

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015049.D
 Acq On : 11 Aug 2023 11:12
 Operator : SY/MD
 Sample : 03971-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP02A

Quant Time: Aug 12 04:18:03 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)

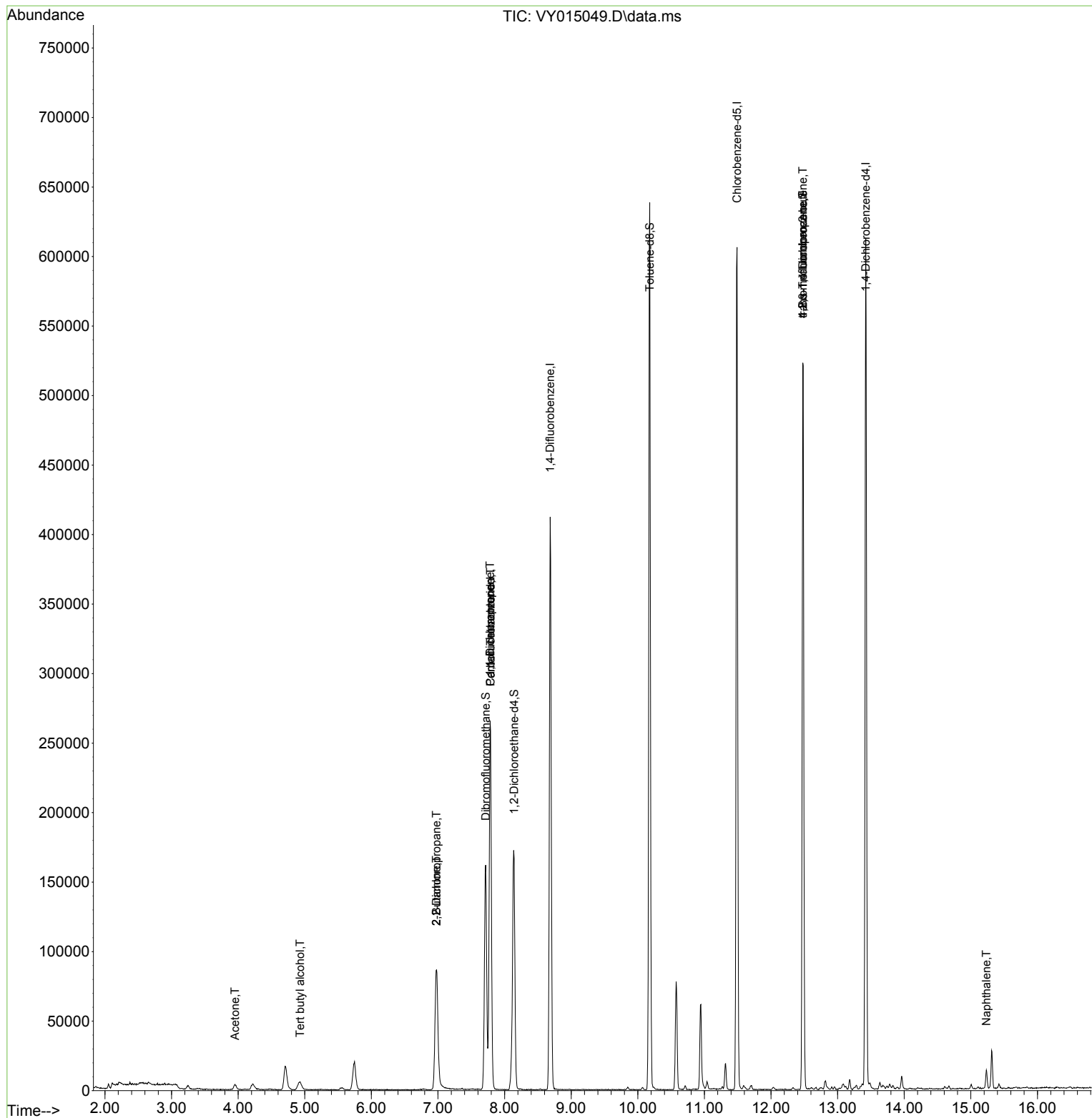
Internal Standards						
1) Pentafluorobenzene	7.789	168	208800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	351579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	132643	52.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.820%	
35) Dibromofluoromethane	7.716	113	112846	50.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.380%	
50) Toluene-d8	10.179	98	416668	48.691	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.477	95	154799	51.040	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	119	Below Cal	#	43
5) Bromomethane	2.656	94	774	Below Cal	#	76
11) Tert butyl alcohol	4.930	59	6147	10.064	ug/l #	92
16) Acetone	3.954	43	6837	8.664	ug/l	95
20) Methylene Chloride	4.704	84	13180	Below Cal	#	91
25) 2-Butanone	6.978	43	5228	4.625	ug/l #	73
26) 2,2-Dichloropropane	6.978	77	6543	1.781	ug/l #	54
31) Cyclohexane	7.783	56	4584	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14960	5.360	ug/l #	51
38) Carbon Tetrachloride	7.789	117	21280	6.782	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	82280	43.848	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82280	96.599	ug/l #	11
95) Naphthalene	15.233	128	10846	1.562	ug/l	98

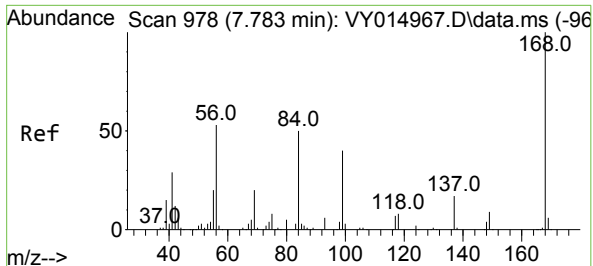
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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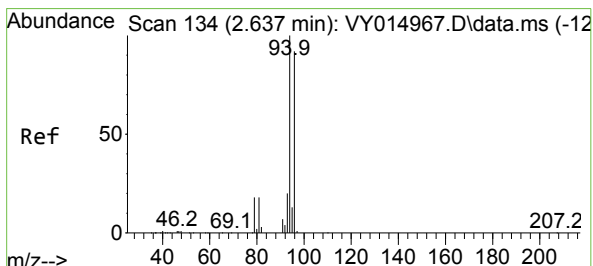
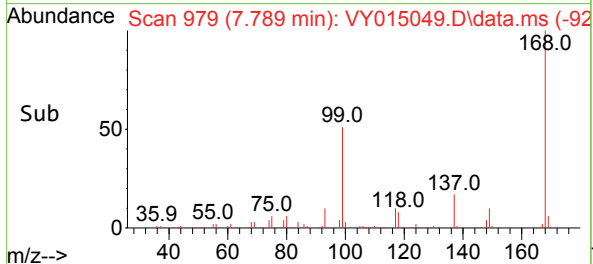
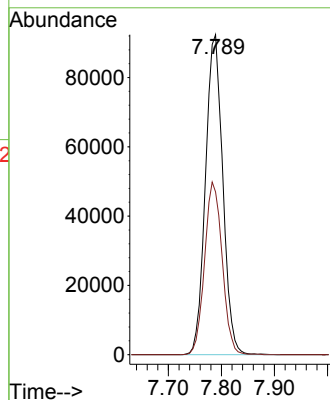
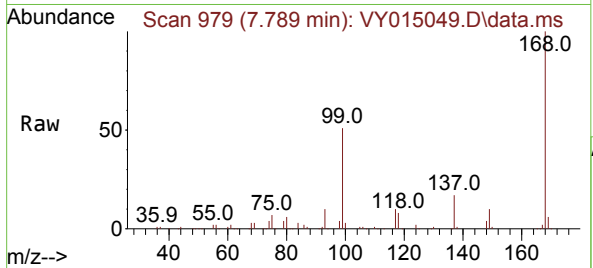




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

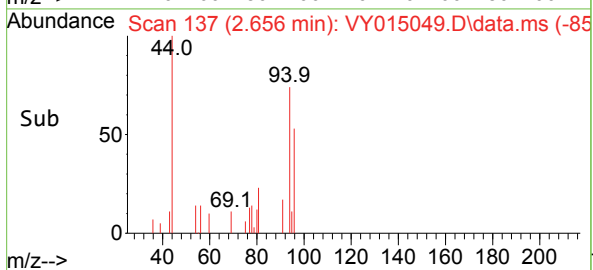
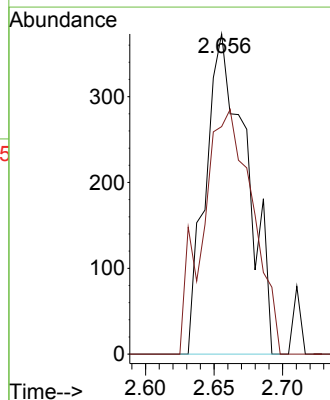
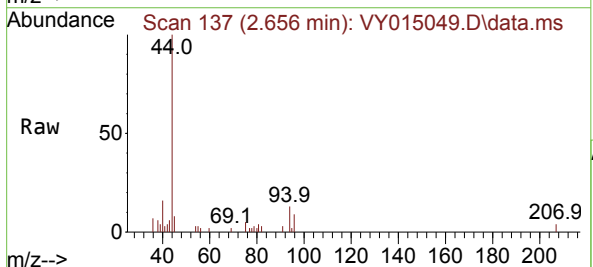
Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A

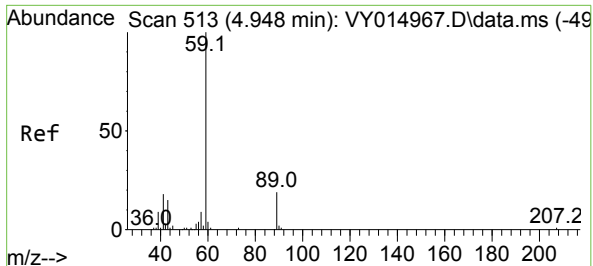
Tgt Ion:168 Resp: 208800
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

Tgt Ion: 94 Resp: 774
Ion Ratio Lower Upper
94 100
96 71.0 75.8 113.6#





#11

Tert butyl alcohol

Concen: 10.064 ug/l

RT: 4.930 min Scan# 513

Delta R.T. -0.019 min

Lab File: VY015049.D

Acq: 11 Aug 2023 11:12

Instrument :

MSVOA_Y

ClientSampleId :

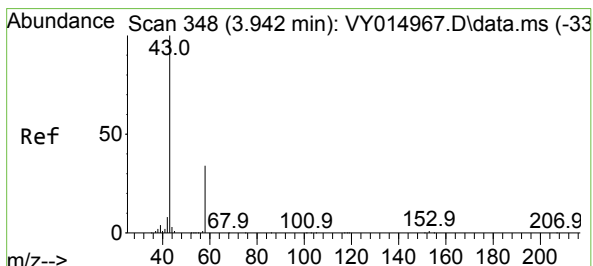
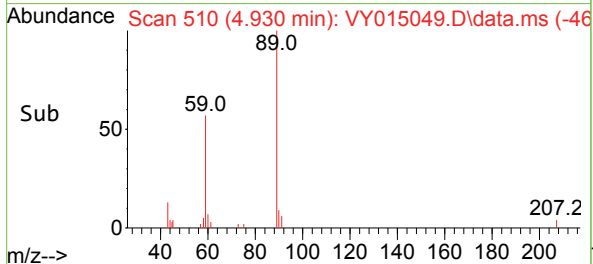
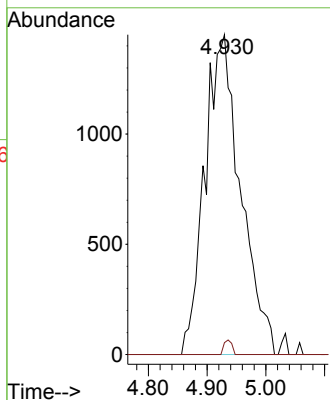
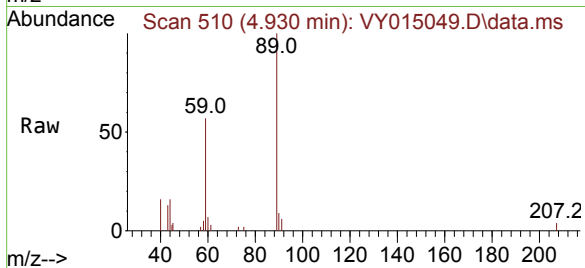
B-PP02A

Tgt Ion: 59 Resp: 6147

Ion Ratio Lower Upper

59 100

57 1.0 3.0 4.4#



#16

Acetone

Concen: 8.664 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015049.D

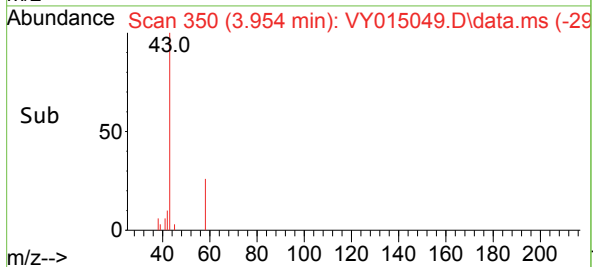
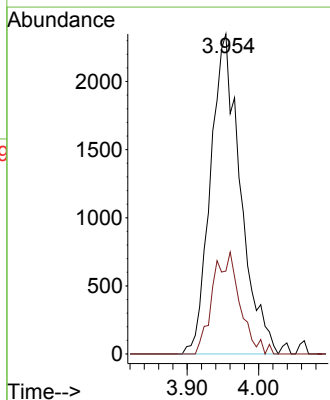
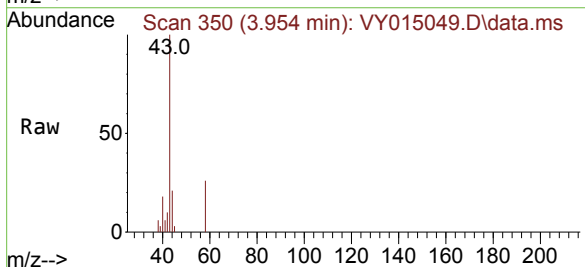
Acq: 11 Aug 2023 11:12

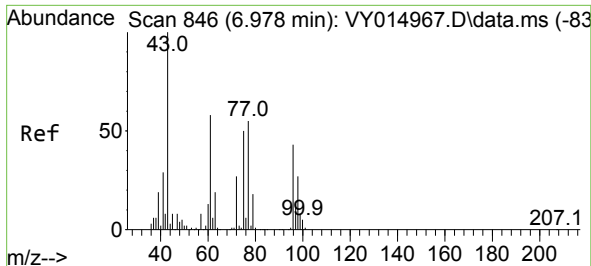
Tgt Ion: 43 Resp: 6837

Ion Ratio Lower Upper

43 100

58 25.9 22.7 34.1

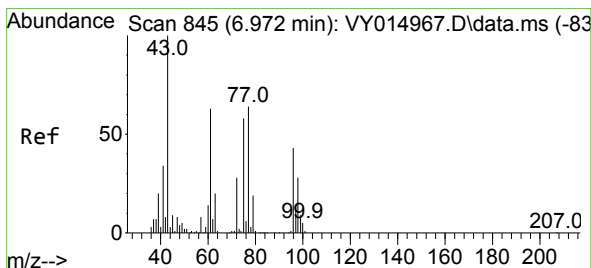
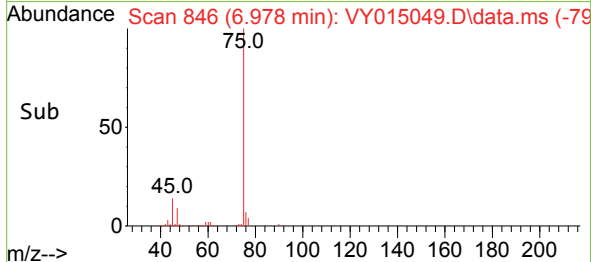
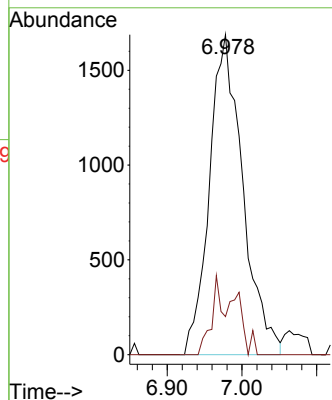
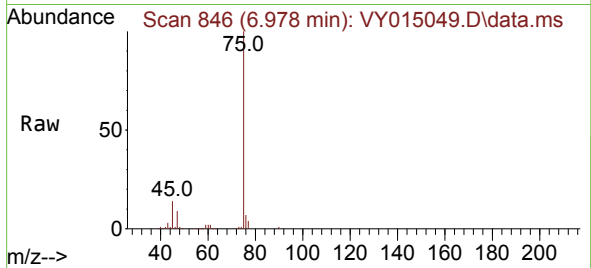




#25
2-Butanone
Concen: 4.625 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

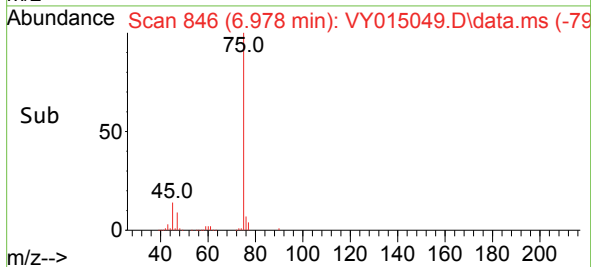
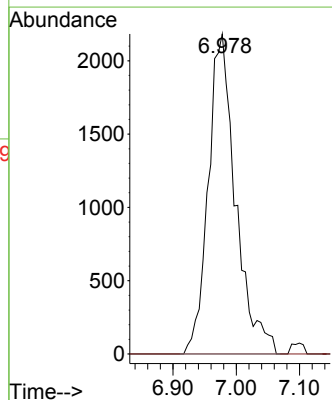
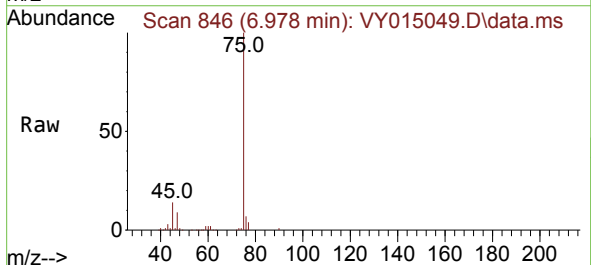
Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A

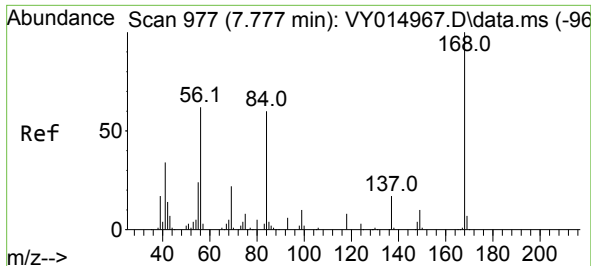
Tgt Ion: 43 Resp: 5228
Ion Ratio Lower Upper
43 100
72 11.9 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.781 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

Tgt Ion: 77 Resp: 6543
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

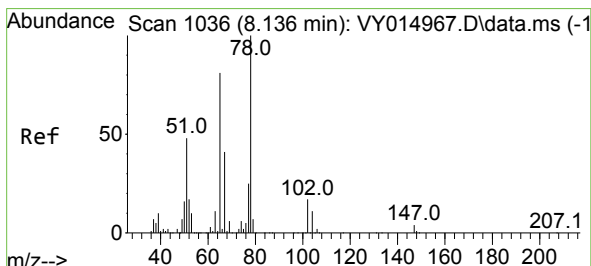
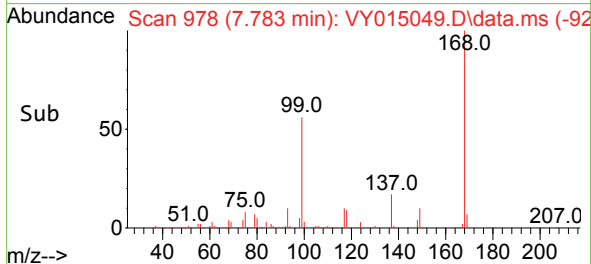
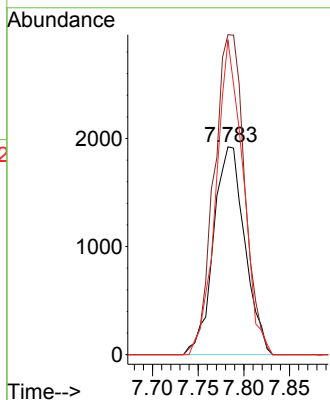
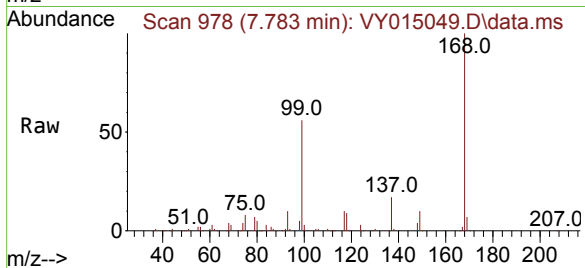




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

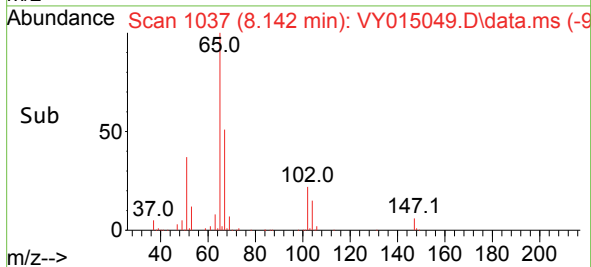
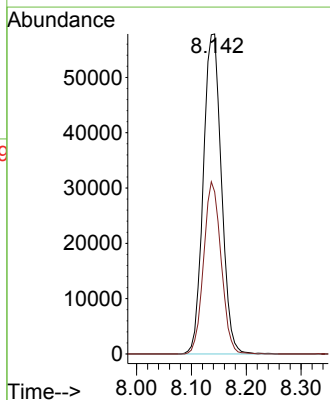
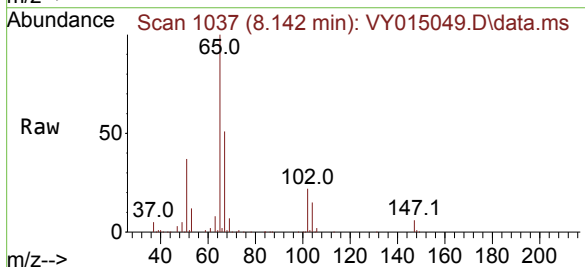
Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A

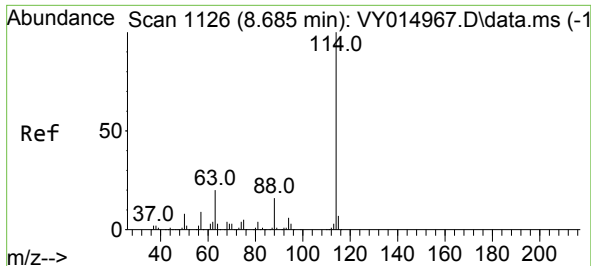
Tgt Ion: 56 Resp: 4584
Ion Ratio Lower Upper
56 100
69 153.9 27.8 41.6#
84 151.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.413 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

Tgt Ion: 65 Resp: 132643
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015049.D

Acq: 11 Aug 2023 11:12

Instrument :

MSVOA_Y

ClientSampleId :

B-PP02A

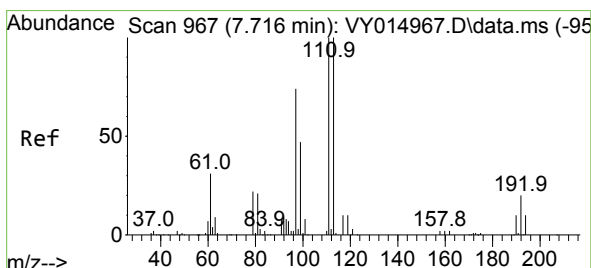
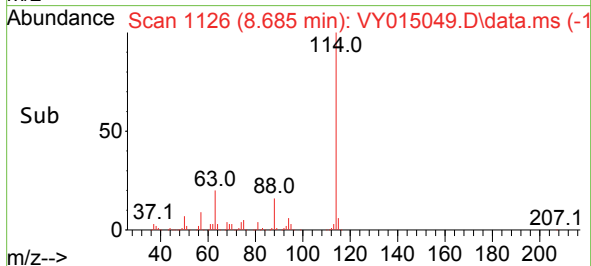
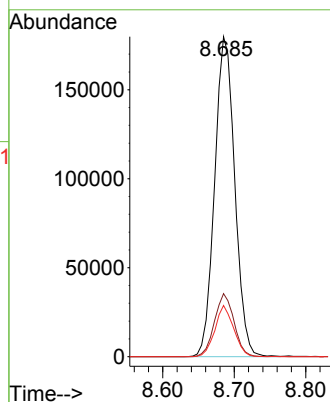
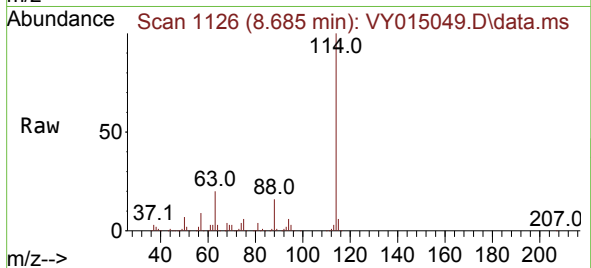
Tgt Ion:114 Resp: 351579

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.192 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015049.D

Acq: 11 Aug 2023 11:12

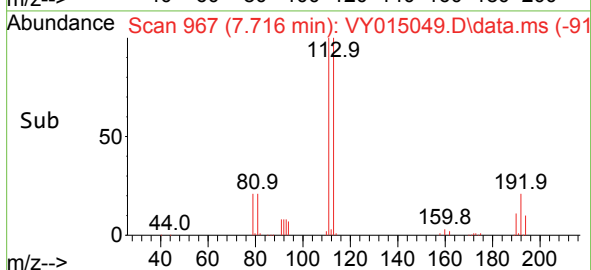
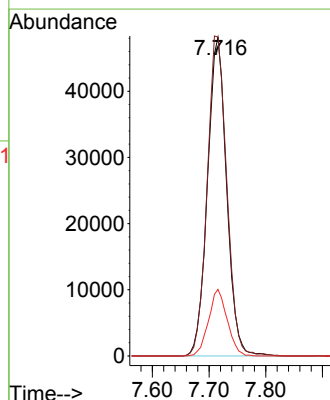
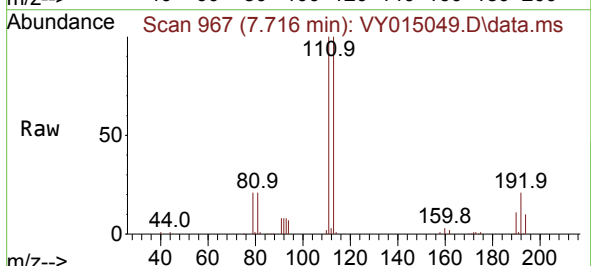
Tgt Ion:113 Resp: 112846

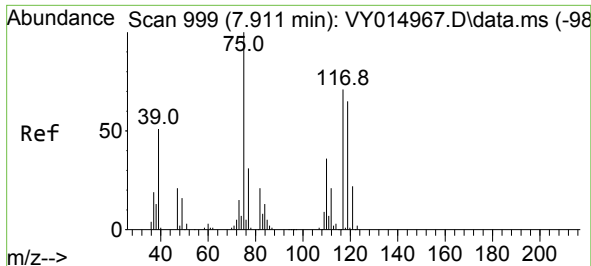
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 20.4 16.9 25.3

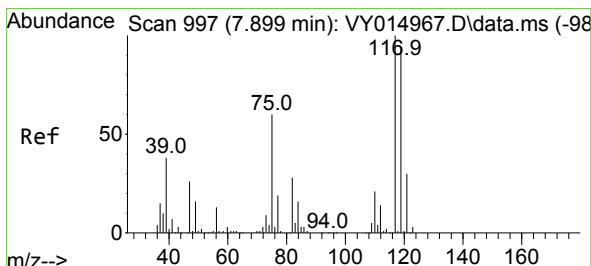
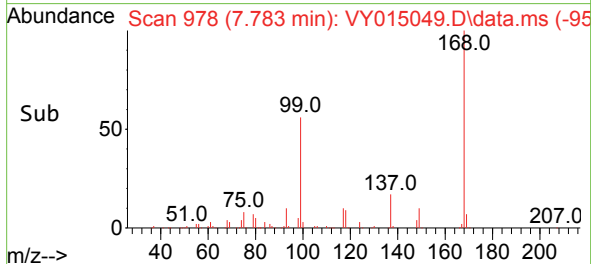
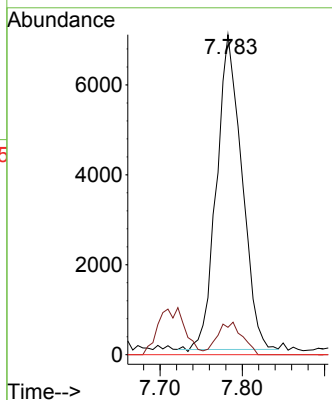
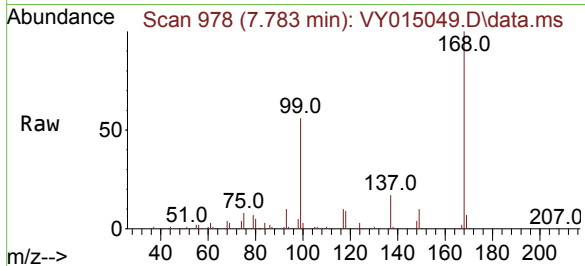




#36
 1,1-Dichloropropene
 Concen: 5.360 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015049.D
 Acq: 11 Aug 2023 11:12

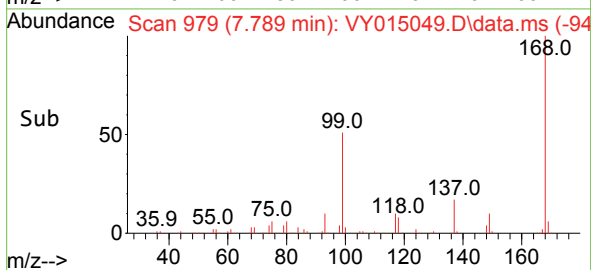
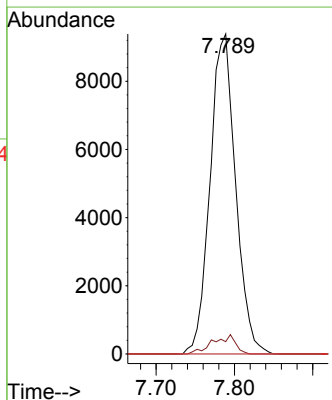
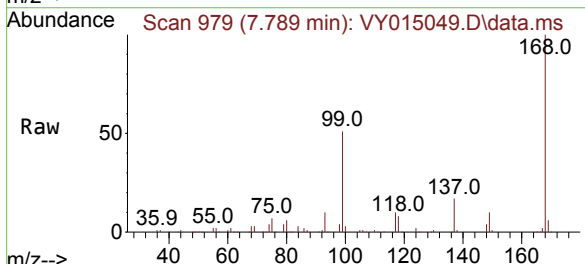
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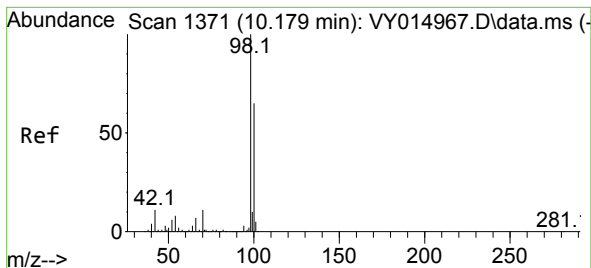
Tgt Ion: 75 Resp: 14960
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.782 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY015049.D
 Acq: 11 Aug 2023 11:12

Tgt Ion: 117 Resp: 21280
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.4 114.6#
 121 0.0 25.8 38.6#

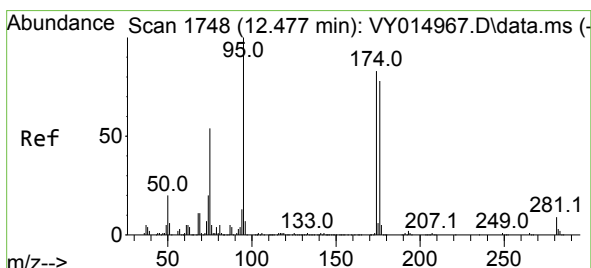
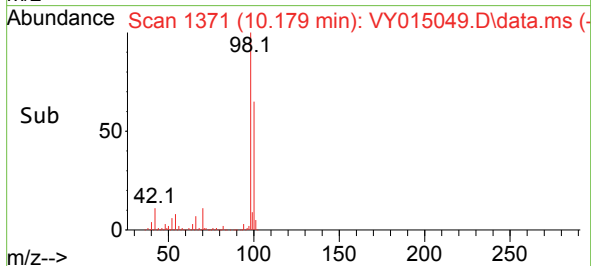
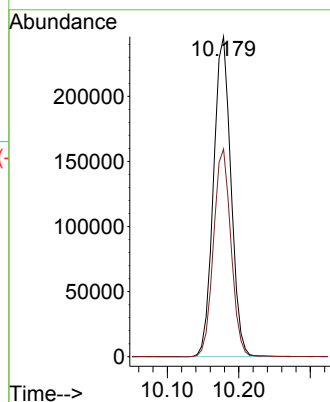
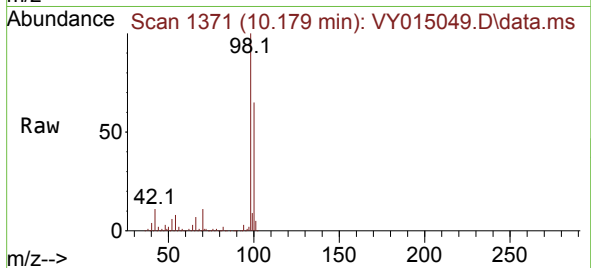




#50
Toluene-d8
Concen: 48.691 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

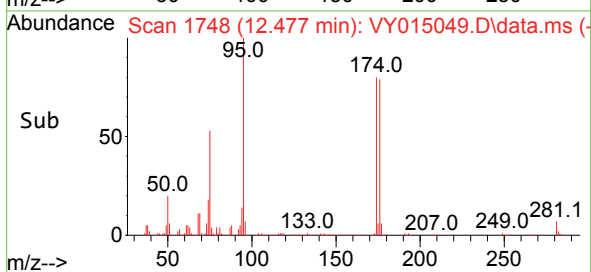
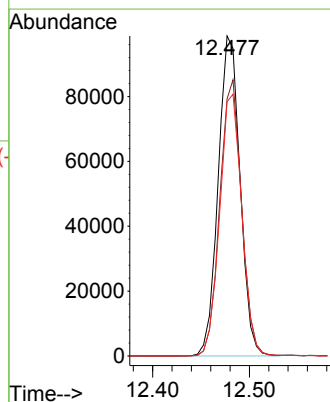
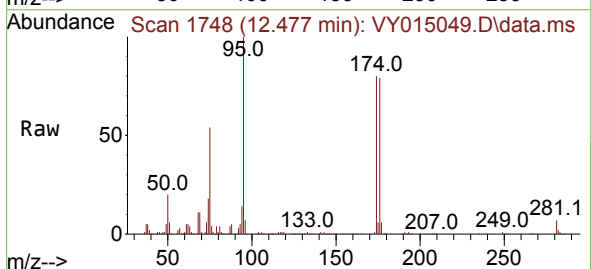
Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A

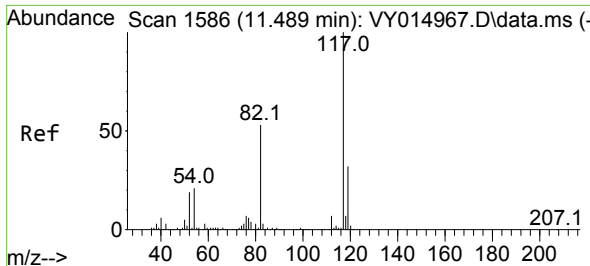
Tgt Ion: 98 Resp: 416668
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.040 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

Tgt Ion: 95 Resp: 154799
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.9 0.0 173.8

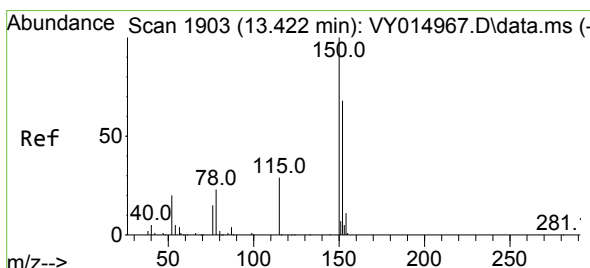
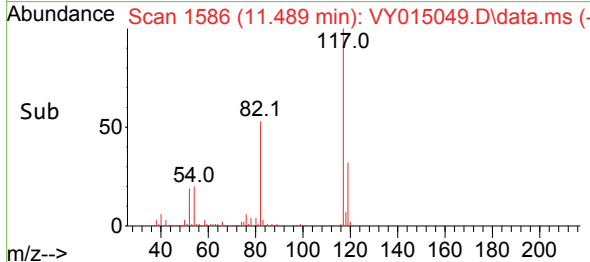
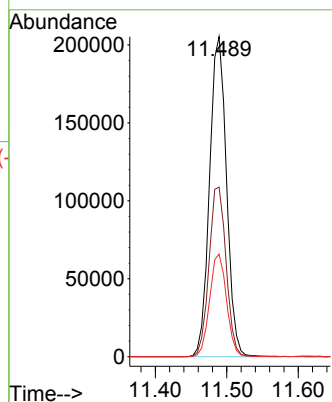
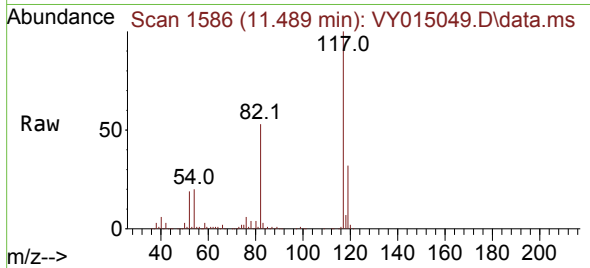




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

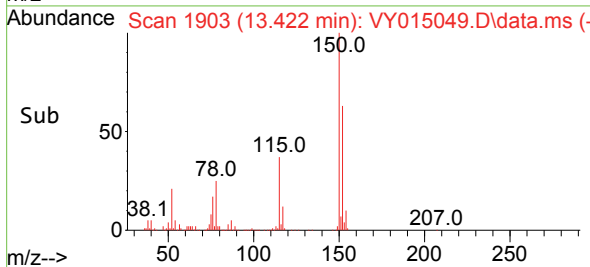
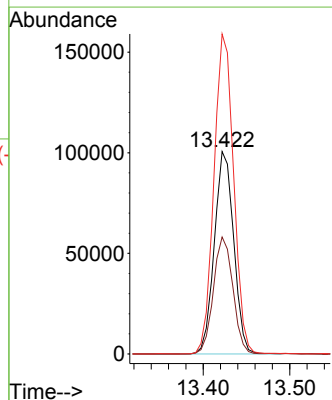
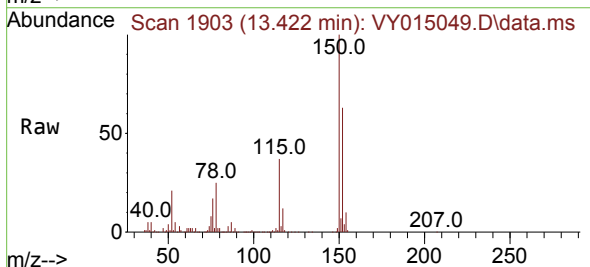
Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A

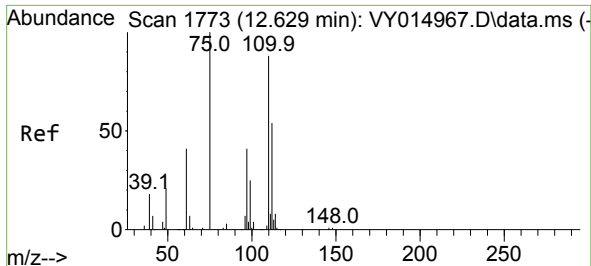
Tgt Ion:117 Resp: 338046
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

Tgt Ion:152 Resp: 156602
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 160.3 0.0 348.8

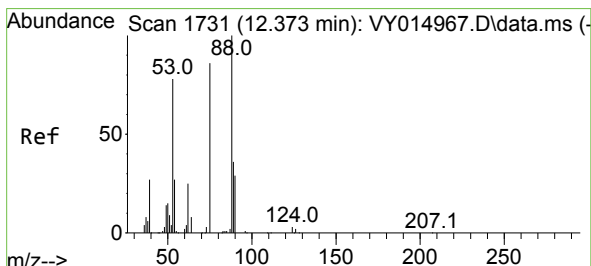
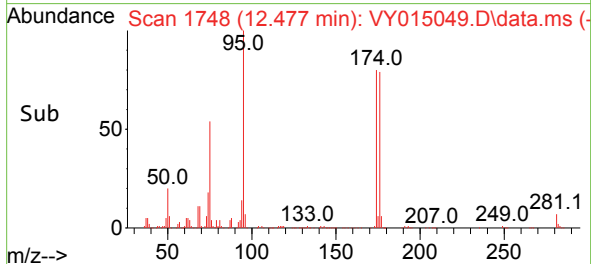
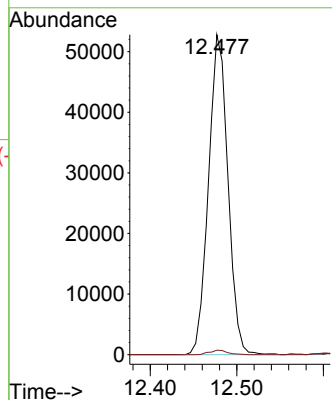
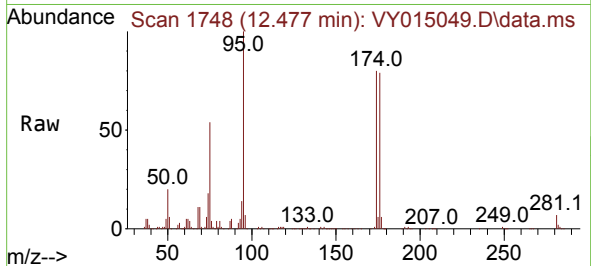




#76
1,2,3-Trichloropropane
Concen: 43.848 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

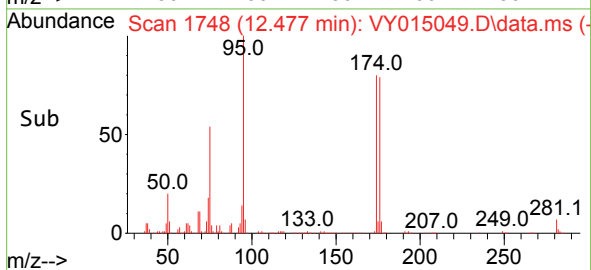
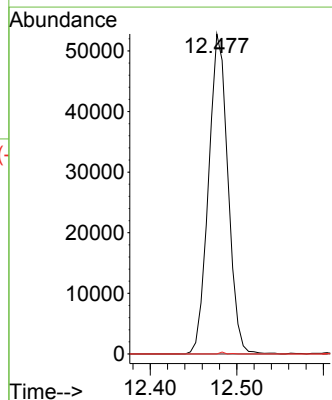
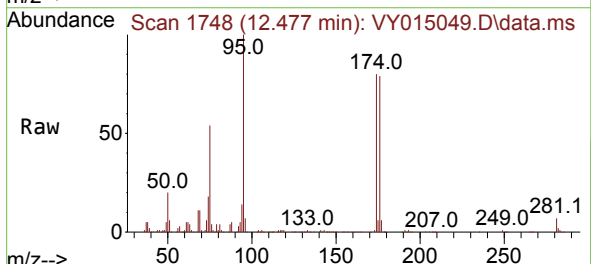
Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A

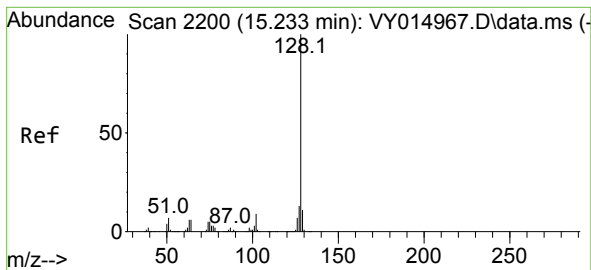
Tgt Ion: 75 Resp: 82280
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.599 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

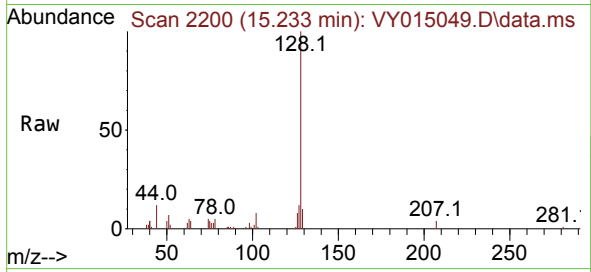
Tgt Ion: 75 Resp: 82280
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#





#95
Naphthalene
Concen: 1.562 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015049.D
Acq: 11 Aug 2023 11:12

Instrument :
MSVOA_Y
ClientSampleId :
B-PP02A



Tgt Ion:	128	Resp:	10846
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.5	8.6	13.0

