

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015323.D
 Acq On : 24 Aug 2023 19:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:25:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

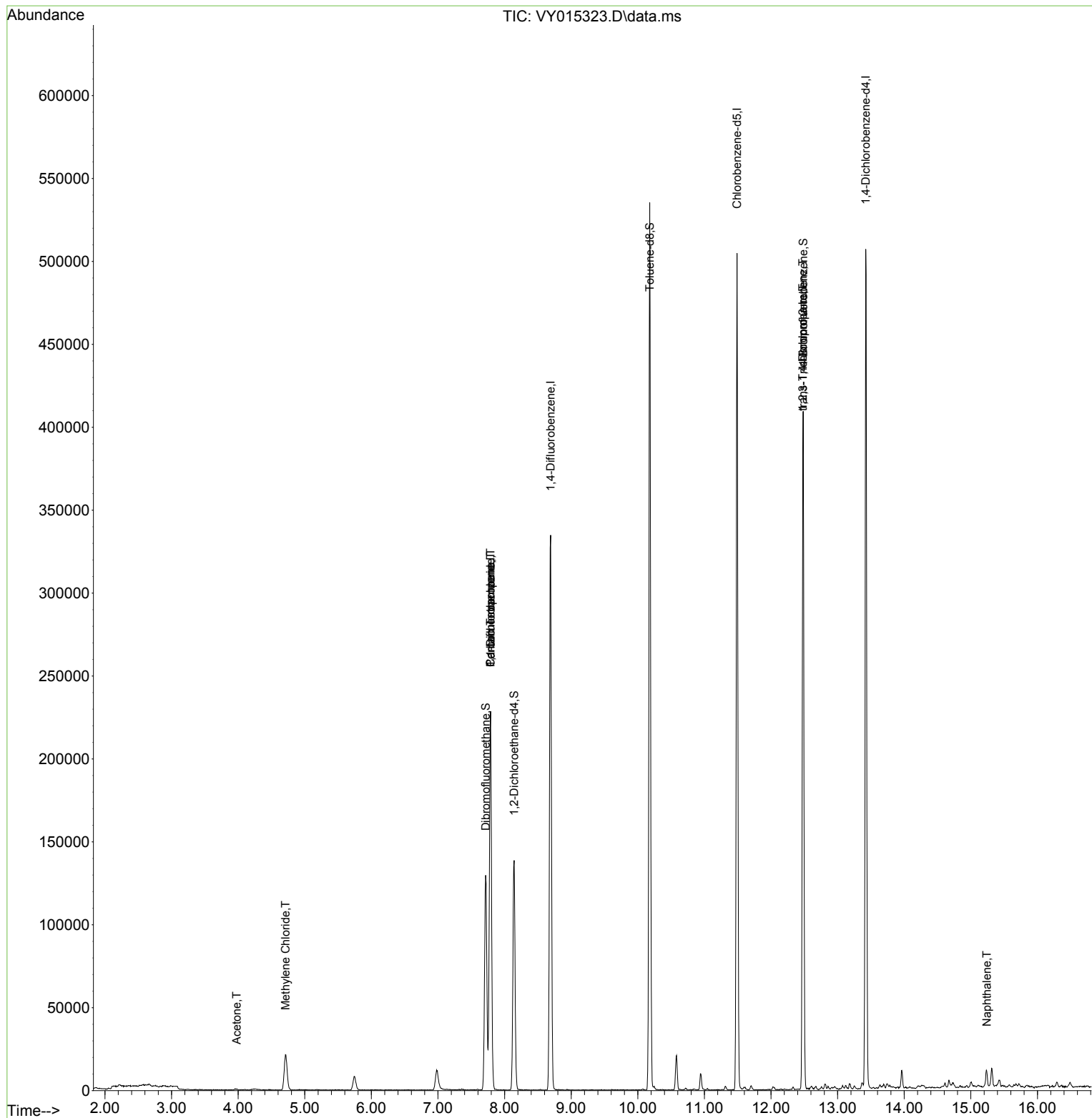
Internal Standards						
1) Pentafluorobenzene	7.789	168	176387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	292883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	110905	52.379	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.760%	
35) Dibromofluoromethane	7.715	113	91758	48.698	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.400%	
50) Toluene-d8	10.178	98	339900	48.459	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.920%	
62) 4-Bromofluorobenzene	12.483	95	120775	47.143	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	412	Below Cal	#	44
5) Bromomethane	2.662	94	416	Below Cal	#	75
11) Tert butyl alcohol	4.960	59	234	Below Cal	#	89
16) Acetone	3.978	43	1090	1.576	ug/l #	75
20) Methylene Chloride	4.710	84	16321	6.043	ug/l #	87
31) Cyclohexane	7.789	56	3750	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13311	6.386	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17838	7.231	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	64559	40.475	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64559	88.903	ug/l #	11
95) Naphthalene	15.239	128	9045	1.483	ug/l	96

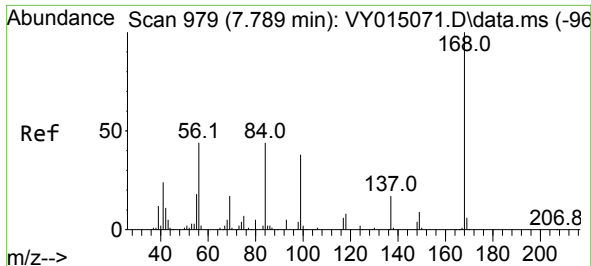
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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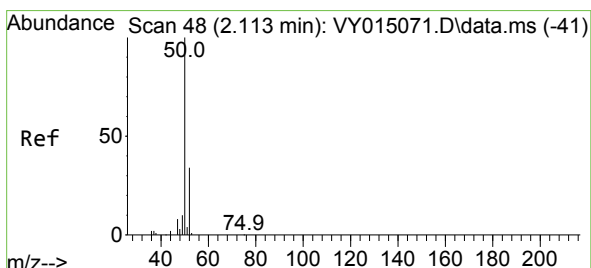
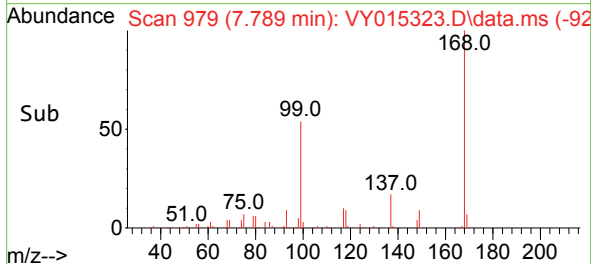
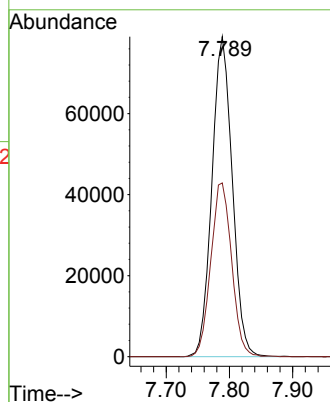
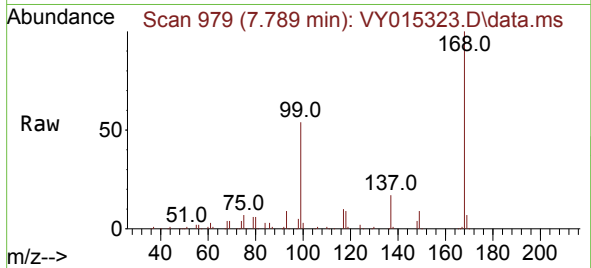




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

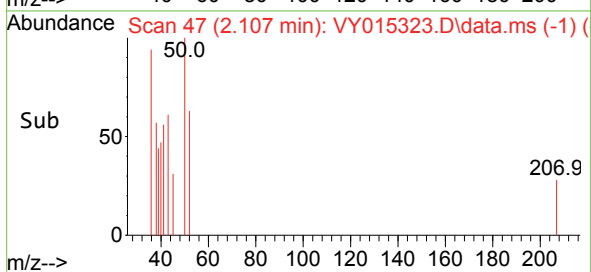
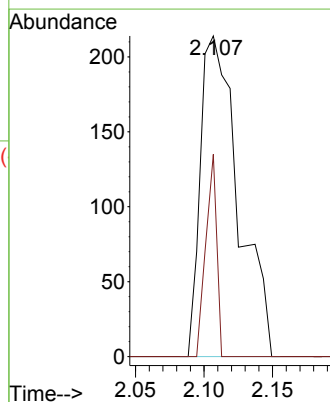
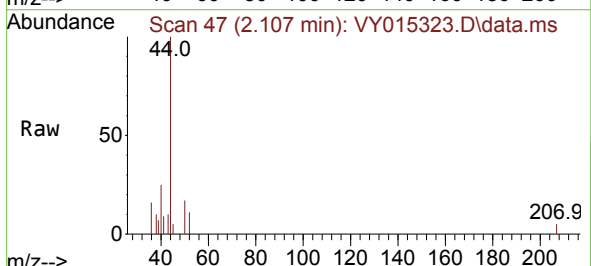
Instrument :
MSVOA_Y
ClientSampleId :

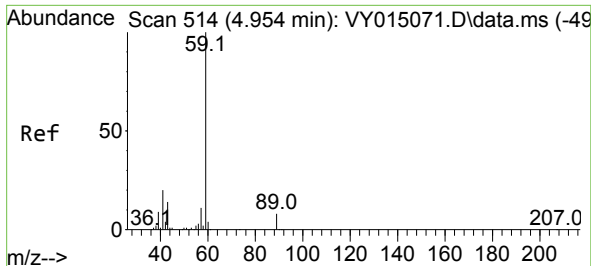
Tgt Ion:168 Resp: 176387
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

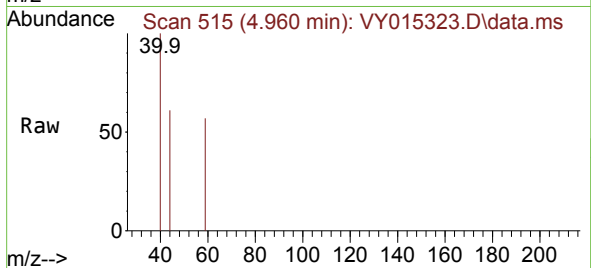
Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 63.1 25.4 38.2#



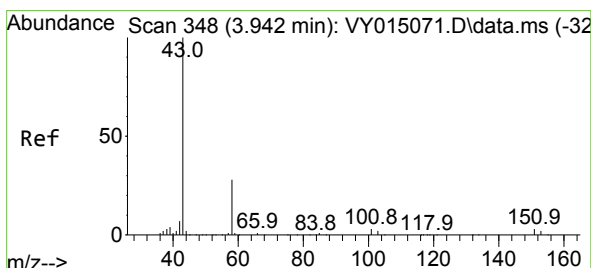
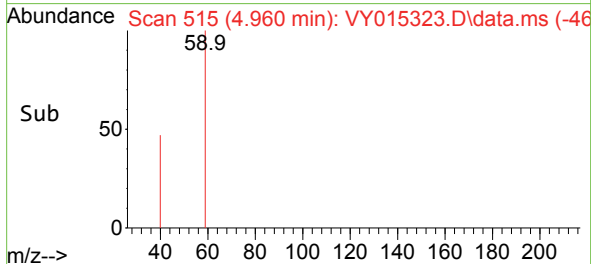
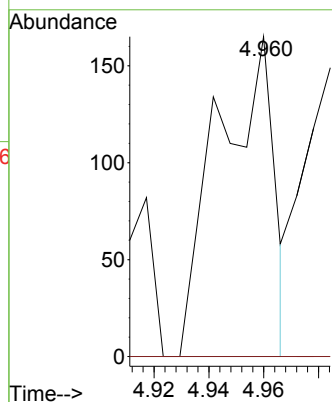


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

Instrument :
MSVOA_Y
ClientSampleId :

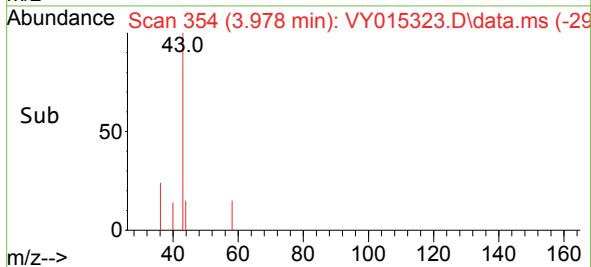
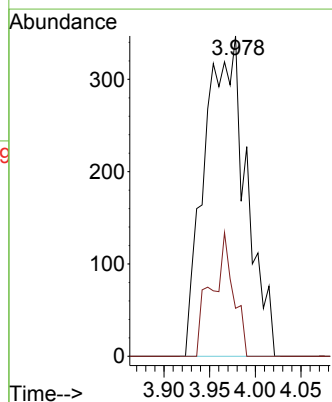
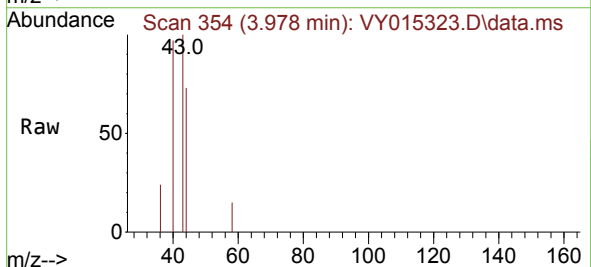


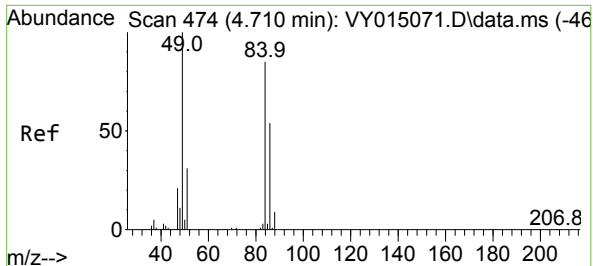
Tgt Ion: 59 Resp: 234
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 1.576 ug/l
RT: 3.978 min Scan# 354
Delta R.T. 0.036 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

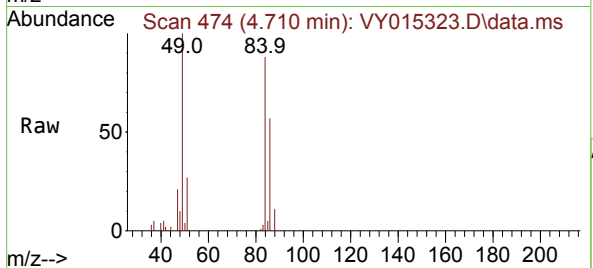
Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 15.0 22.7 34.1#



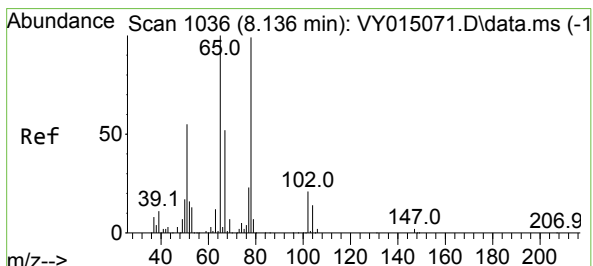
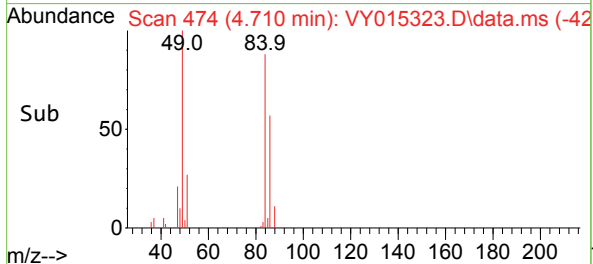
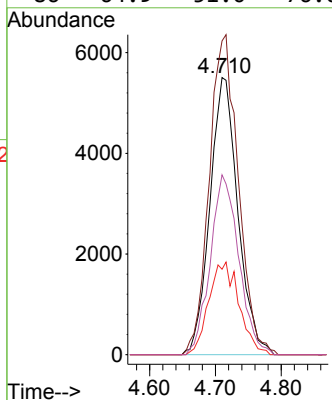


#20
Methylene Chloride
Concen: 6.043 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

Instrument :
MSVOA_Y
ClientSampleId :

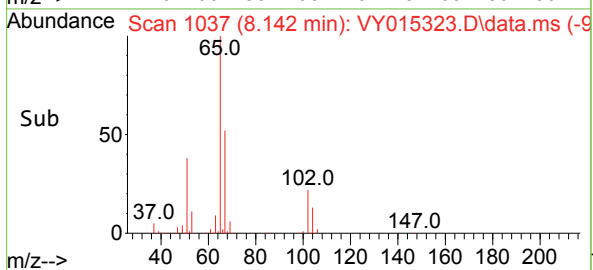
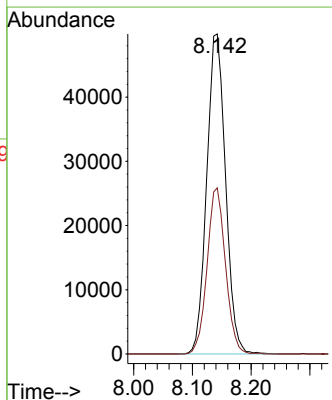
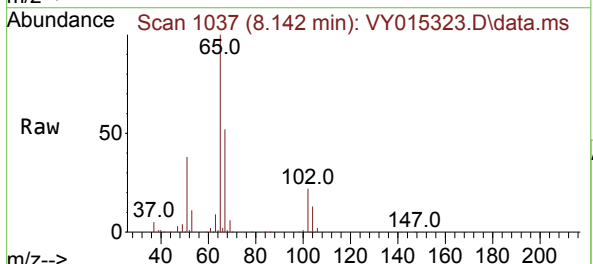


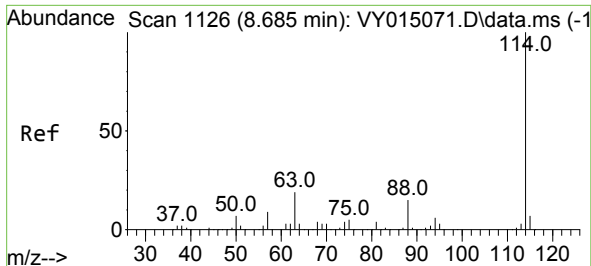
Tgt Ion: 84 Resp: 16321
Ion Ratio Lower Upper
84 100
49 113.2 106.9 160.3
51 30.8 33.2 49.8#
86 64.9 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 52.379 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

Tgt Ion: 65 Resp: 110905
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015323.D

Acq: 24 Aug 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

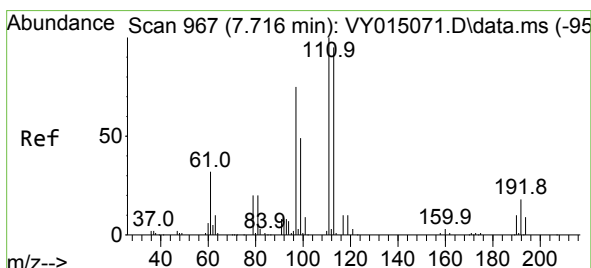
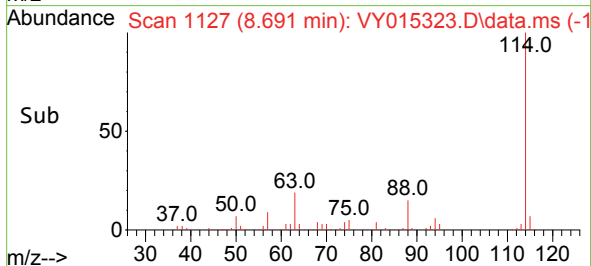
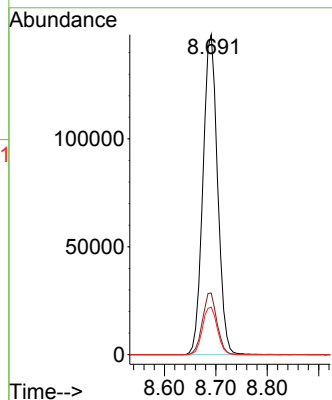
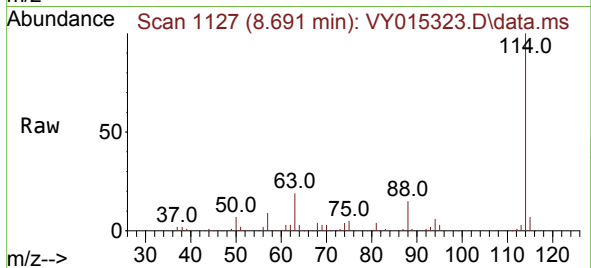
Tgt Ion:114 Resp: 292883

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.698 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015323.D

Acq: 24 Aug 2023 19:38

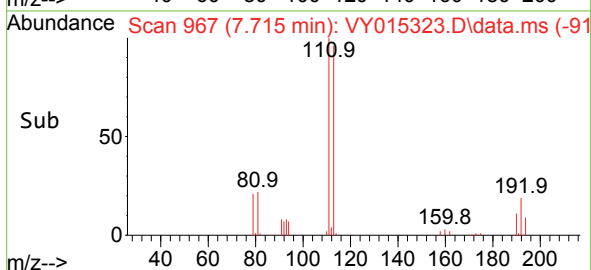
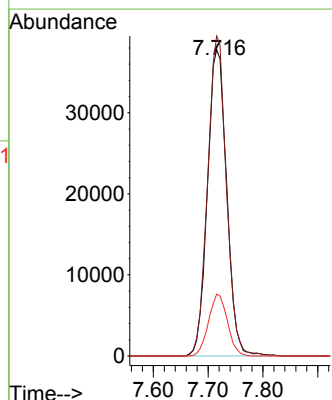
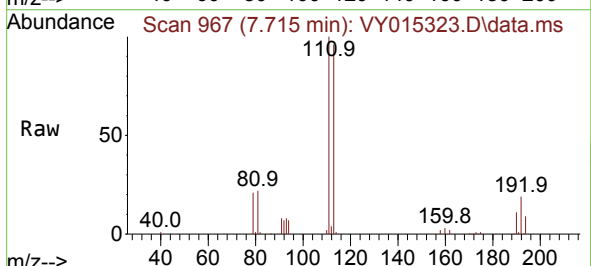
Tgt Ion:113 Resp: 91758

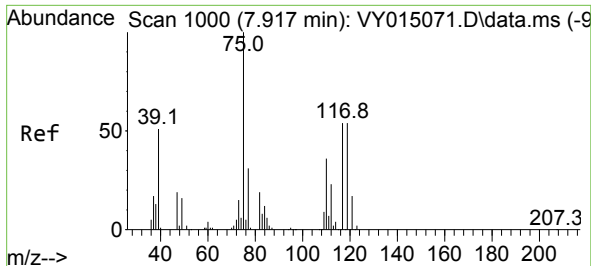
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

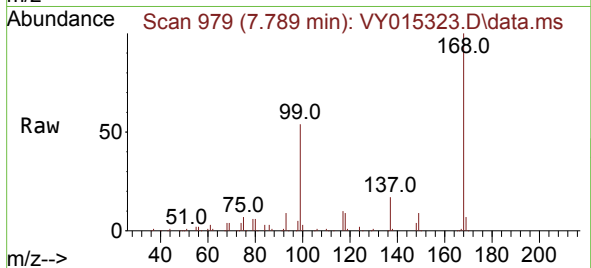
192 19.9 16.9 25.3



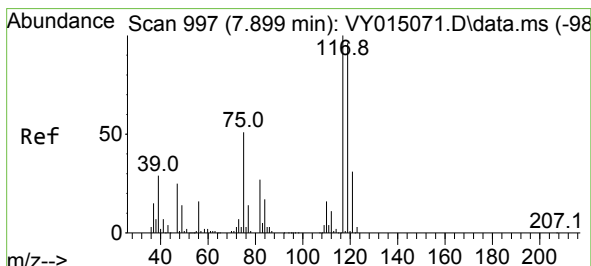
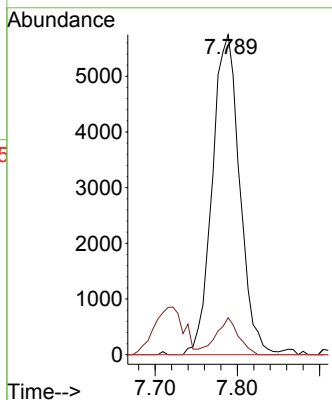
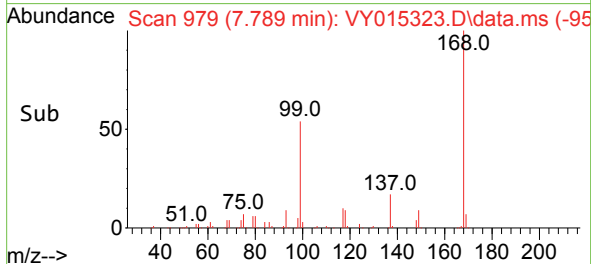


#36
1,1-Dichloropropene
Concen: 6.386 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

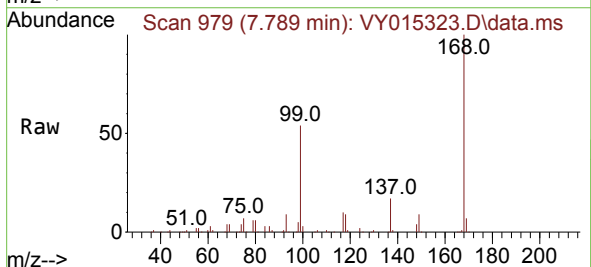
Instrument :
MSVOA_Y
ClientSampleId :



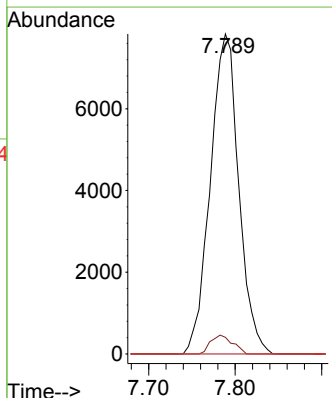
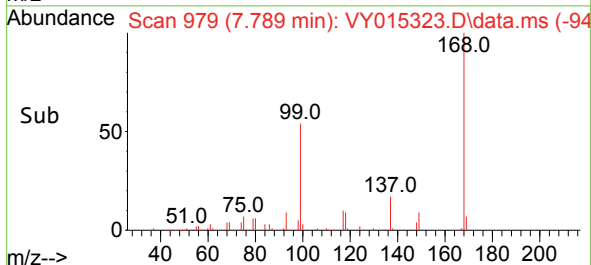
Tgt Ion: 75 Resp: 13311
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

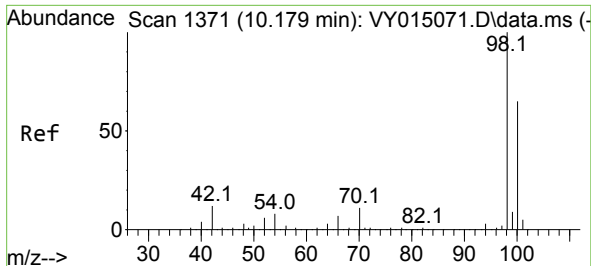


#38
Carbon Tetrachloride
Concen: 7.231 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38



Tgt Ion: 117 Resp: 17838
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#

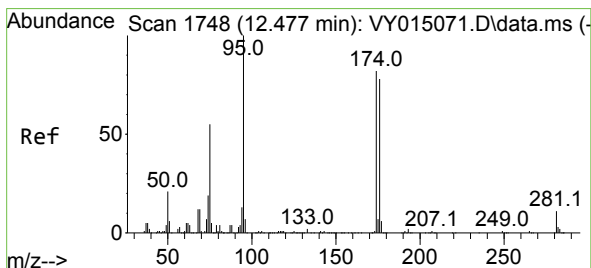
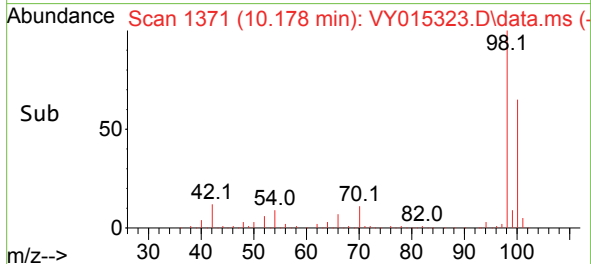
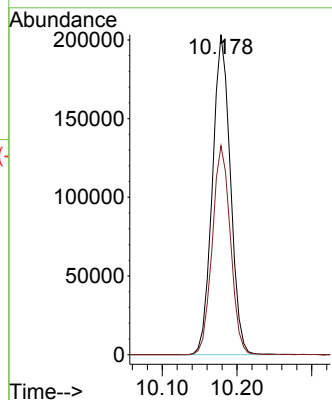
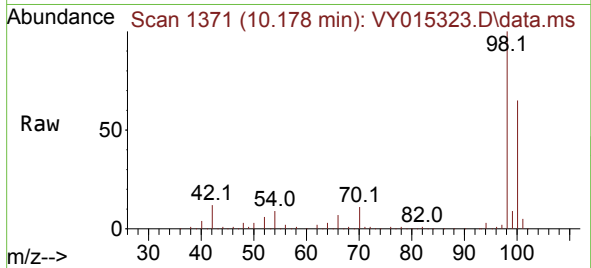




#50
Toluene-d8
Concen: 48.459 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

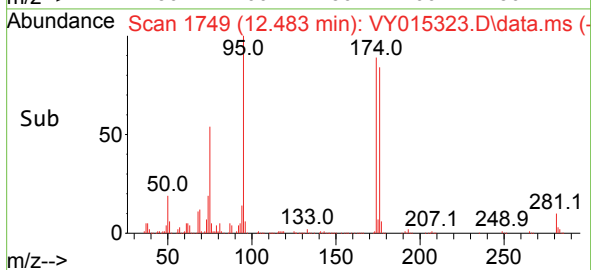
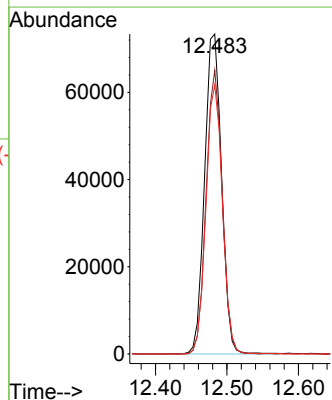
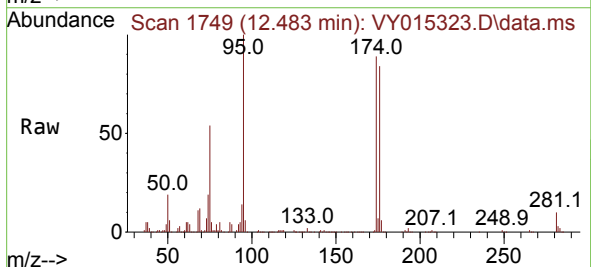
Instrument :
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ClientSampleId :

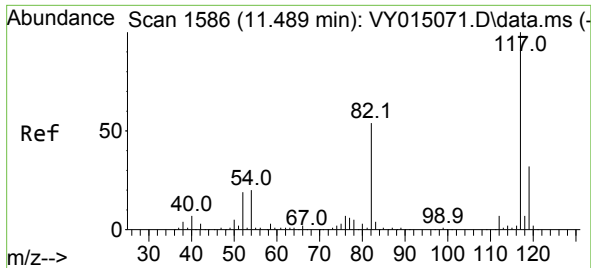
Tgt Ion: 98 Resp: 339900
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.143 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

Tgt Ion: 95 Resp: 120775
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 81.8 0.0 173.8

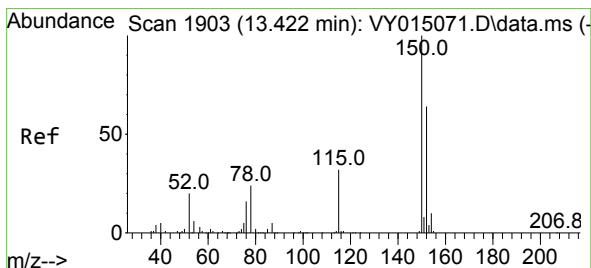
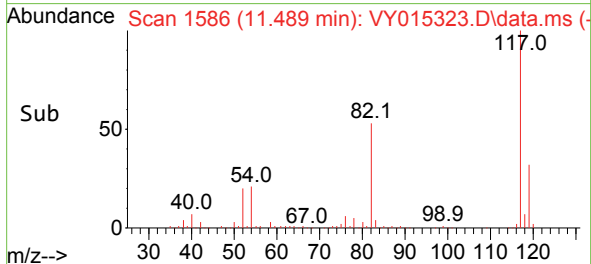
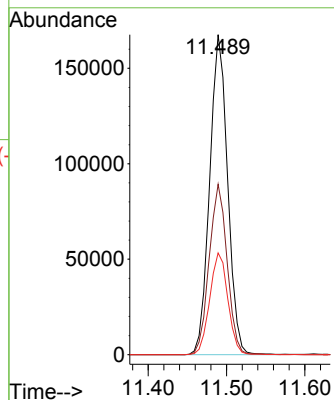
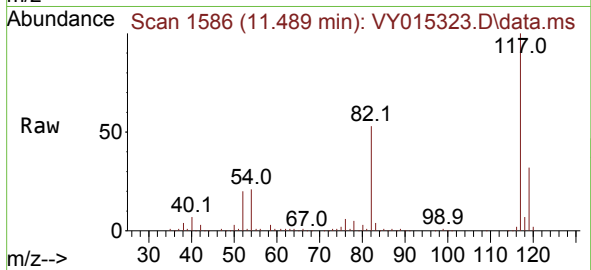




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

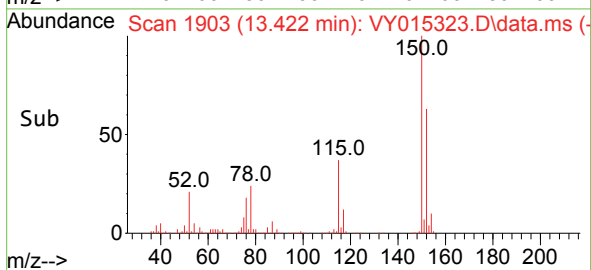
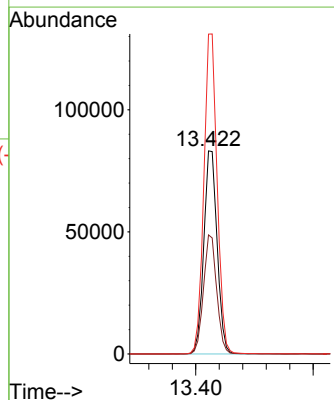
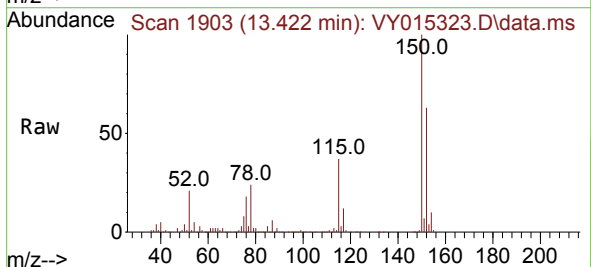
Instrument :
MSVOA_Y
ClientSampleId :

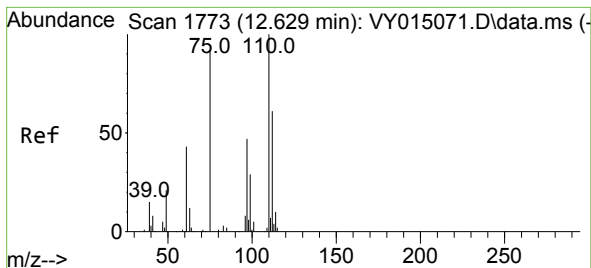
Tgt Ion:117 Resp: 266490
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015323.D
Acq: 24 Aug 2023 19:38

Tgt Ion:152 Resp: 131286
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 156.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.475 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015323.D

Acq: 24 Aug 2023 19:38

Instrument :

MSVOA_Y

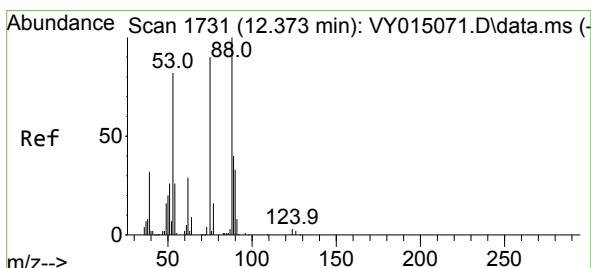
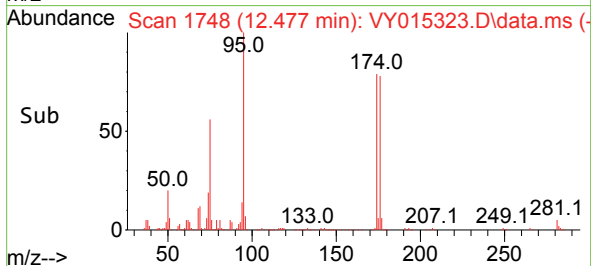
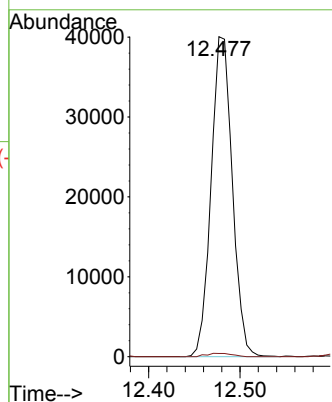
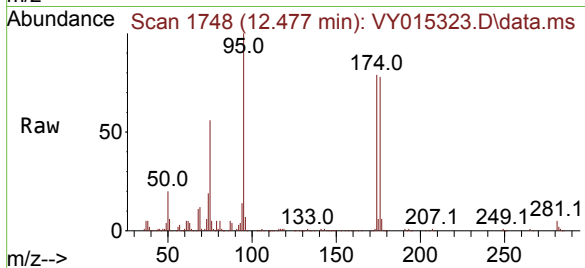
ClientSampleId :

Tgt Ion: 75 Resp: 64559

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.903 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.103 min

Lab File: VY015323.D

Acq: 24 Aug 2023 19:38

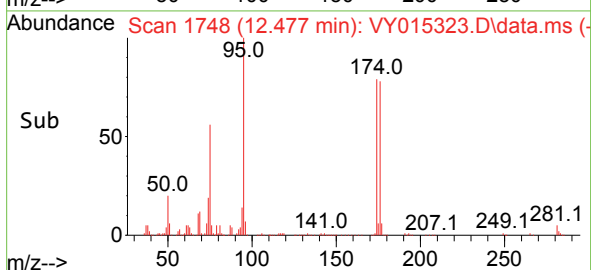
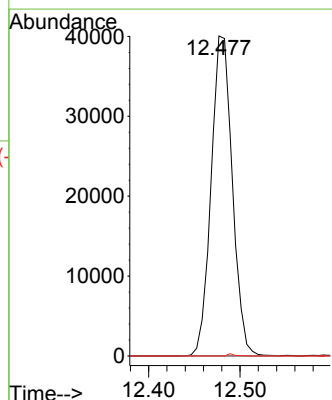
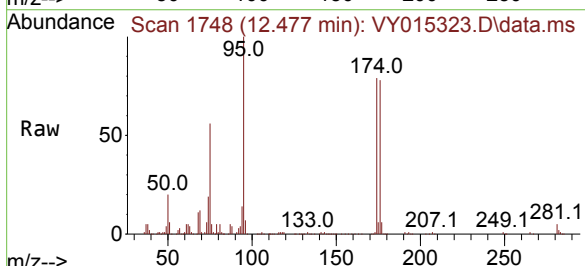
Tgt Ion: 75 Resp: 64559

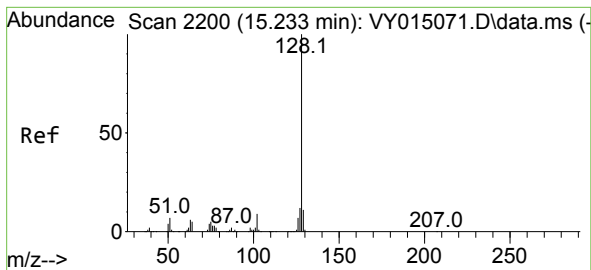
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

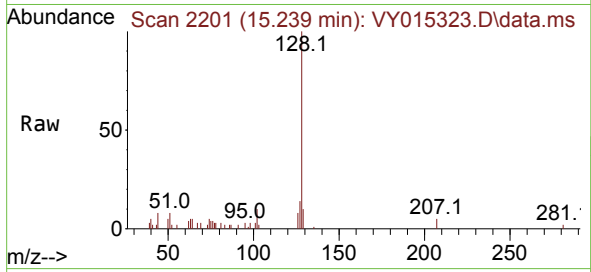
89 0.2 37.4 56.0#





#95
 Naphthalene
 Concen: 1.483 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY015323.D
 Acq: 24 Aug 2023 19:38

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	9045
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.8	16.2
129	12.5	8.6	13.0

