

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014986.D
 Acq On : 08 Aug 2023 15:35
 Operator : SY/MD
 Sample : 03911-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSCR206(164716)

Quant Time: Aug 09 01:01:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

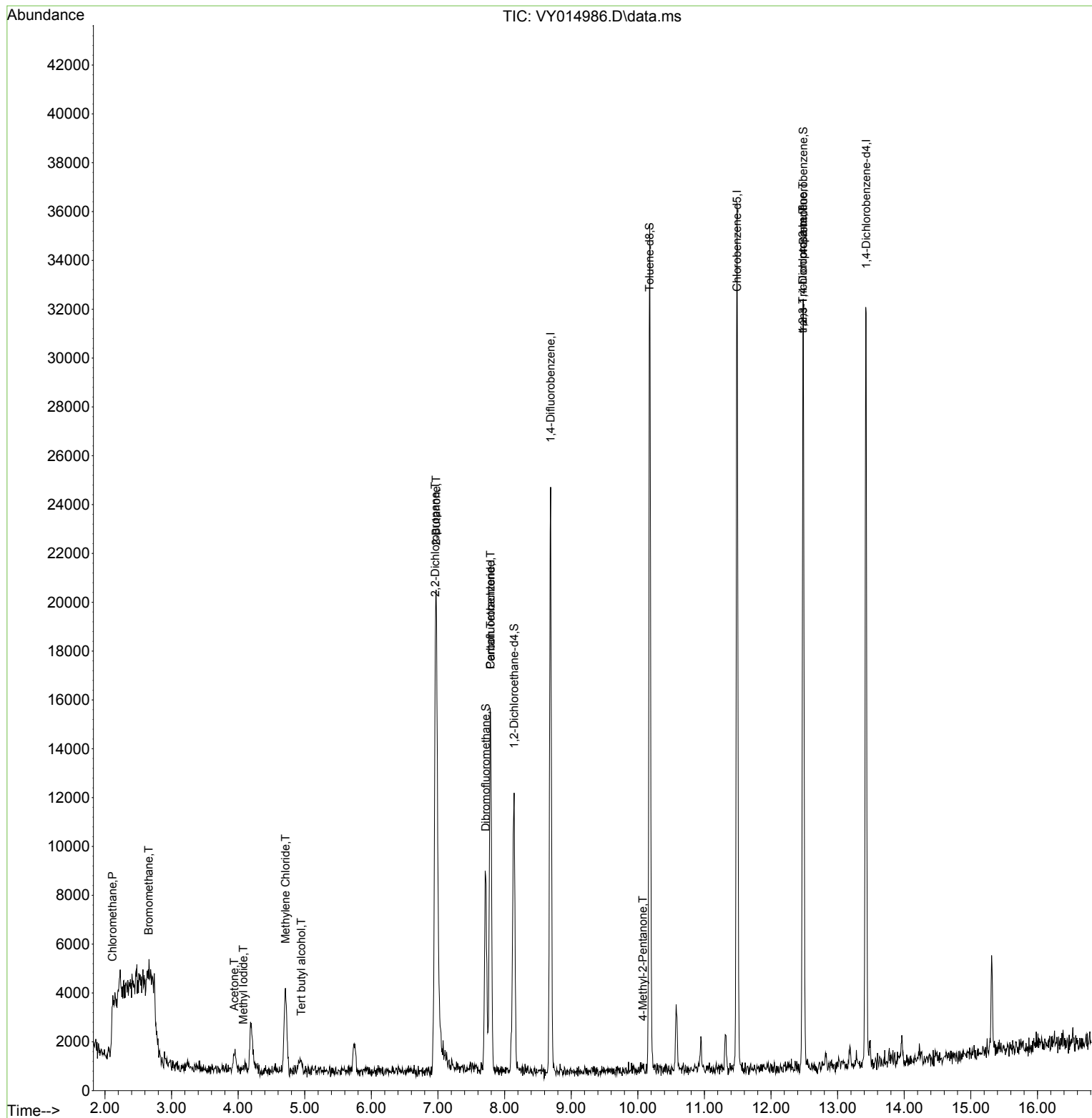
Internal Standards						
1) Pentafluorobenzene	7.789	168	11735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	20030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	19105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8478	59.607	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.220%
35) Dibromofluoromethane	7.716	113	6053	47.257	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.520%
50) Toluene-d8	10.179	98	23166	47.517	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.040%
62) 4-Bromofluorobenzene	12.483	95	8683	50.252	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	295	3.194	ug/l	98
5) Bromomethane	2.656	94	507	2.948	ug/l #	35
10) Methyl Iodide	4.076	142	135	1.227	ug/l #	38
11) Tert butyl alcohol	4.948	59	308	8.973	ug/l #	89
16) Acetone	3.942	43	1651	37.225	ug/l	98
20) Methylene Chloride	4.710	84	2551	1.069	ug/l	91
25) 2-Butanone	6.972	43	1457	22.936	ug/l #	49
26) 2,2-Dichloropropane	6.960	77	1646	7.971	ug/l #	54
31) Cyclohexane	7.783	56	273	Below Cal	#	30
38) Carbon Tetrachloride	7.789	117	1412	7.898	ug/l #	12
51) 4-Methyl-2-Pentanone	10.075	43	290	2.194	ug/l #	39
76) 1,2,3-Trichloropropane	12.477	75	4853	47.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4853	103.823	ug/l #	10

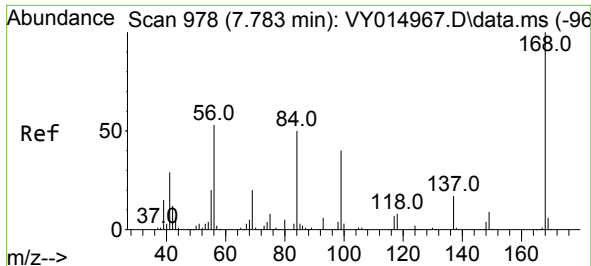
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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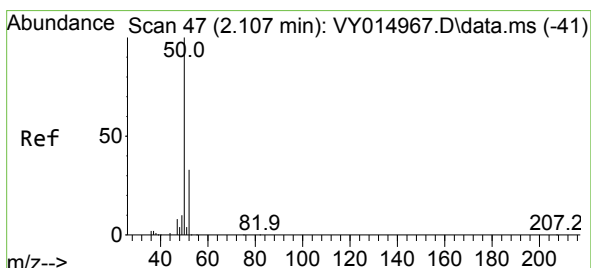
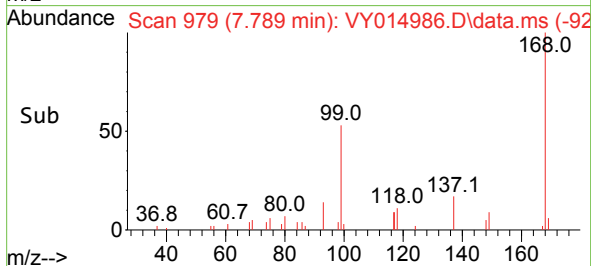
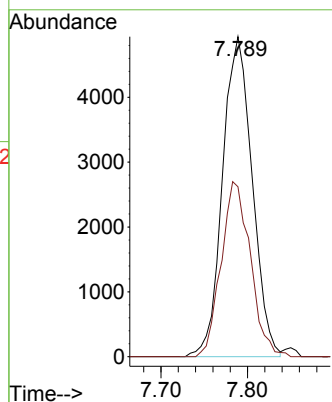
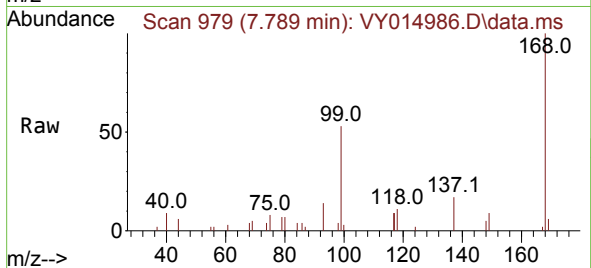




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

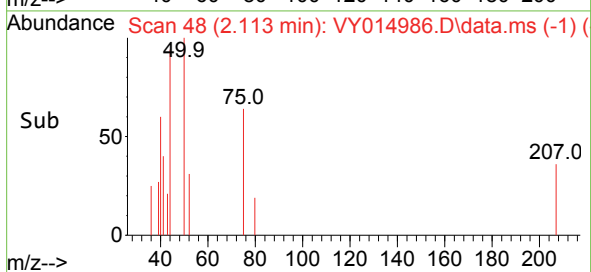
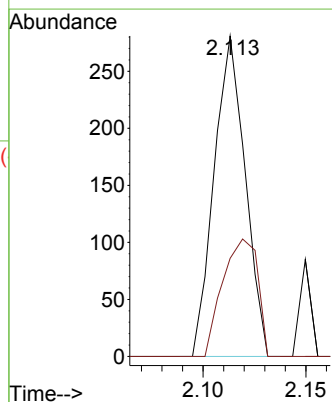
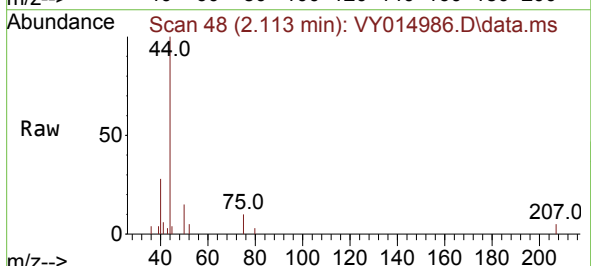
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

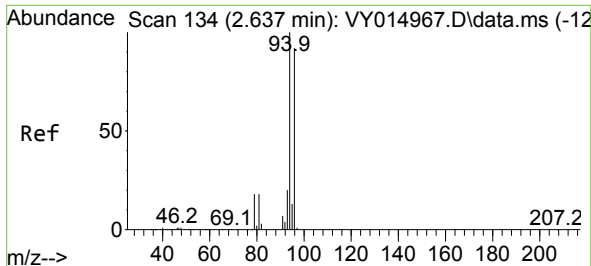
Tgt Ion:168 Resp: 11735
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#3
Chloromethane
Concen: 3.194 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 30.6 25.4 38.2

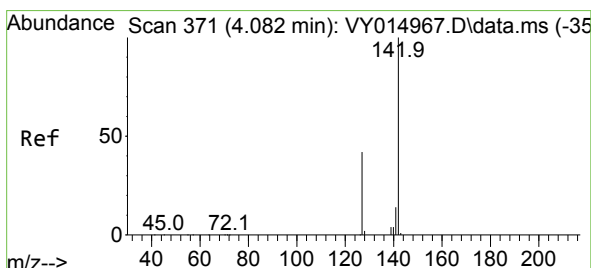
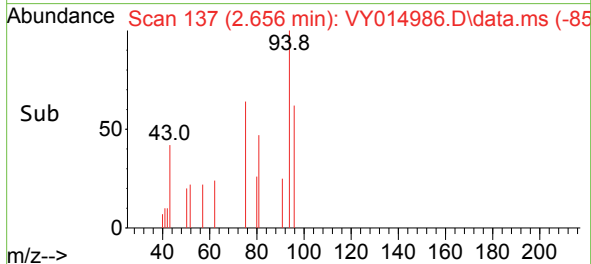
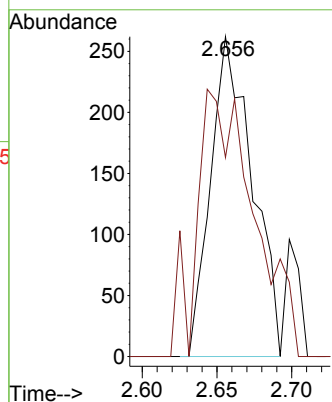
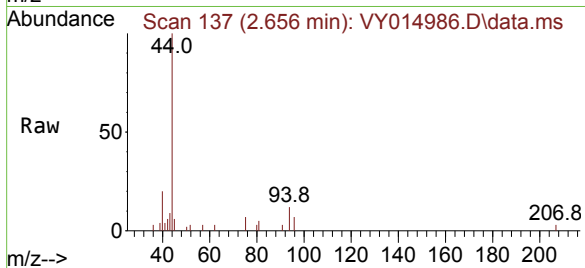




#5
Bromomethane
Concen: 2.948 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

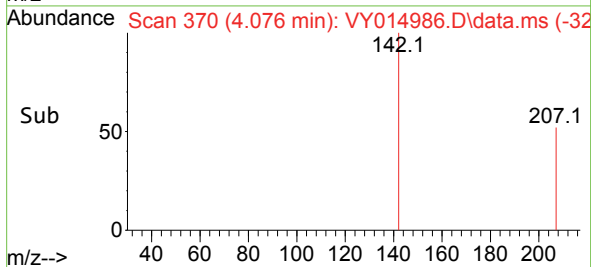
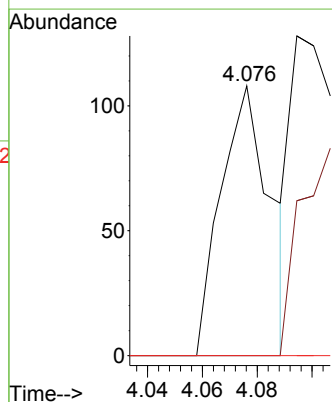
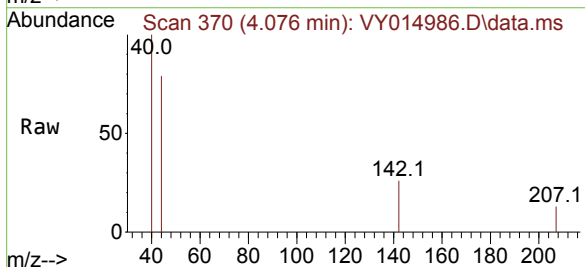
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

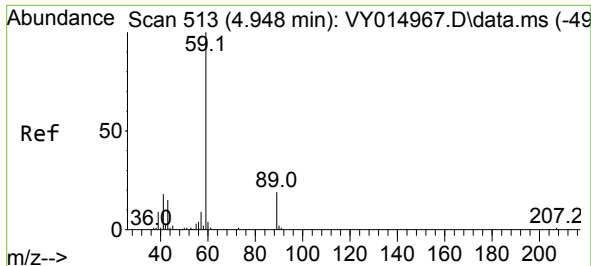
Tgt Ion: 94 Resp: 507
Ion Ratio Lower Upper
94 100
96 31.7 75.8 113.6#



#10
Methyl Iodide
Concen: 1.227 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

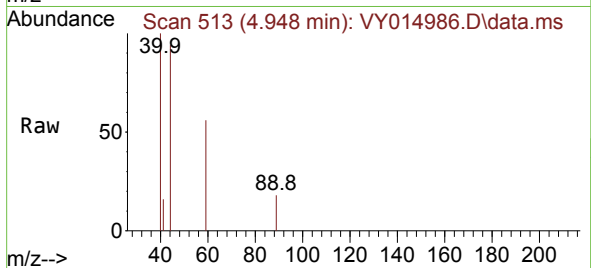
Tgt Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



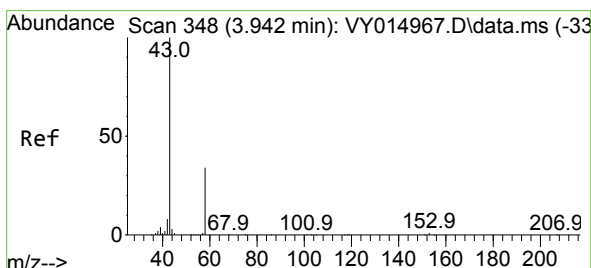
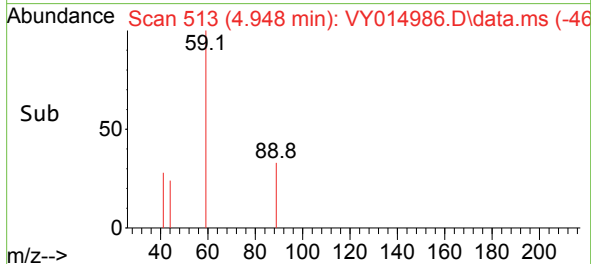
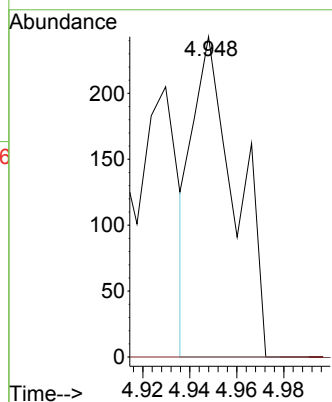


#11
Tert butyl alcohol
Concen: 8.973 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

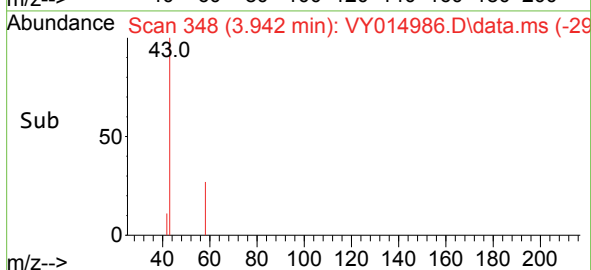
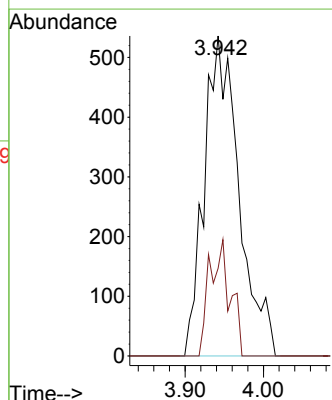
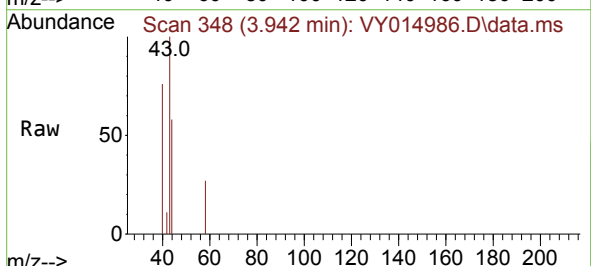


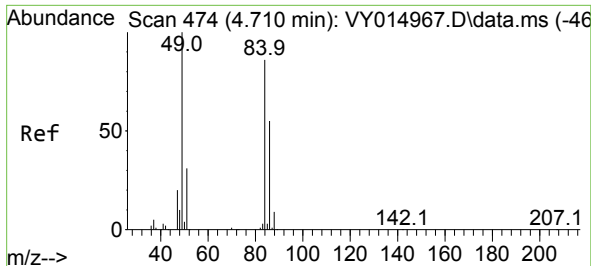
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 37.225 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
58 27.4 22.7 34.1

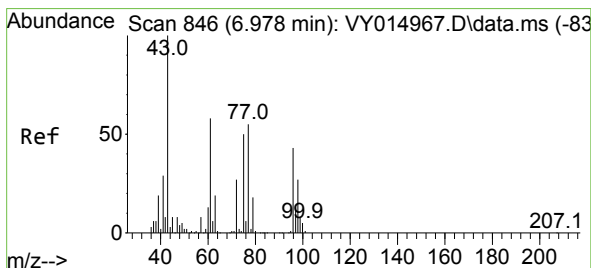
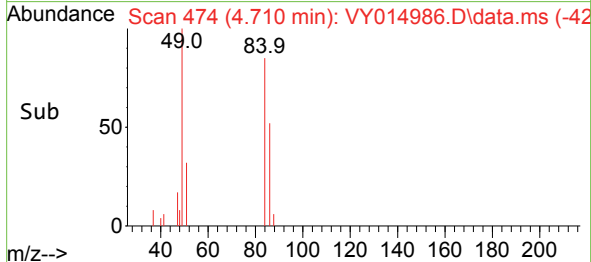
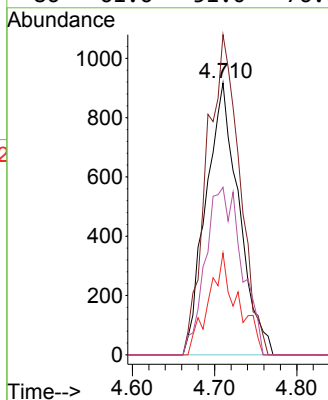
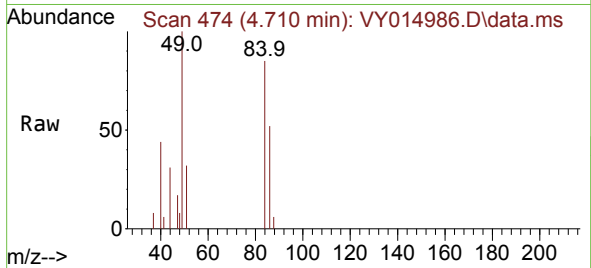




#20
Methylene Chloride
Concen: 1.069 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

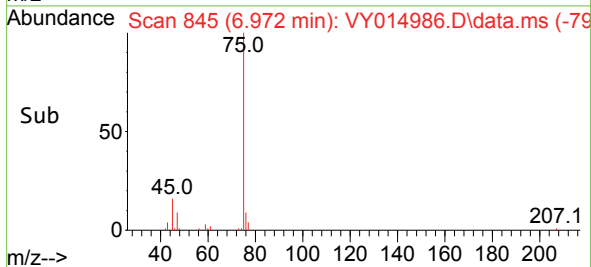
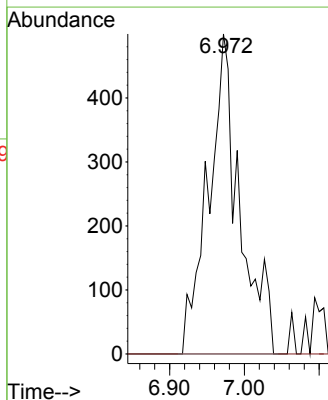
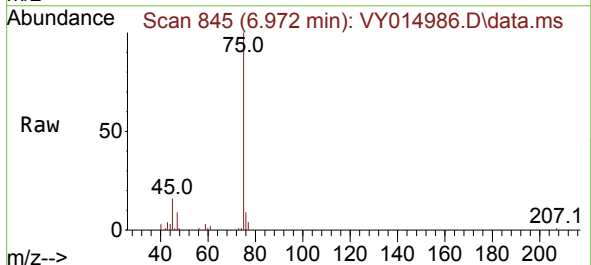
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

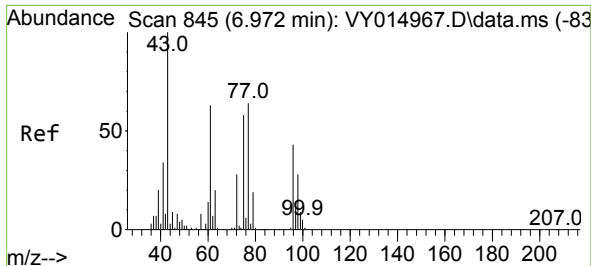
Tgt Ion:	84	Resp:	2551
Ion	Ratio	Lower	Upper
84	100		
49	117.8	106.9	160.3
51	37.4	33.2	49.8
86	61.6	51.0	76.6



#25
2-Butanone
Concen: 22.936 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Tgt Ion:	43	Resp:	1457
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 7.971 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014986.D

Acq: 08 Aug 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

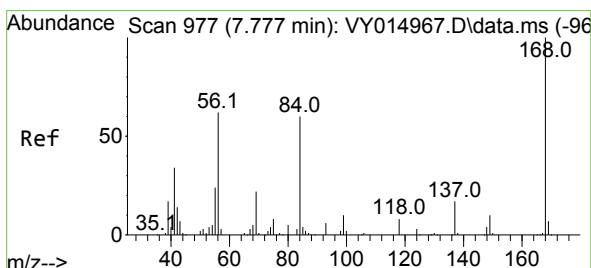
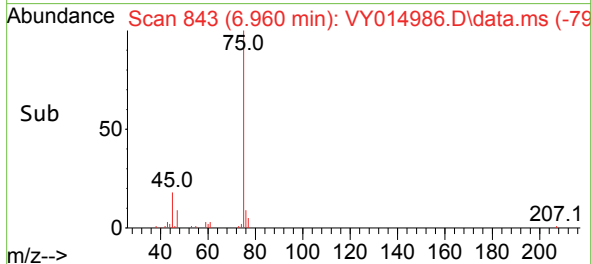
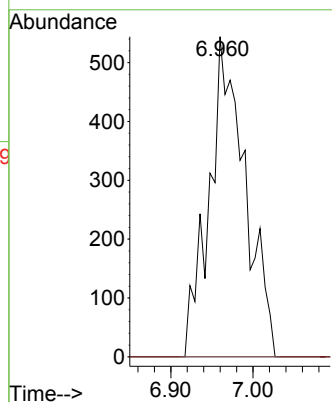
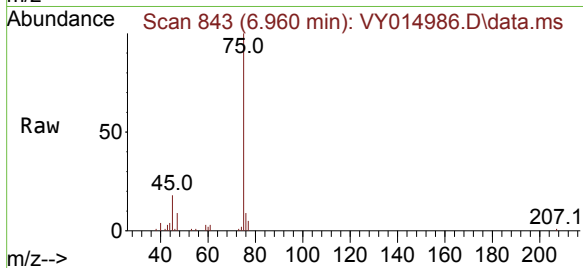
PSCR206(164716)

Tgt Ion: 77 Resp: 1646

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014986.D

Acq: 08 Aug 2023 15:35

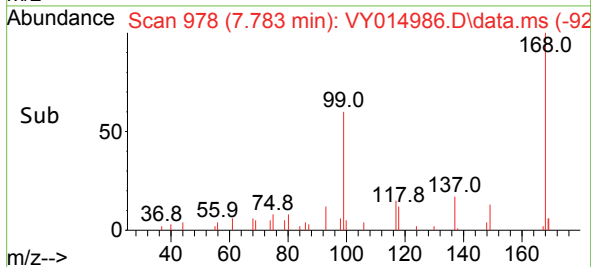
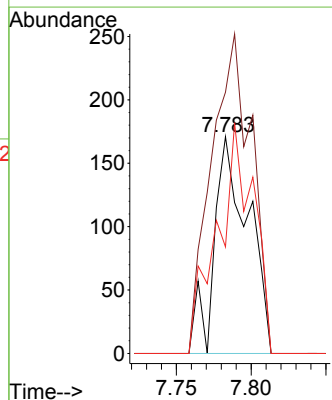
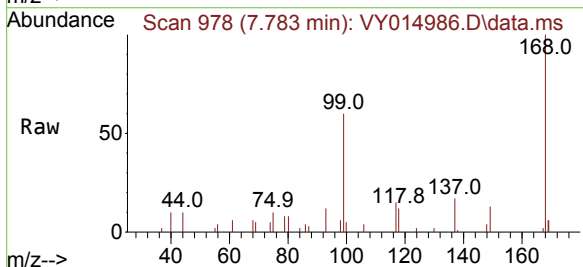
Tgt Ion: 56 Resp: 273

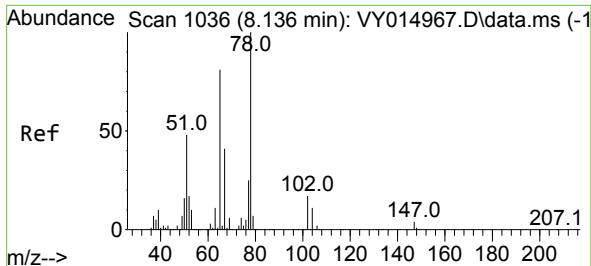
Ion Ratio Lower Upper

56 100

69 120.5 27.8 41.6#

84 49.1 66.4 99.6#

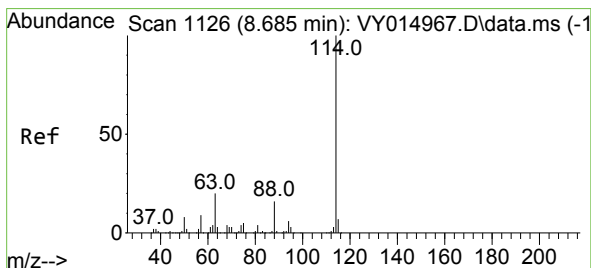
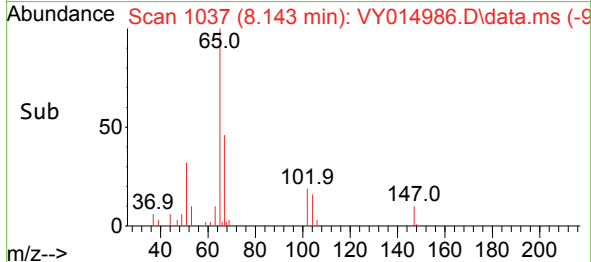
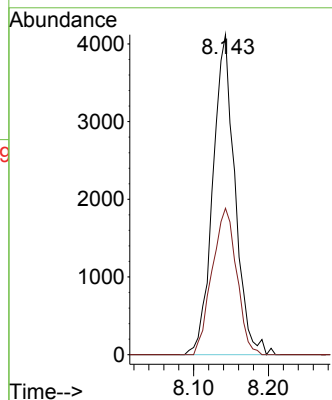
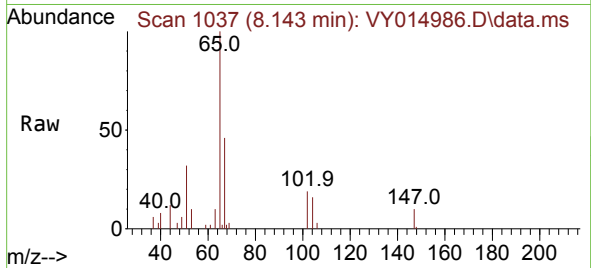




#33
 1,2-Dichloroethane-d4
 Concen: 59.607 ug/l
 RT: 8.143 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VY014986.D
 Acq: 08 Aug 2023 15:35

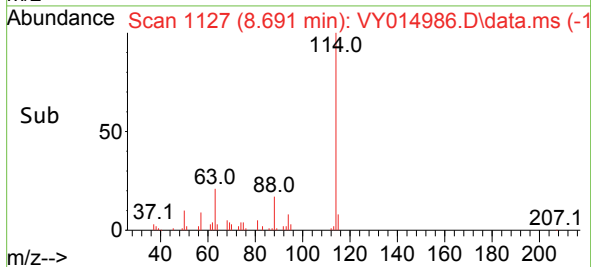
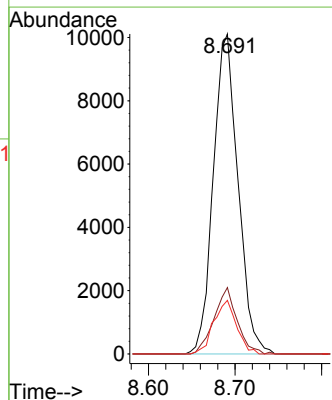
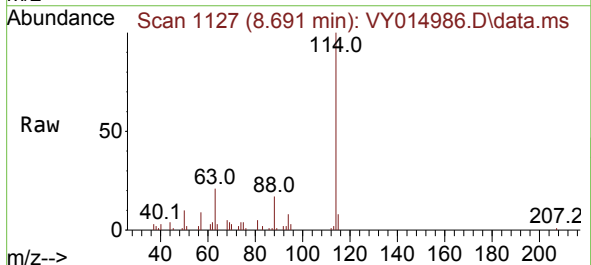
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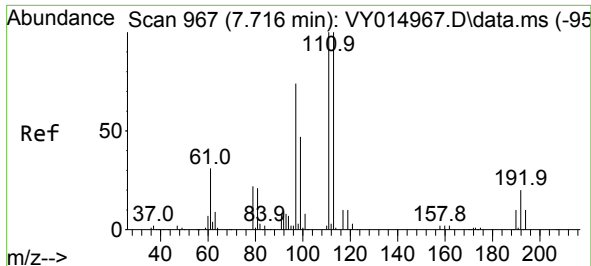
Tgt Ion: 65 Resp: 8478
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014986.D
 Acq: 08 Aug 2023 15:35

Tgt Ion: 114 Resp: 20030
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 16.8 0.0 30.6

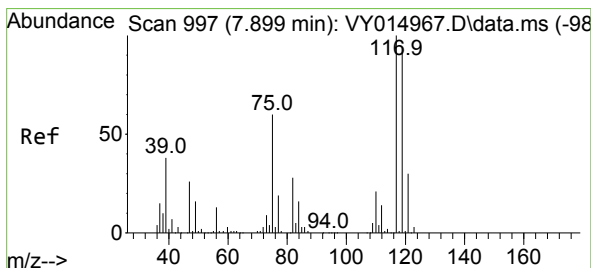
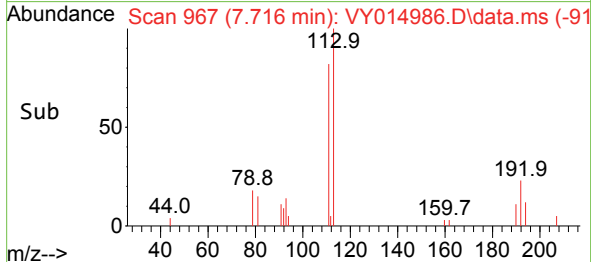
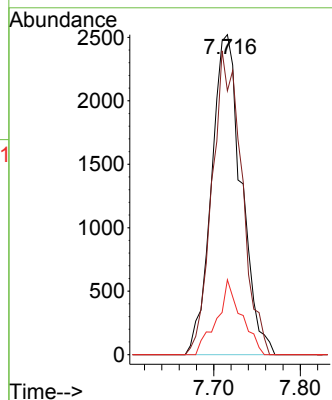
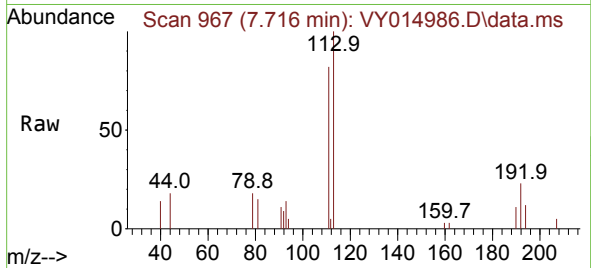




#35
Dibromofluoromethane
Concen: 47.257 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

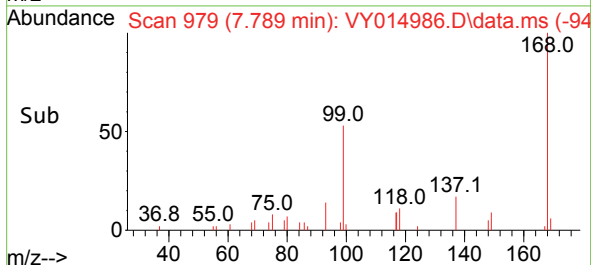
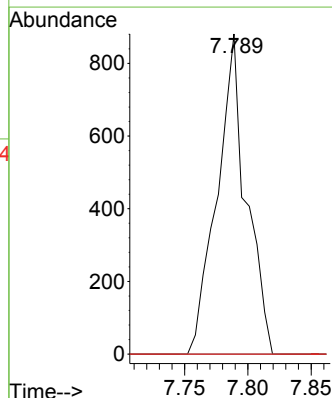
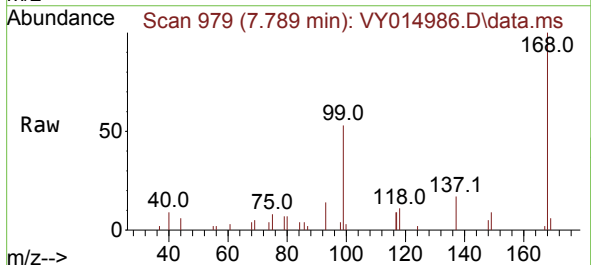
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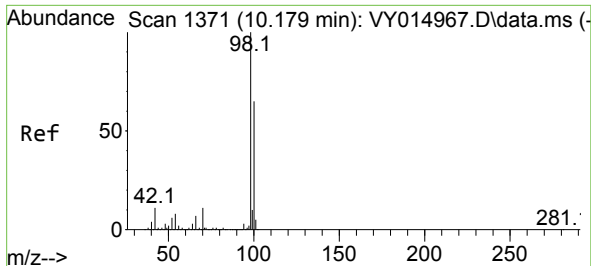
Tgt Ion:113 Resp: 6053
Ion Ratio Lower Upper
113 100
111 93.9 81.3 121.9
192 19.1 16.9 25.3



#38
Carbon Tetrachloride
Concen: 7.898 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Tgt Ion:117 Resp: 1412
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

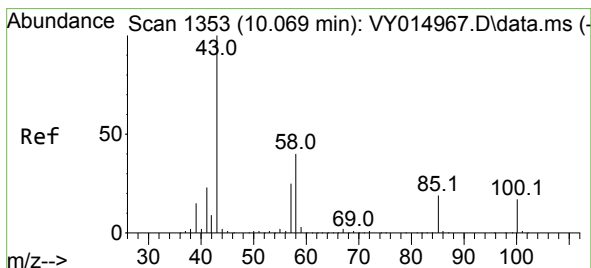
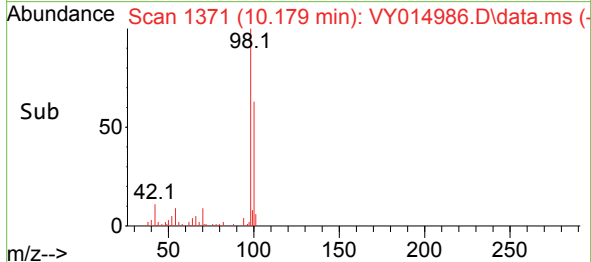
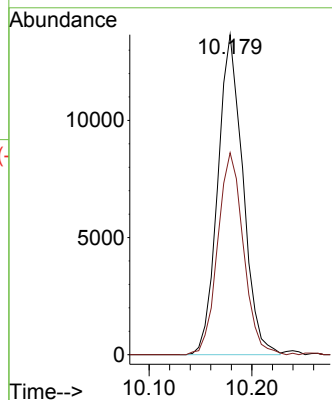
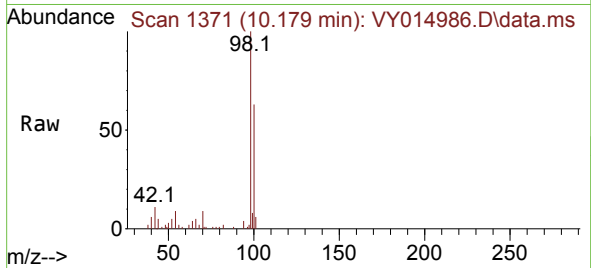




#50
Toluene-d8
Concen: 47.517 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

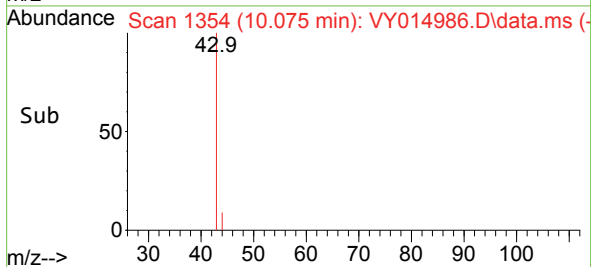
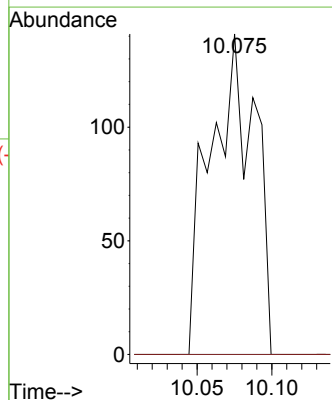
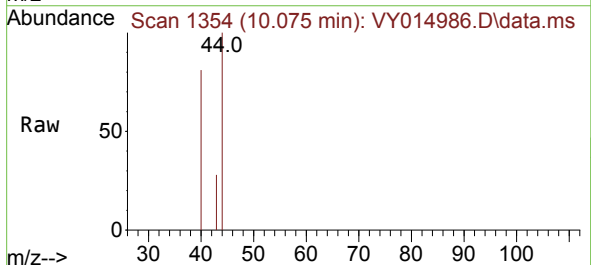
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

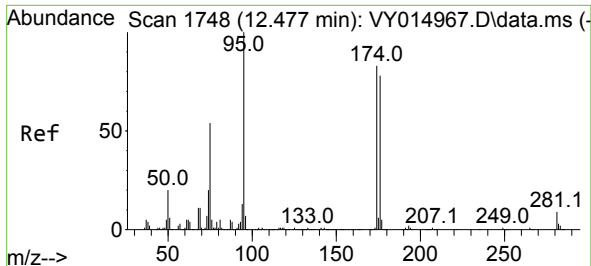
Tgt Ion: 98 Resp: 23166
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.194 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#

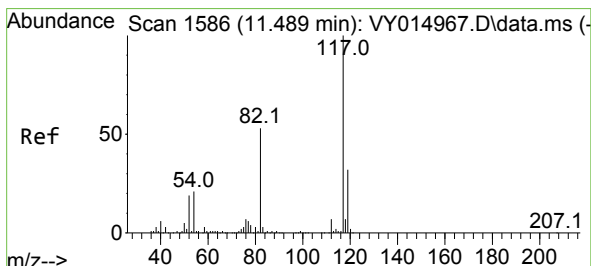
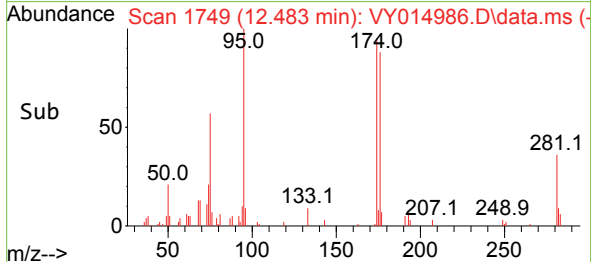
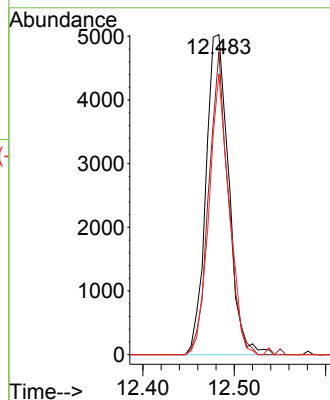
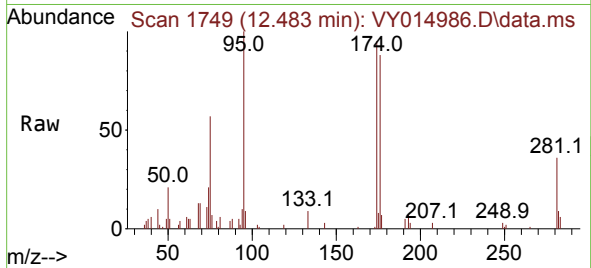




#62
4-Bromofluorobenzene
Concen: 50.252 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

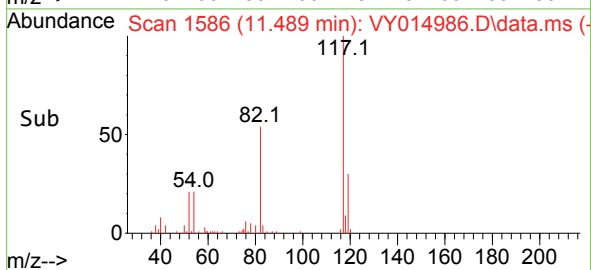
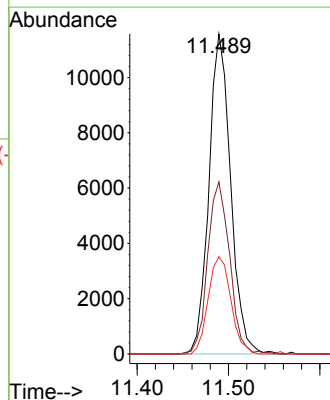
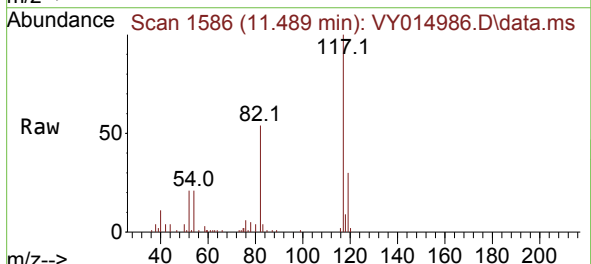
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

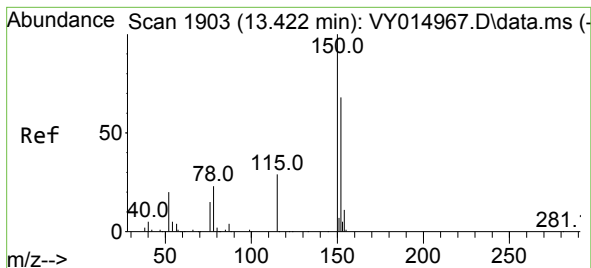
Tgt Ion:	95	Resp:	8683
Ion Ratio	Lower	Upper	
95	100		
174	81.3	0.0	178.2
176	77.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014986.D
Acq: 08 Aug 2023 15:35

Tgt Ion:	117	Resp:	19105
Ion Ratio	Lower	Upper	
117	100		
82	53.8	43.4	65.0
119	30.4	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY014986.D

Acq: 08 Aug 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

PSCR206(164716)

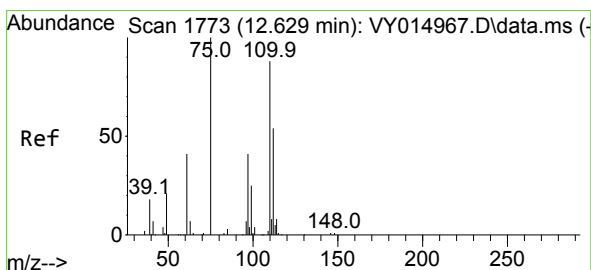
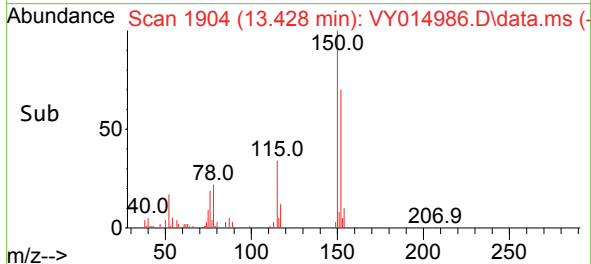
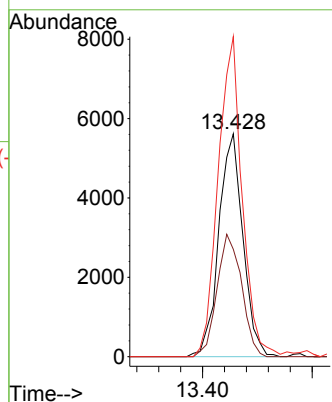
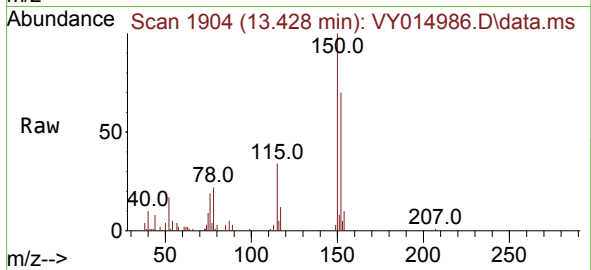
Tgt Ion:152 Resp: 8594

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 142.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 47.127 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014986.D

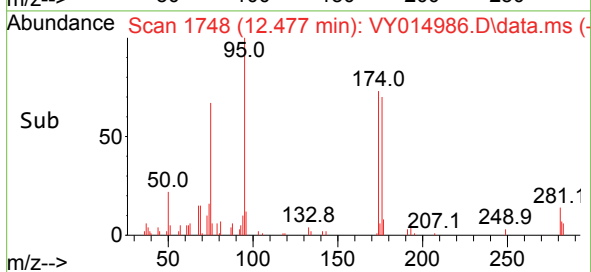
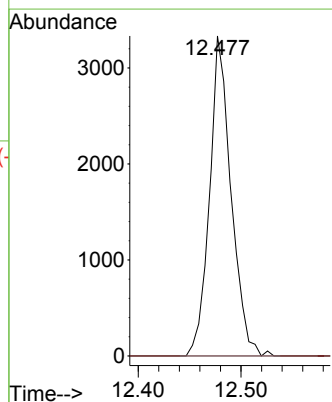
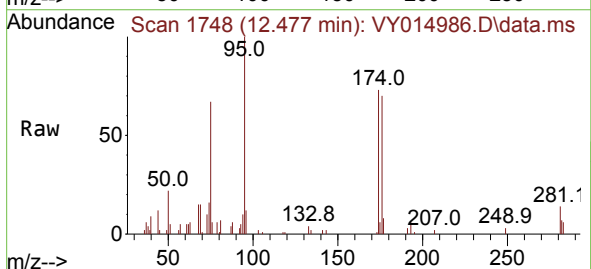
Acq: 08 Aug 2023 15:35

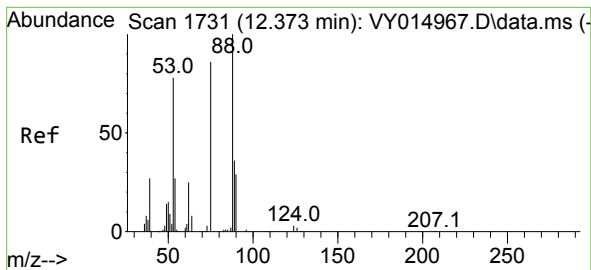
Tgt Ion: 75 Resp: 4853

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.823 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014986.D
 Acq: 08 Aug 2023 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSCR206(164716)

Tgt Ion: 75 Resp: 4853
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

