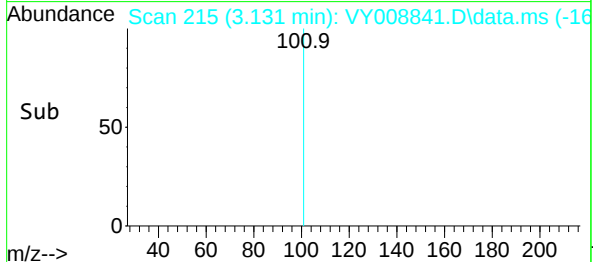
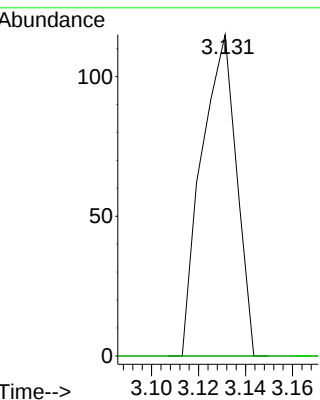
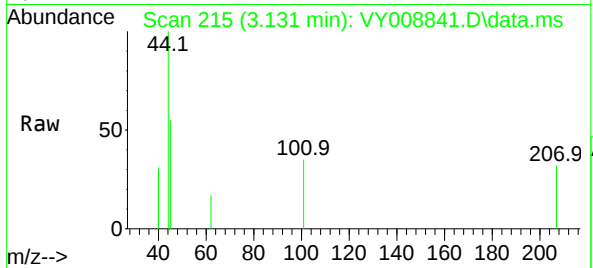




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 213
Delta R.T. 0.012 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

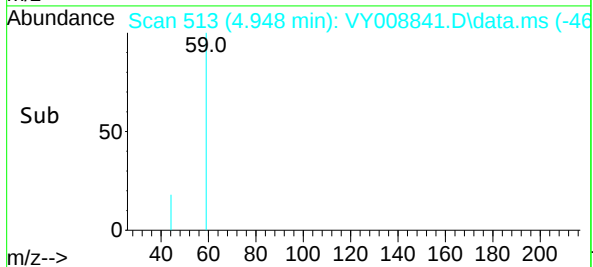
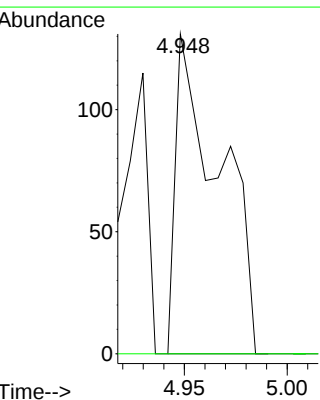
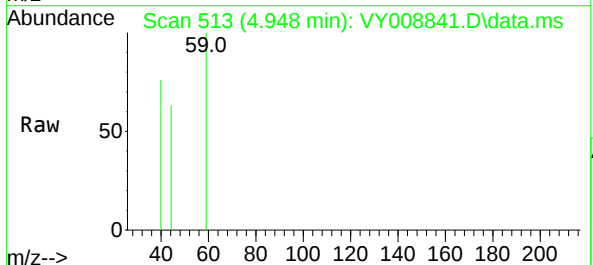
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

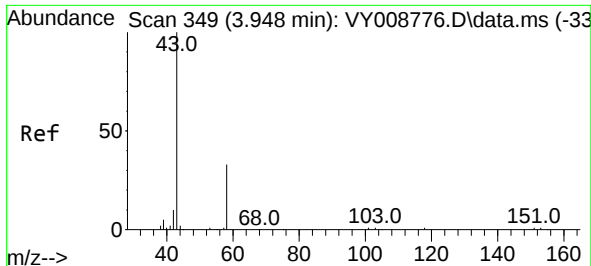
Tgt Ion:101 Resp: 118
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 1.529 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY008841.D

Acq: 19 May 2022 02:35

Instrument :

MSVOA_Y

ClientSampleId :

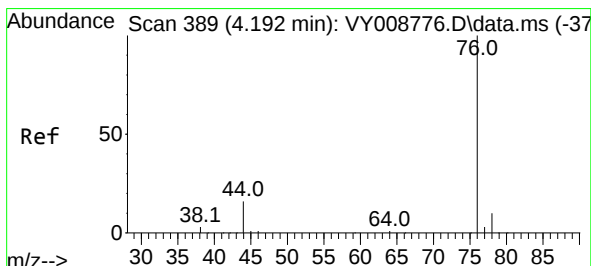
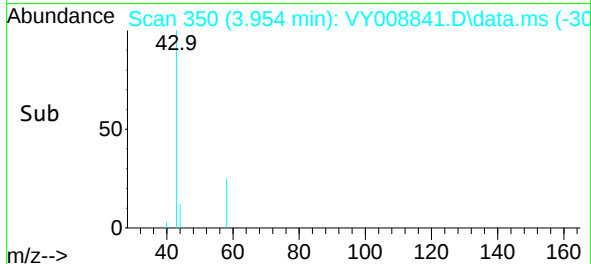
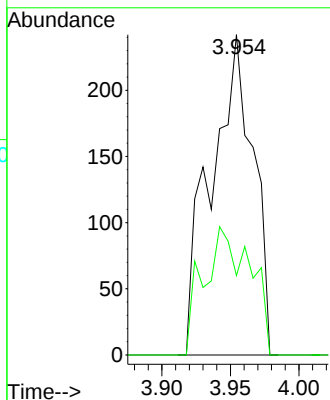
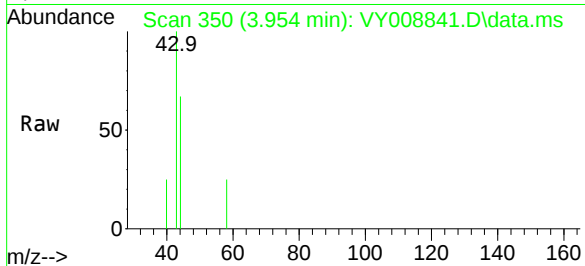
P031-SS001-1824-01

Tgt Ion: 43 Resp: 516

Ion Ratio Lower Upper

43 100

58 24.8 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY008841.D

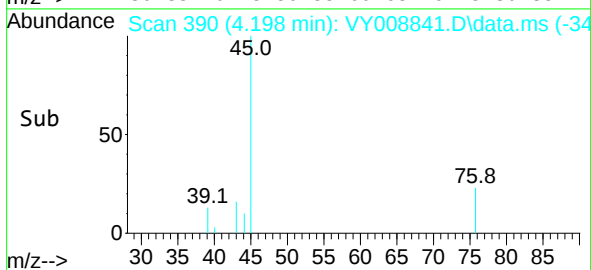
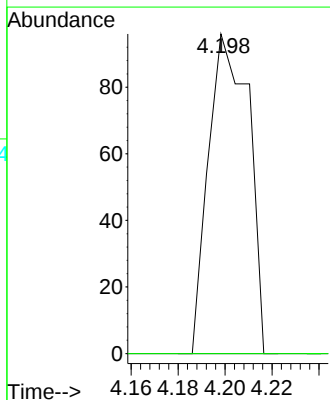
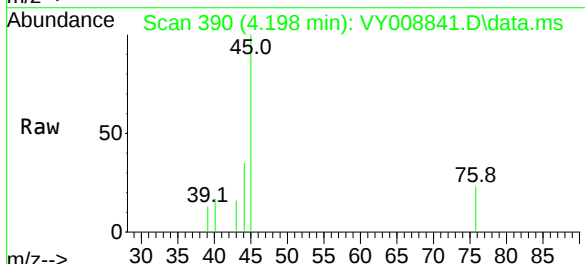
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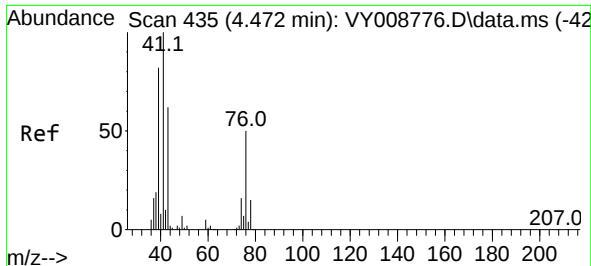
Tgt Ion: 76 Resp: 114

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY008841.D

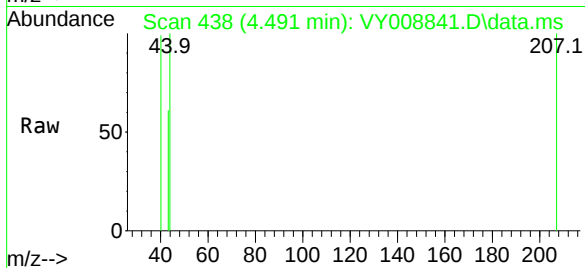
Acq: 19 May 2022 02:35

Instrument :

MSVOA_Y

ClientSampleId :

P031-SS001-1824-01

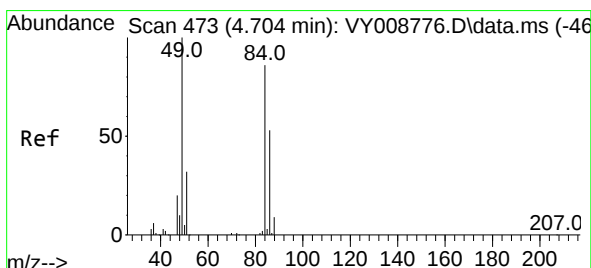
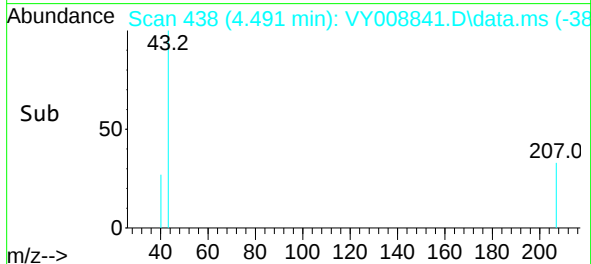
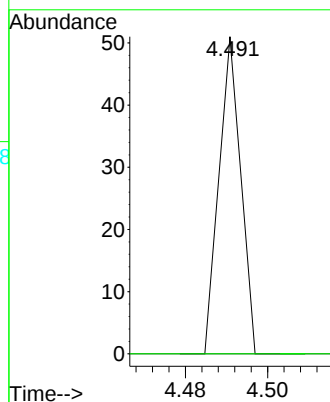


Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 476

Delta R.T. 0.019 min

Lab File: VY008841.D

Acq: 19 May 2022 02:35

Tgt Ion: 84 Resp: 4470

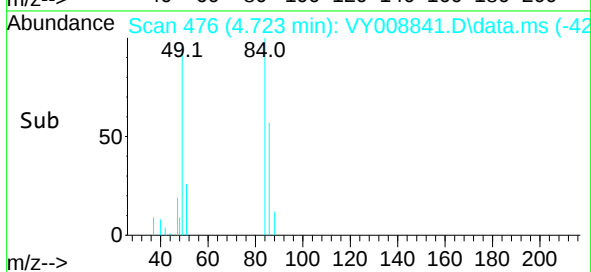
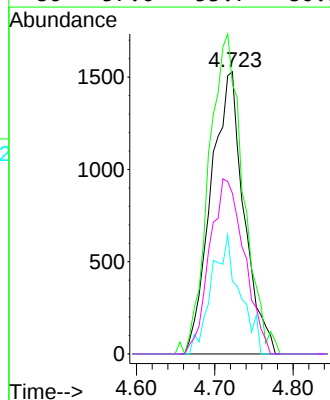
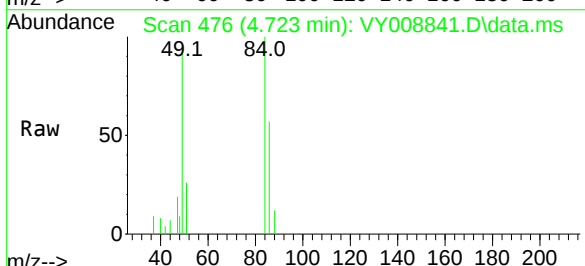
Ion Ratio Lower Upper

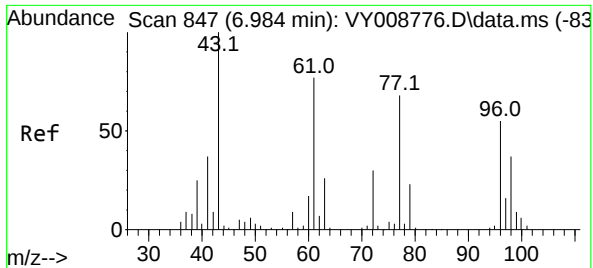
84 100

49 95.7 114.4 171.6#

51 25.8 35.3 52.9#

86 57.0 53.7 80.5





#25

2-Butanone

Concen: 1.513 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY008841.D

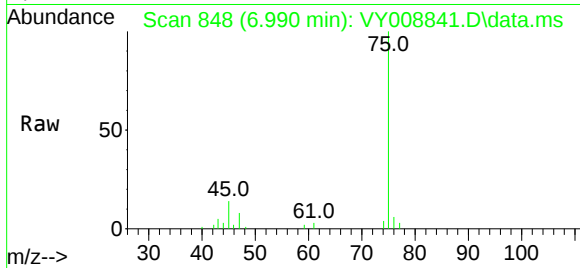
Acq: 19 May 2022 02:35

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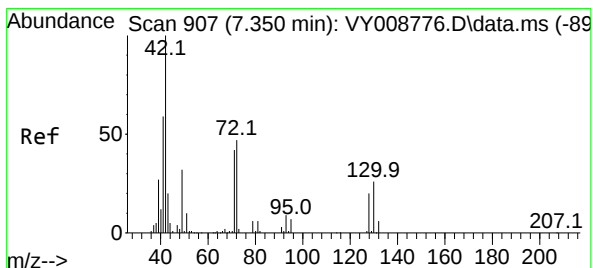
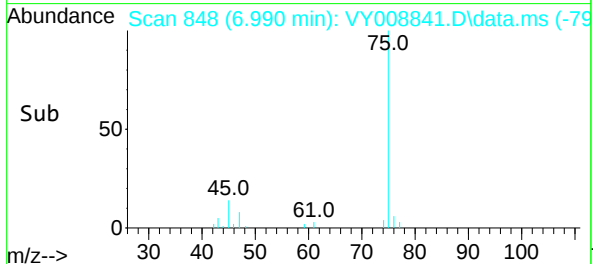
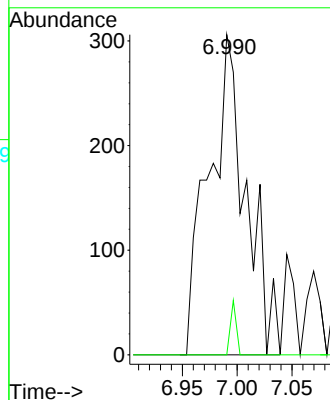


Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.492 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY008841.D

Acq: 19 May 2022 02:35

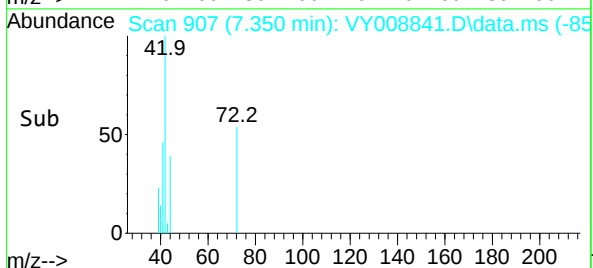
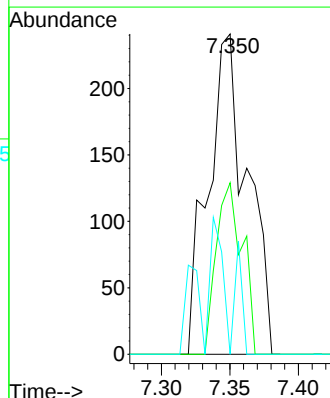
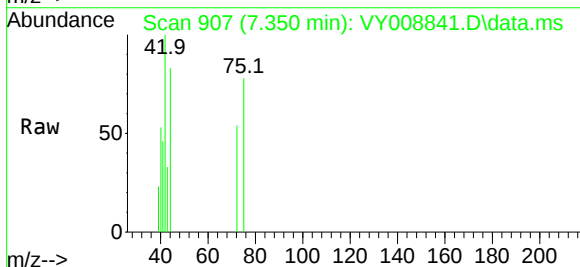
Tgt Ion: 42 Resp: 479

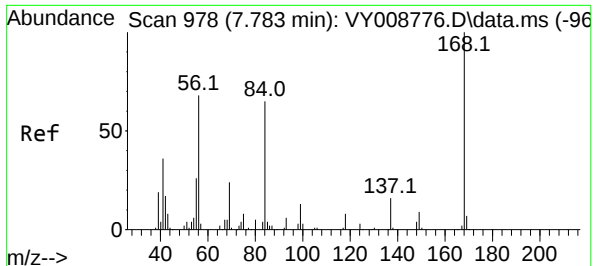
Ion Ratio Lower Upper

42 100

72 35.7 30.3 45.5

71 20.3 29.0 43.4#

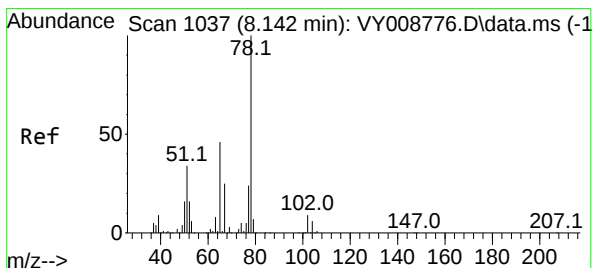
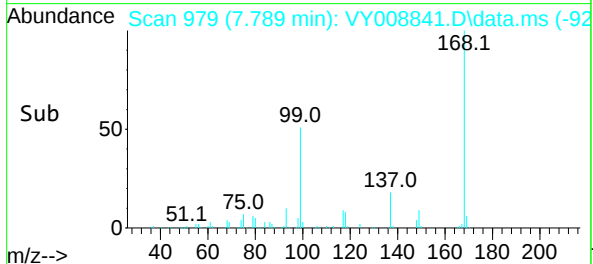
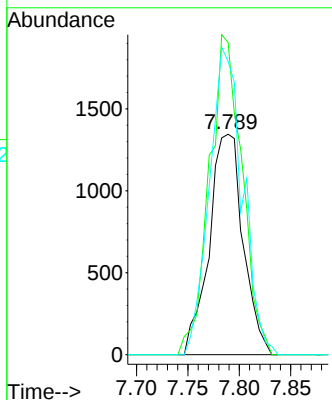
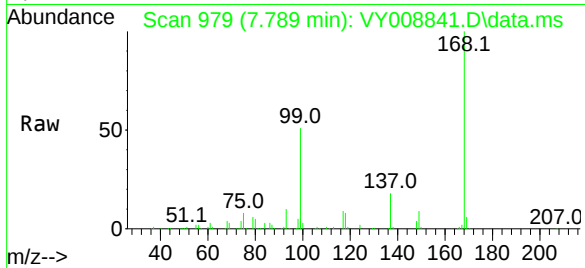




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

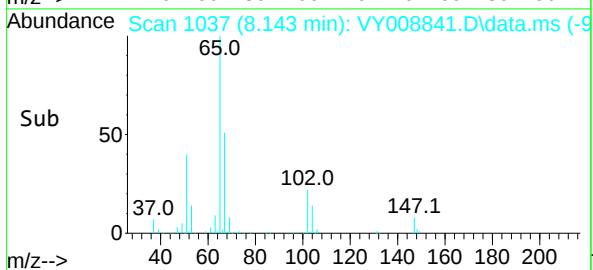
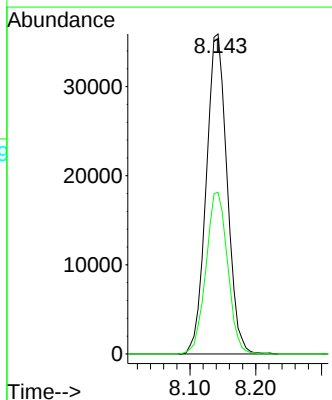
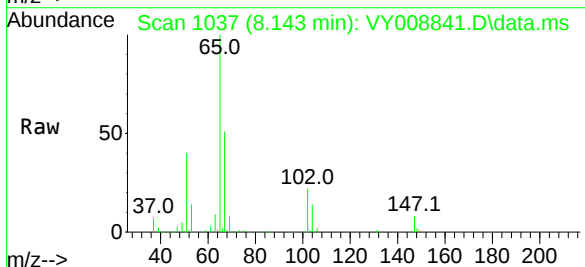
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

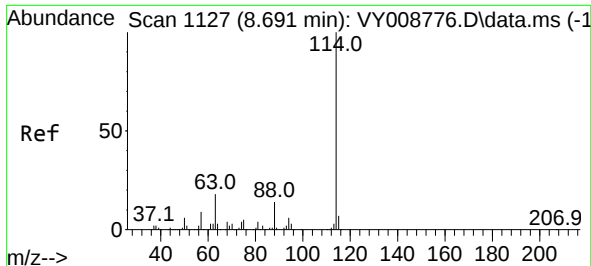
Tgt Ion: 56 Resp: 3087
Ion Ratio Lower Upper
56 100
69 141.5 26.7 40.1#
84 133.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.977 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion: 65 Resp: 79208
Ion Ratio Lower Upper
65 100
67 52.4 0.0 99.4

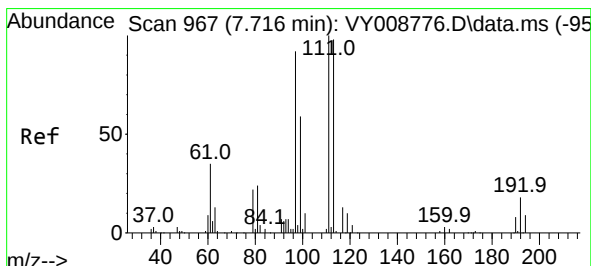
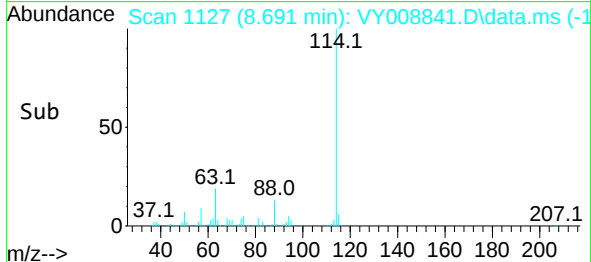
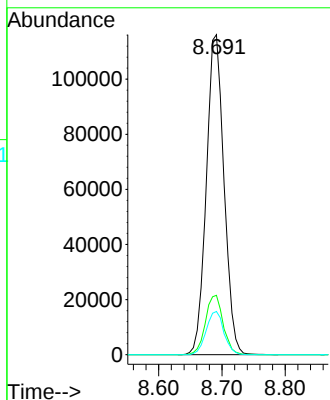
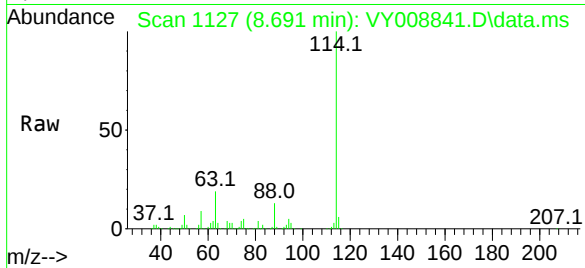




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

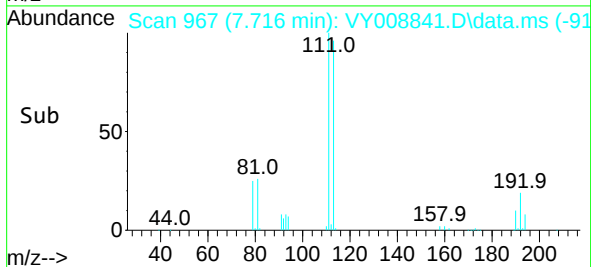
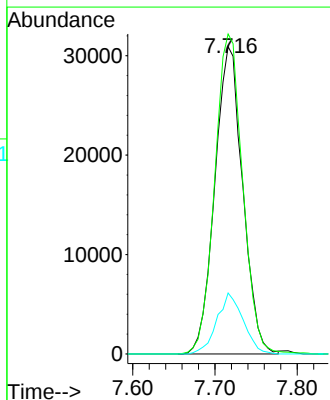
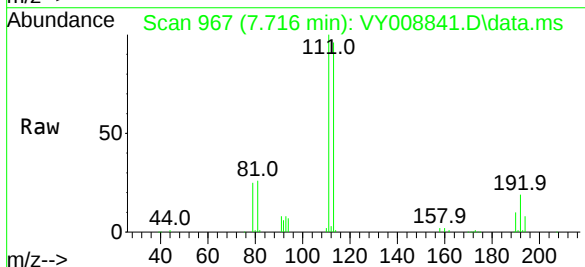
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

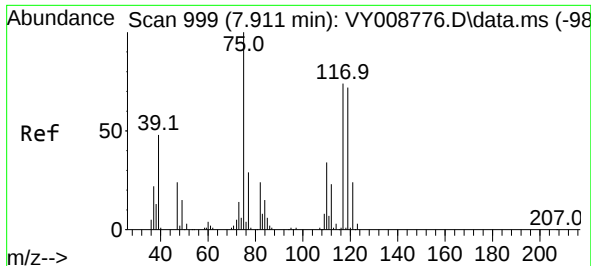
Tgt Ion:	114	Resp:	226138
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	43.2
88	13.5	0.0	31.8



#35
Dibromofluoromethane
Concen: 55.144 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion:	113	Resp:	72860
Ion Ratio	Lower	Upper	
113	100		
111	104.4	82.6	124.0
192	18.7	17.6	26.4

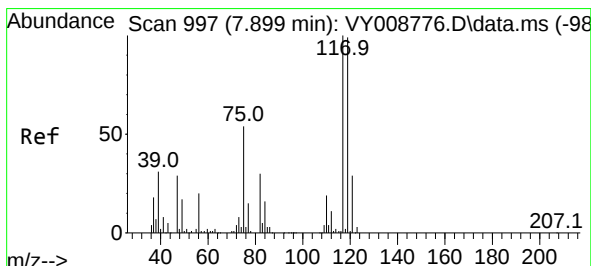
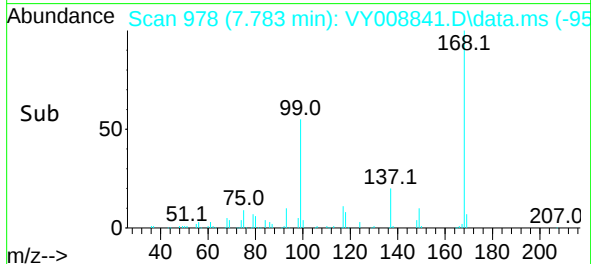
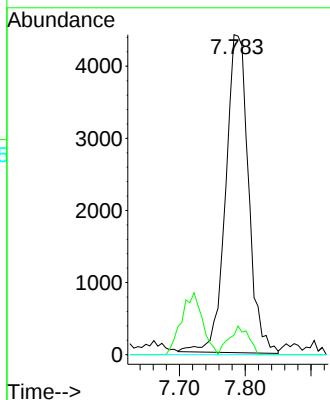
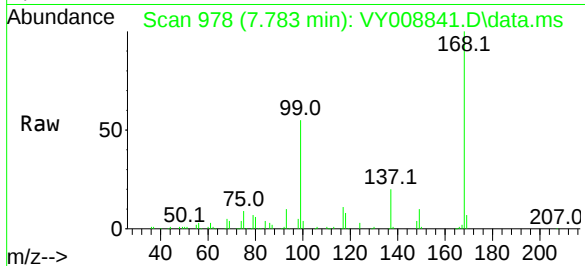




#36
 1,1-Dichloropropene
 Concen: 5.022 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY008841.D
 Acq: 19 May 2022 02:35

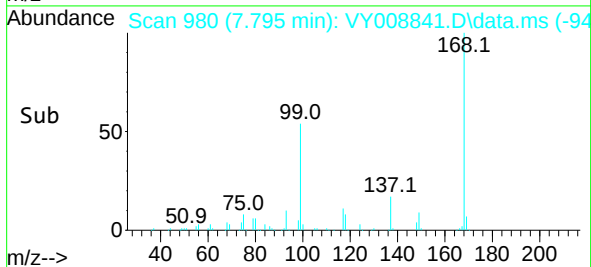
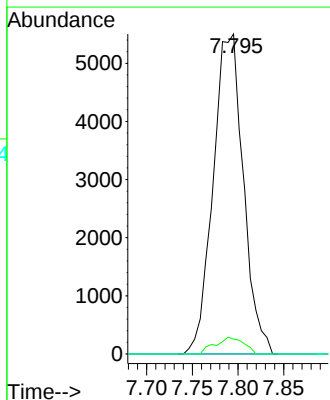
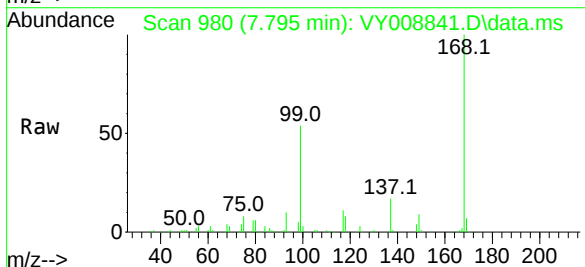
Instrument :
 MSVOA_Y
 ClientSampleId :
 P031-SS001-1824-01

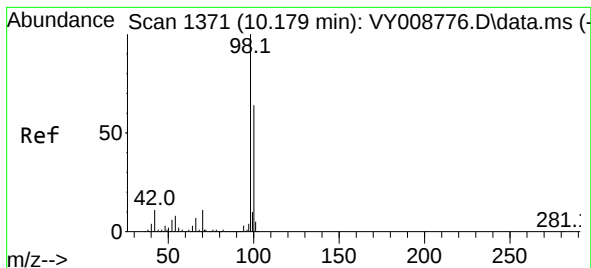
Tgt Ion: 75 Resp: 10627
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.583 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.103 min
 Lab File: VY008841.D
 Acq: 19 May 2022 02:35

Tgt Ion: 117 Resp: 12662
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.9 116.9#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.288 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008841.D

Acq: 19 May 2022 02:35

Instrument :

MSVOA_Y

ClientSampleId :

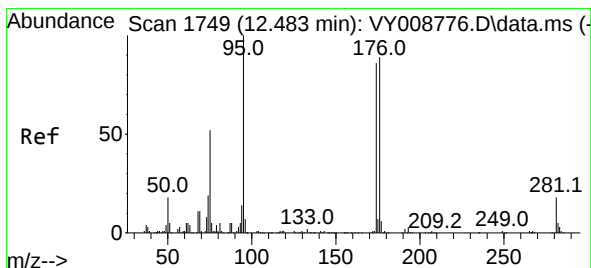
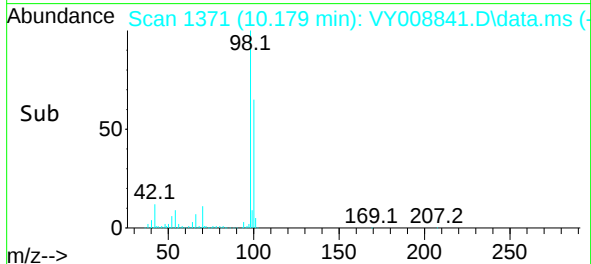
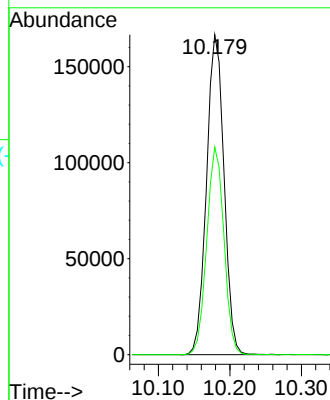
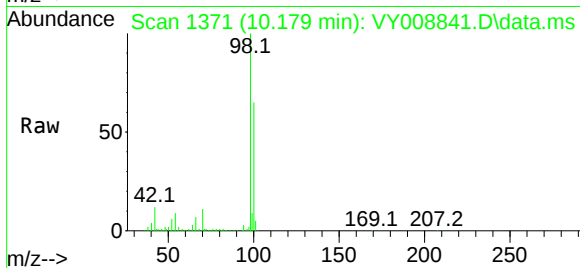
P031-SS001-1824-01

Tgt Ion: 98 Resp: 282917

Ion Ratio Lower Upper

98 100

100 63.8 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 40.522 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008841.D

Acq: 19 May 2022 02:35

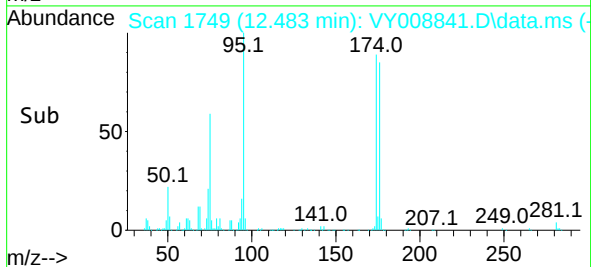
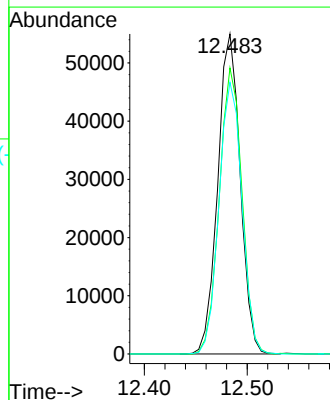
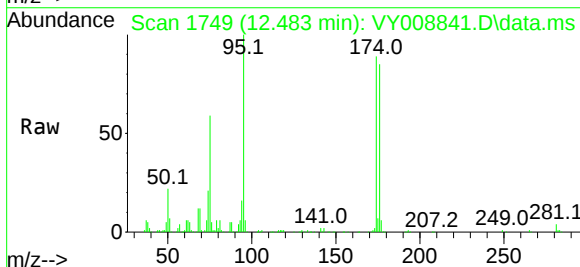
Tgt Ion: 95 Resp: 83441

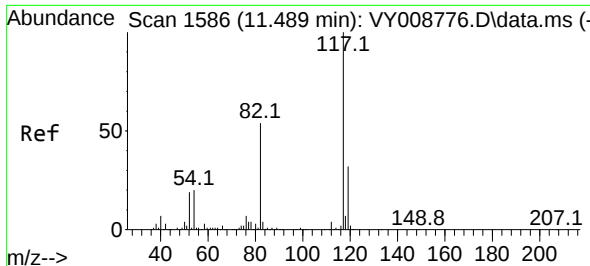
Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.0

176 86.8 0.0 175.8

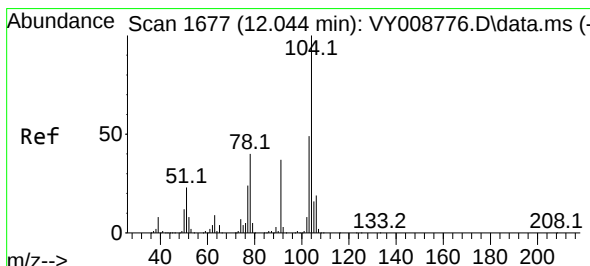
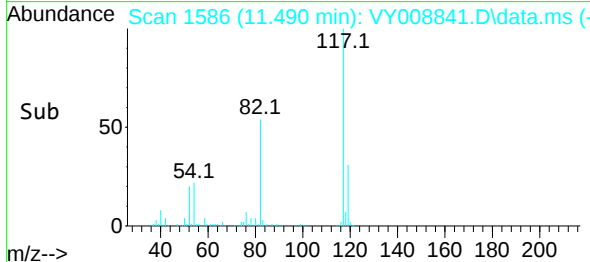
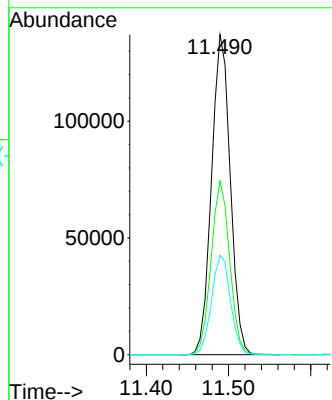
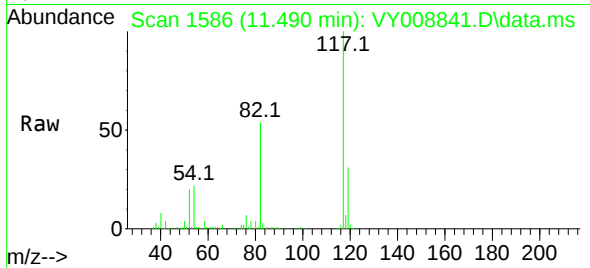




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

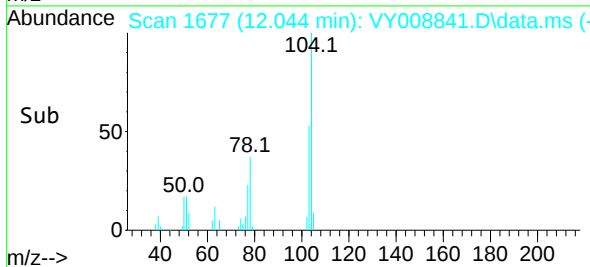
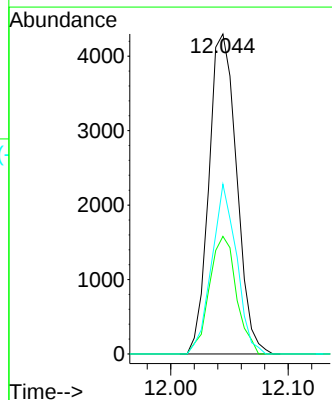
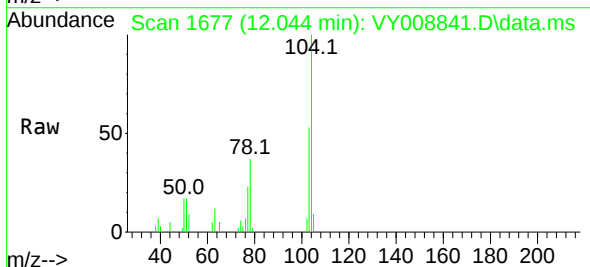
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

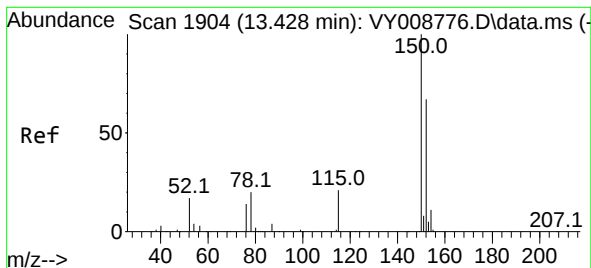
Tgt Ion:	117	Resp:	217106
Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.0	64.4
119	31.1	25.4	38.0



#70
Styrene
Concen: 1.443 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

Tgt Ion:	104	Resp:	7057
Ion	Ratio	Lower	Upper
104	100		
78	35.8	42.4	63.6
103	47.5	44.4	66.6

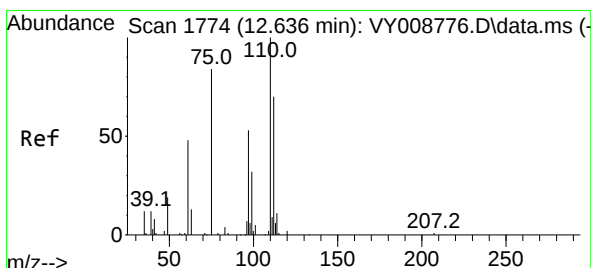
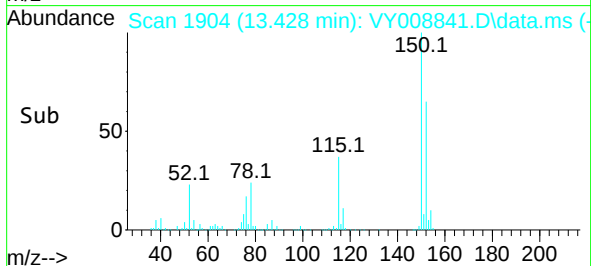
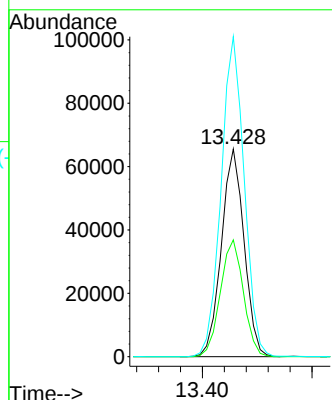
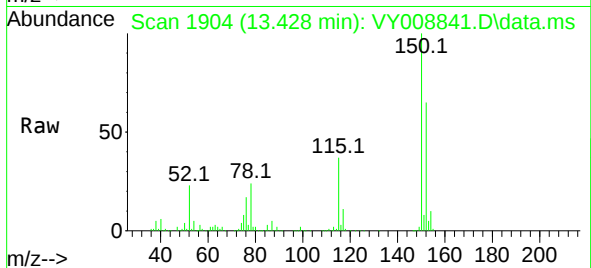




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

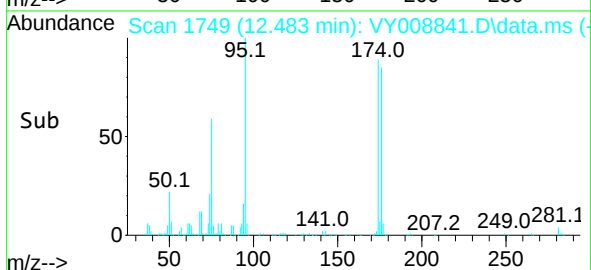
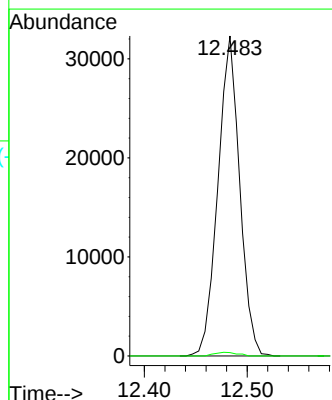
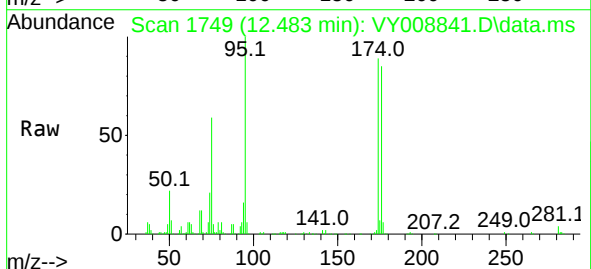
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1824-01

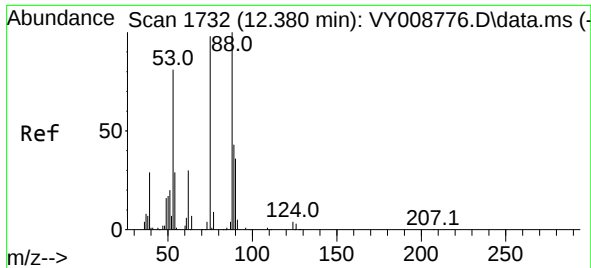
Tgt Ion:152 Resp: 94191
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 157.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 43.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008841.D
Acq: 19 May 2022 02:35

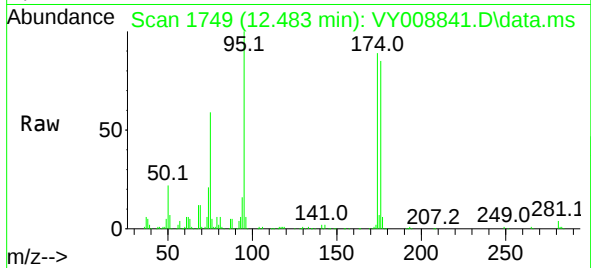
Tgt Ion: 75 Resp: 47429
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.346 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008841.D
 Acq: 19 May 2022 02:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 P031-SS001-1824-01



Tgt Ion: 75 Resp: 47429
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

