

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015243.D
 Acq On : 22 Aug 2023 14:40
 Operator : SY/MD
 Sample : 04082-01
 Misc : 3.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 277

Quant Time: Aug 23 00:48:47 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)

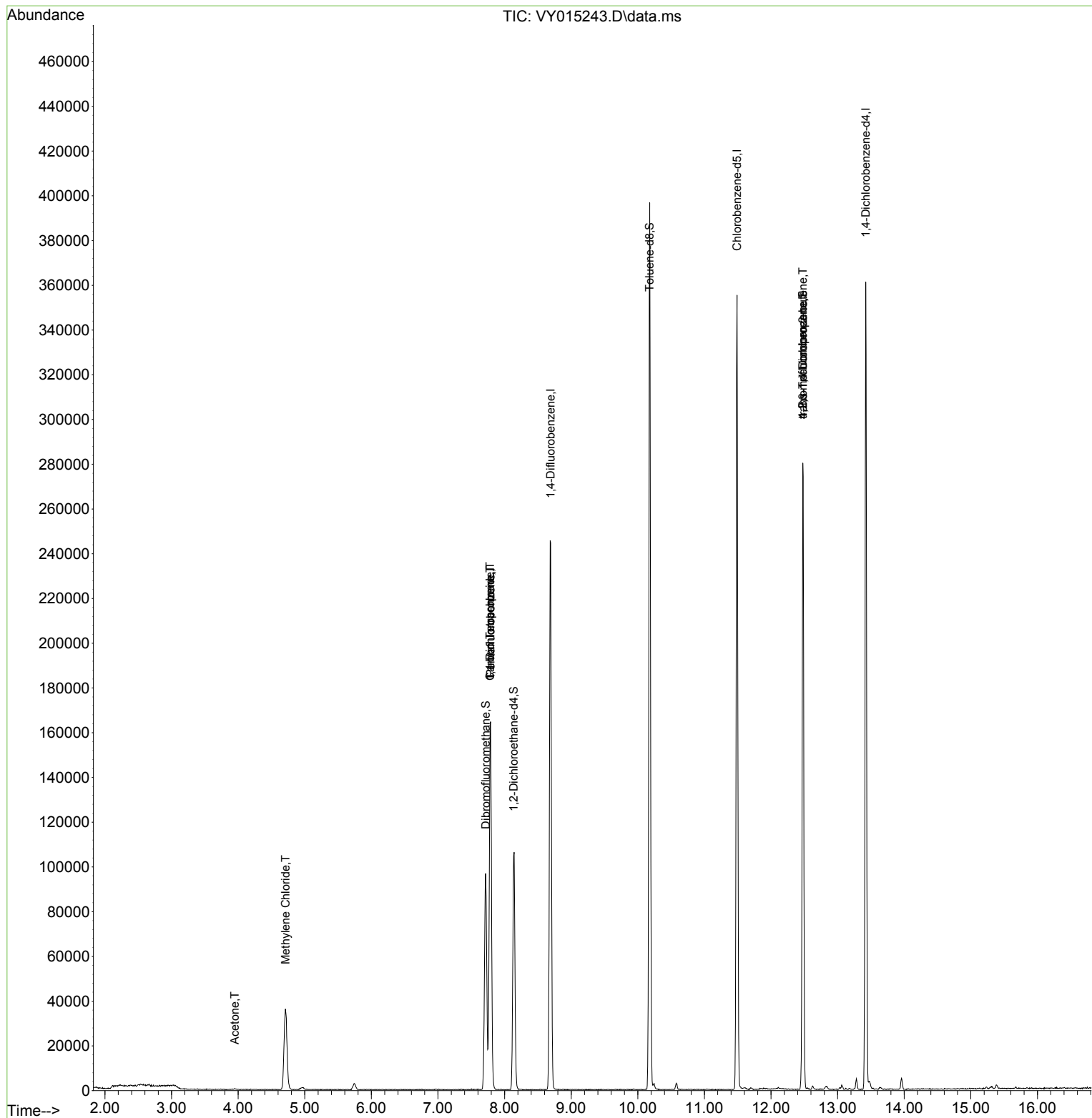
Internal Standards						
1) Pentafluorobenzene	7.789	168	130845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	193022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84574	53.846	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.716	113	68638	49.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.179	98	252392	49.151	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.477	95	82993	44.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	290	Below Cal		92
5) Bromomethane	2.656	94	170	Below Cal	#	2
11) Tert butyl alcohol	4.966	59	2002	Below Cal		98
16) Acetone	3.948	43	792	1.544	ug/l #	77
20) Methylene Chloride	4.710	84	27922	20.114	ug/l	93
31) Cyclohexane	7.783	56	2719	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10553	6.915	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13236	7.328	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44430	39.425	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44430	86.596	ug/l #	11

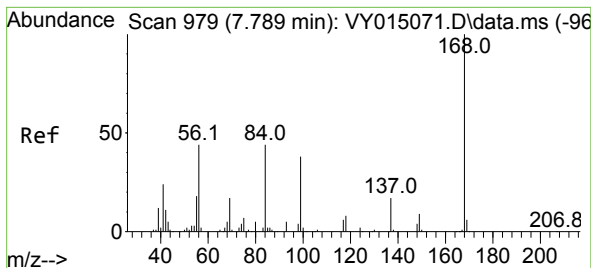
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015243.D

Acq: 22 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

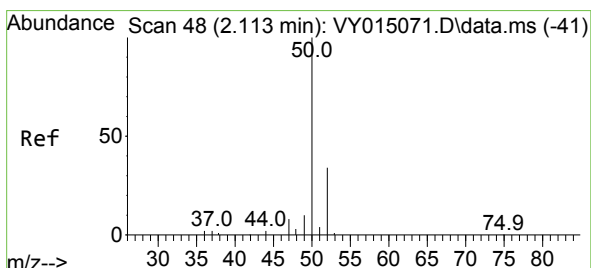
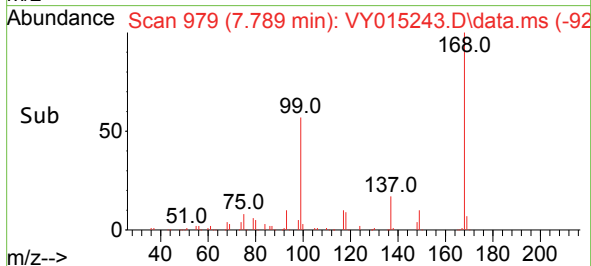
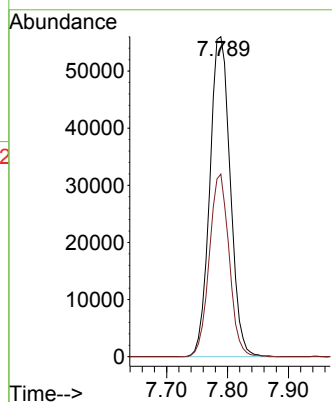
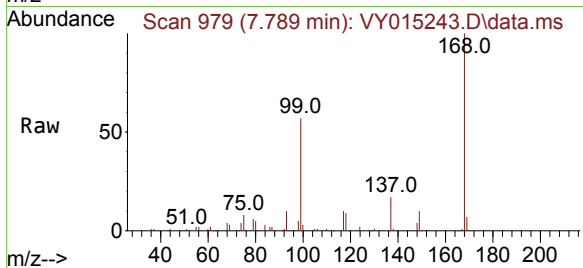
277

Tgt Ion:168 Resp: 130845

Ion Ratio Lower Upper

168 100

99 57.1 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.101 min Scan# 46

Delta R.T. -0.006 min

Lab File: VY015243.D

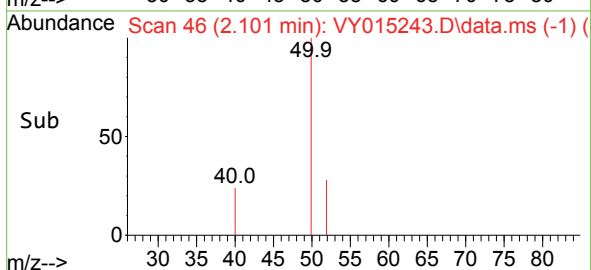
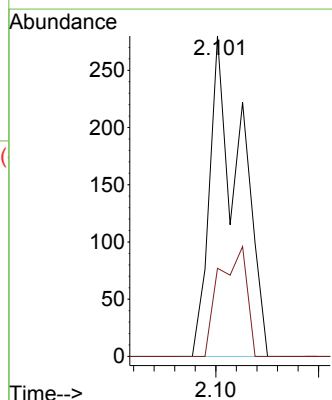
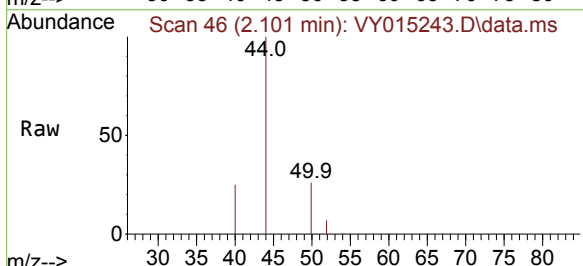
Acq: 22 Aug 2023 14:40

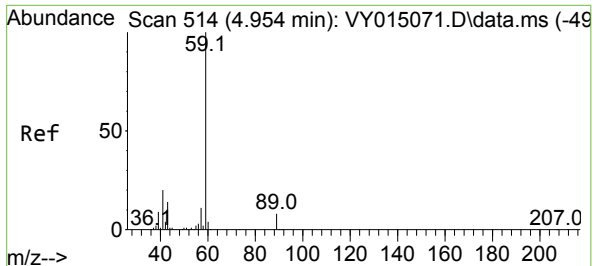
Tgt Ion: 50 Resp: 290

Ion Ratio Lower Upper

50 100

52 27.5 25.4 38.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 514

Delta R.T. 0.018 min

Lab File: VY015243.D

Acq: 22 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

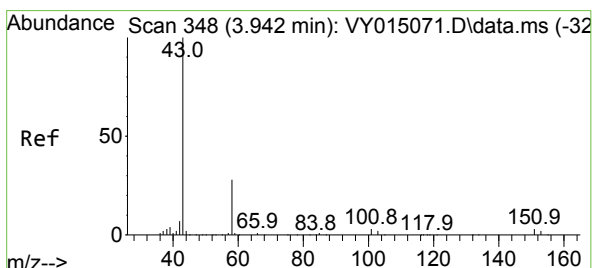
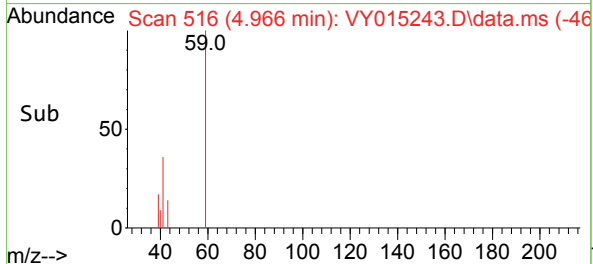
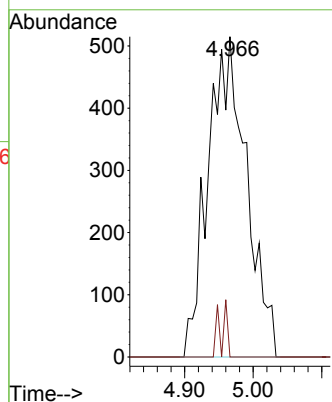
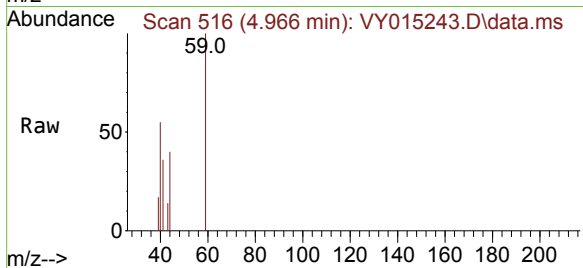
277

Tgt Ion: 59 Resp: 2002

Ion Ratio Lower Upper

59 100

57 3.2 3.0 4.4



#16

Acetone

Concen: 1.544 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015243.D

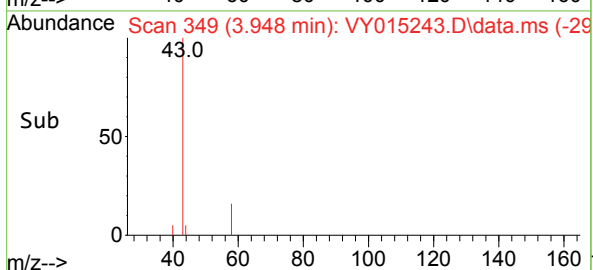
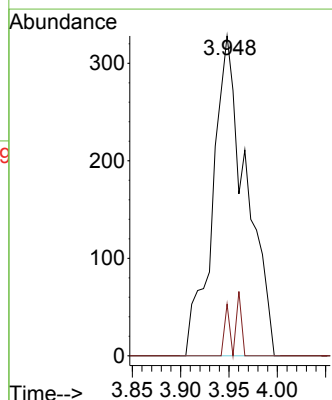
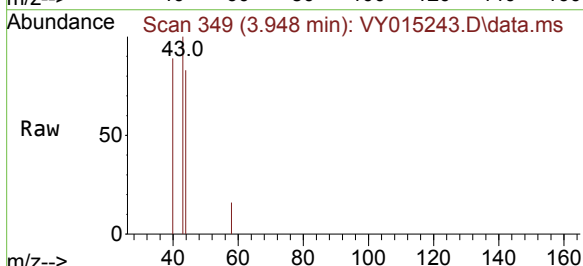
Acq: 22 Aug 2023 14:40

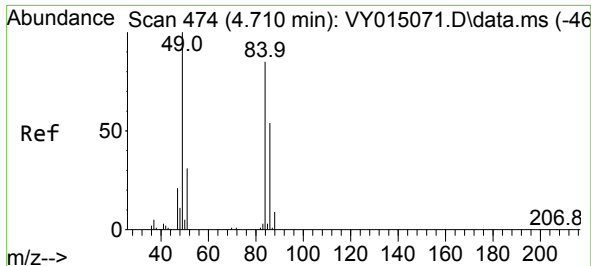
Tgt Ion: 43 Resp: 792

Ion Ratio Lower Upper

43 100

58 16.2 22.7 34.1#

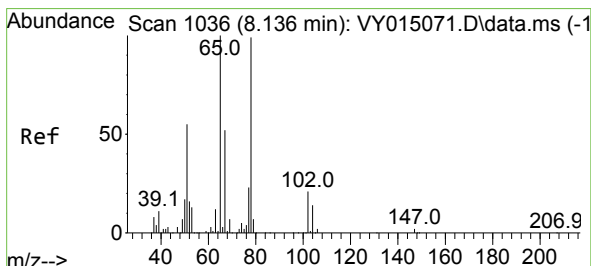
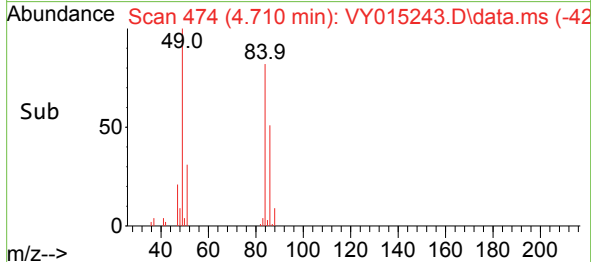
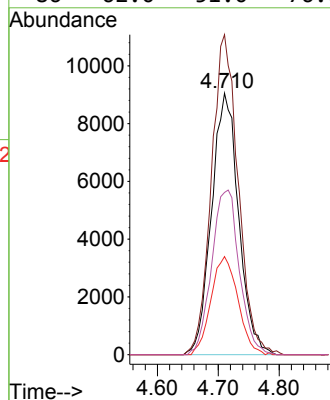
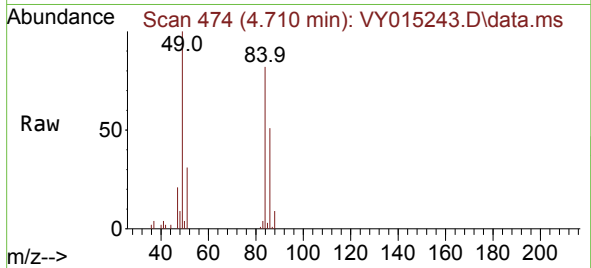




#20
Methylene Chloride
Concen: 20.114 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

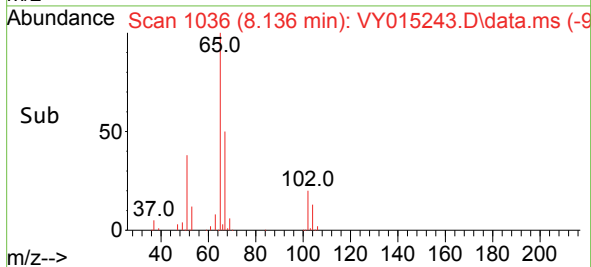
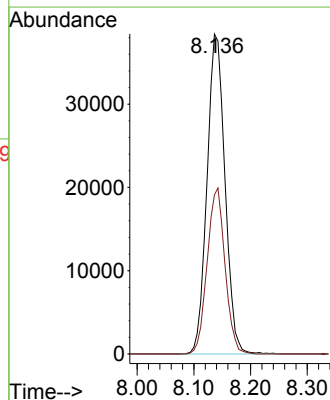
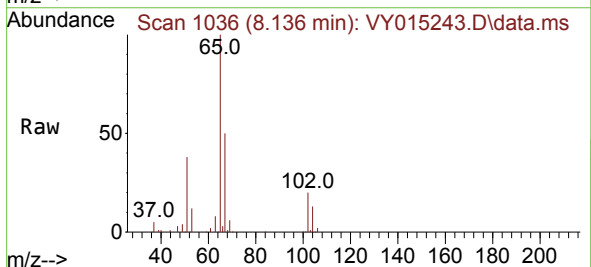
Instrument :
MSVOA_Y
ClientSampleId :
277

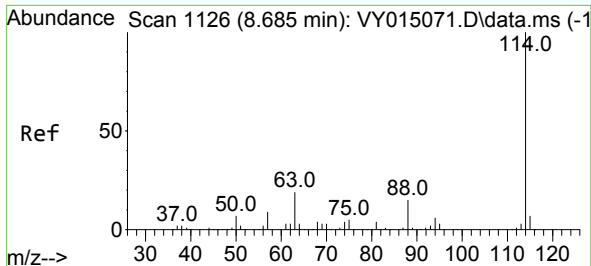
Tgt Ion:	84	Resp:	27922
Ion	Ratio	Lower	Upper
84	100		
49	122.4	106.9	160.3
51	37.5	33.2	49.8
86	62.0	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 53.846 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion:	65	Resp:	84574
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.8

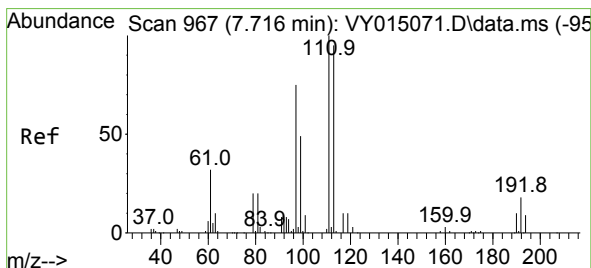
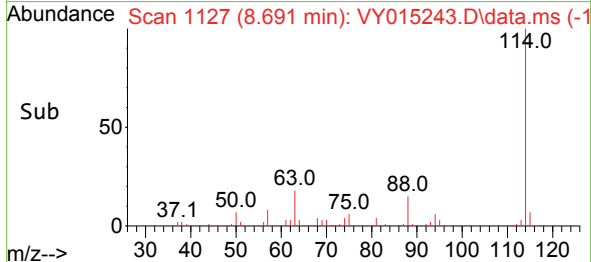
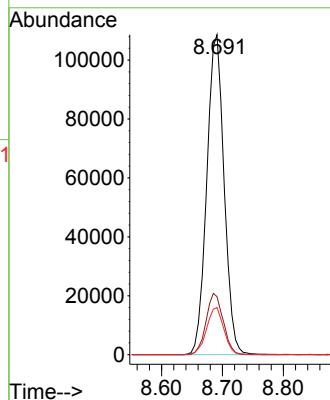
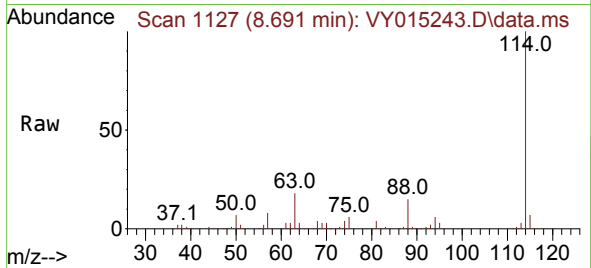




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

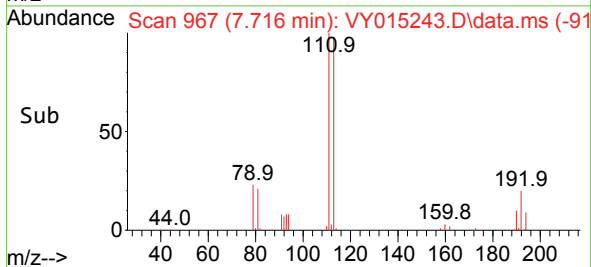
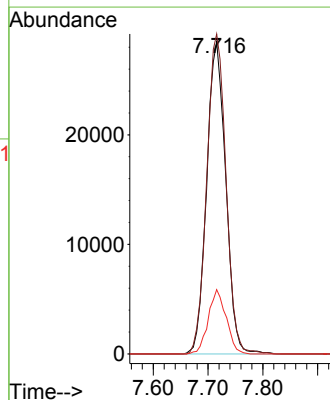
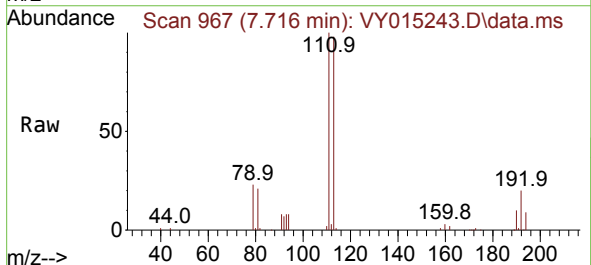
Instrument :
MSVOA_Y
ClientSampleId :
277

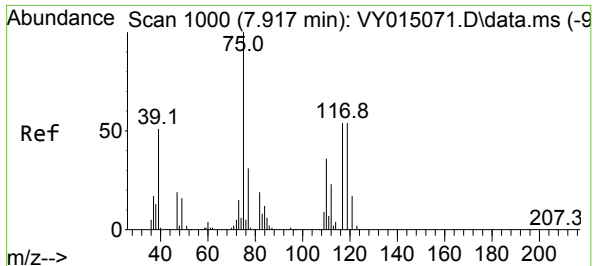
Tgt Ion:114 Resp: 214418
Ion Ratio Lower Upper
114 100
63 18.1 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.758 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion:113 Resp: 68638
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.915 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY015243.D

Acq: 22 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

277

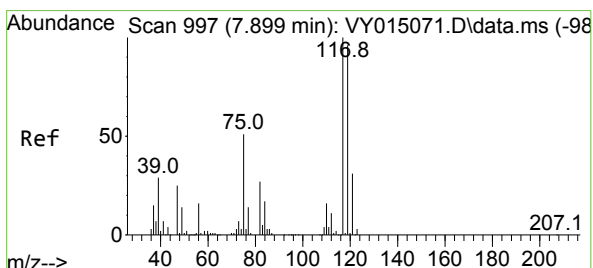
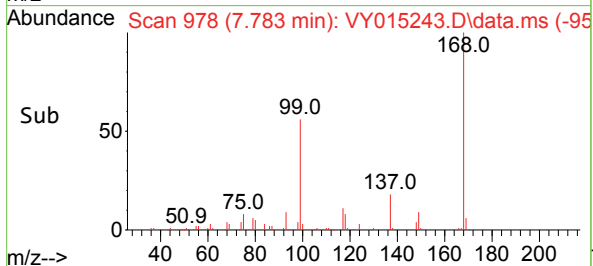
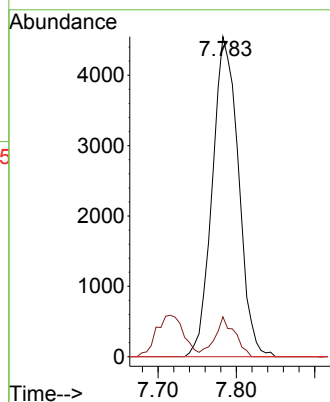
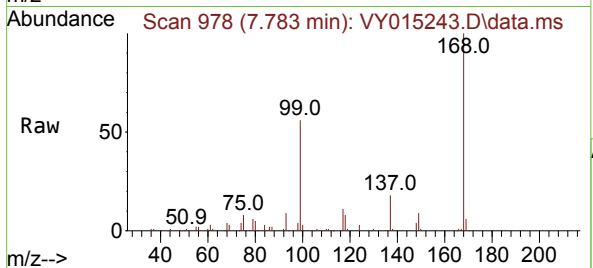
Tgt Ion: 75 Resp: 10553

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.328 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015243.D

Acq: 22 Aug 2023 14:40

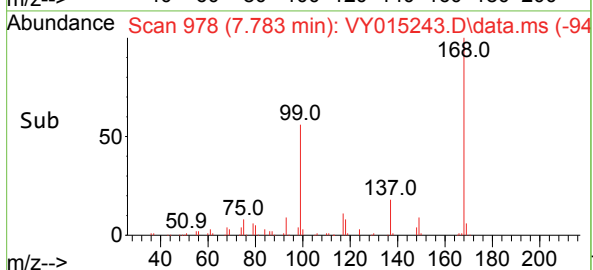
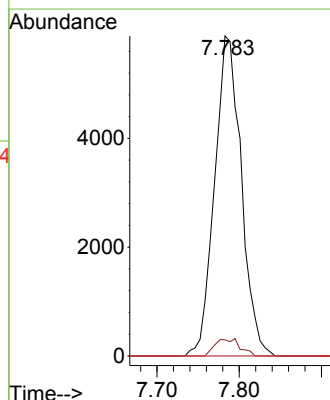
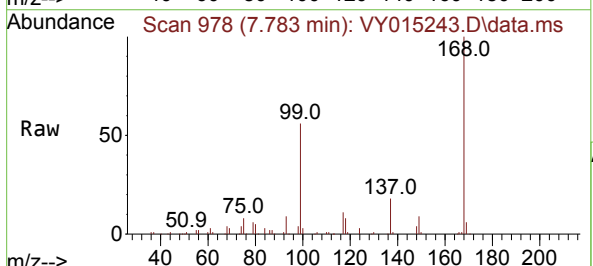
Tgt Ion: 117 Resp: 13236

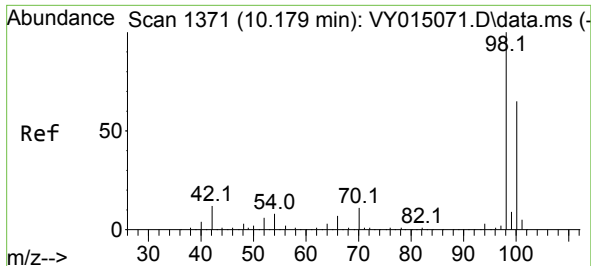
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#

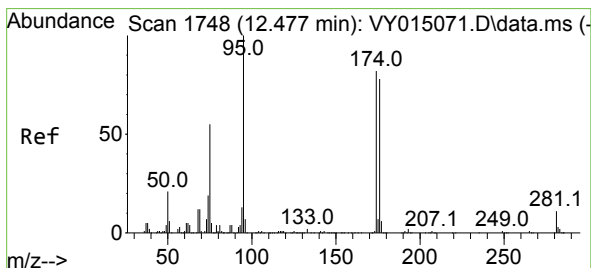
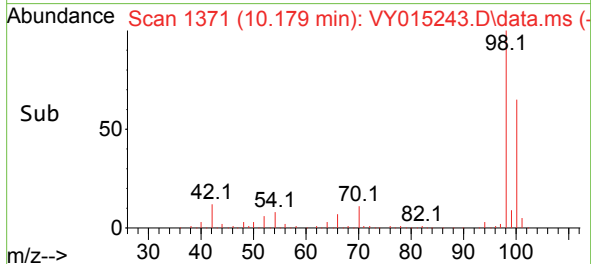
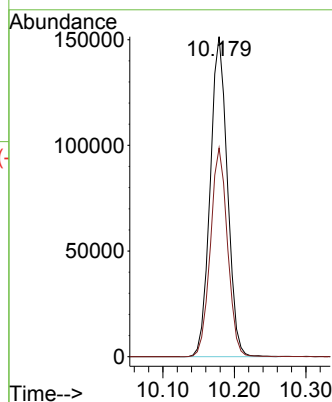
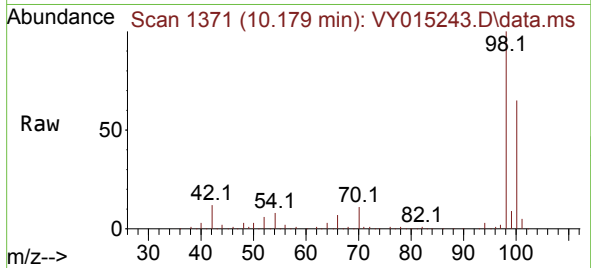




#50
Toluene-d8
Concen: 49.151 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

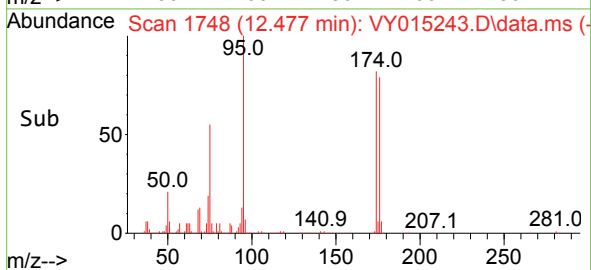
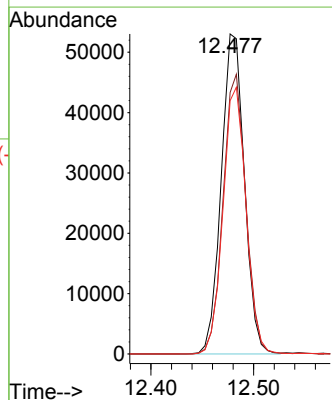
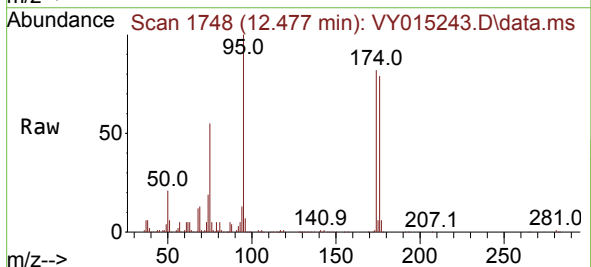
Instrument :
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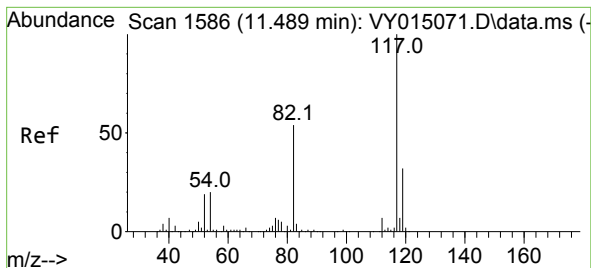
Tgt Ion: 98 Resp: 252392
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.250 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion: 95 Resp: 82993
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 83.1 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: VY015243.D

Acq: 22 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

277

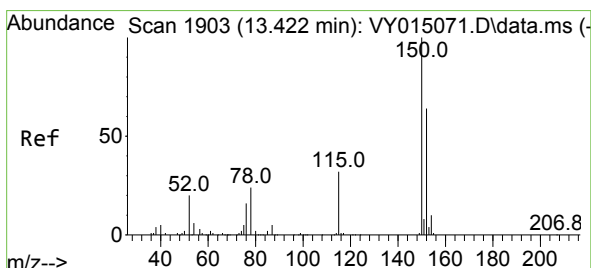
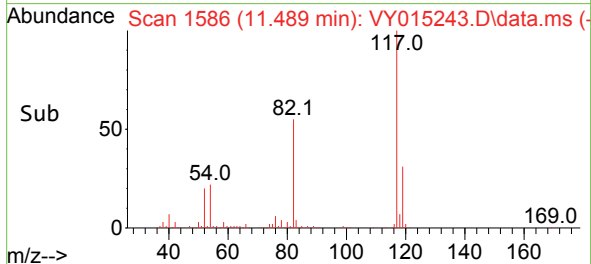
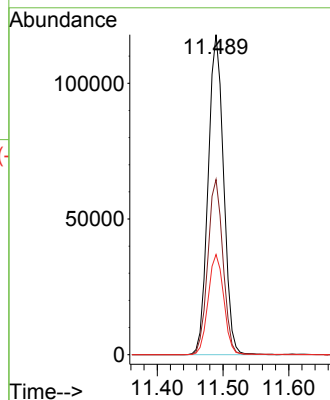
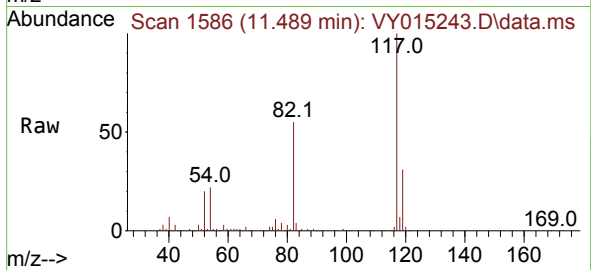
Tgt Ion:117 Resp: 193022

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 31.3 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: VY015243.D

Acq: 22 Aug 2023 14:40

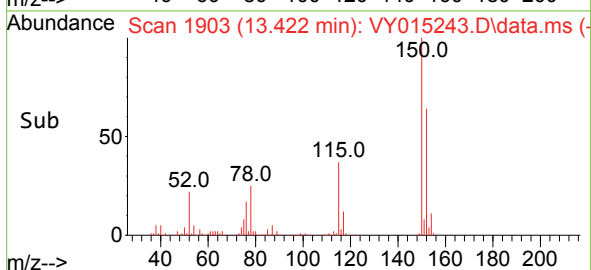
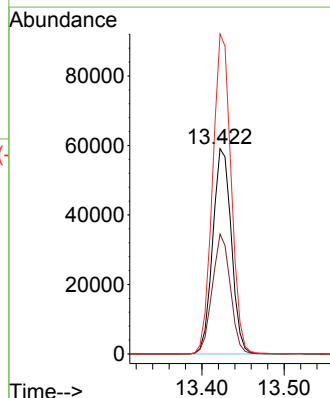
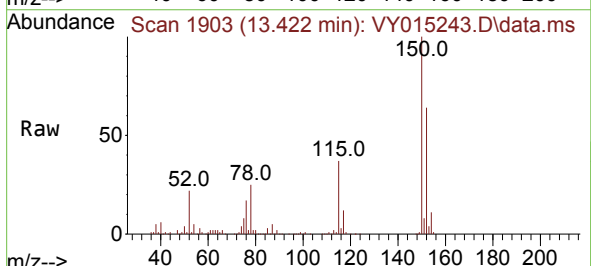
Tgt Ion:152 Resp: 92759

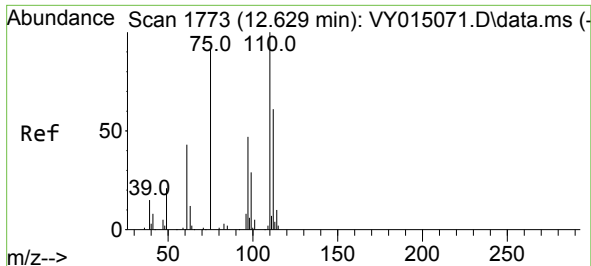
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 155.3 0.0 348.8

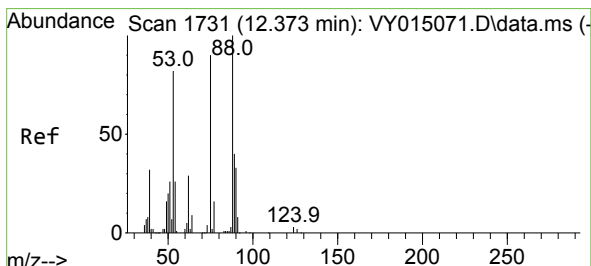
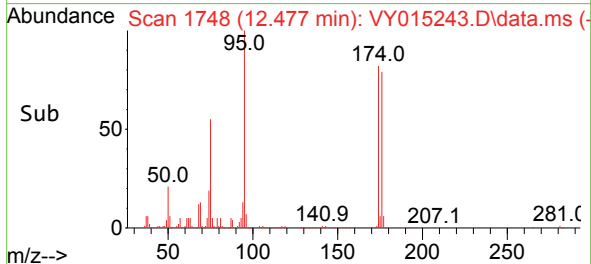
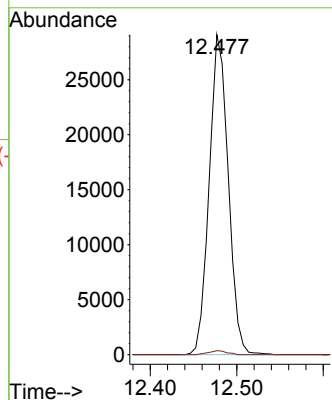
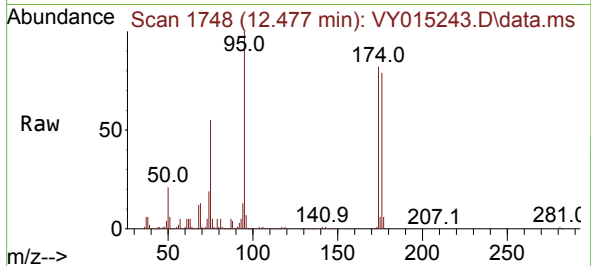




#76
1,2,3-Trichloropropane
Concen: 39.425 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Instrument :
MSVOA_Y
ClientSampleId :
277

Tgt Ion: 75 Resp: 44430
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.596 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015243.D
Acq: 22 Aug 2023 14:40

Tgt Ion: 75 Resp: 44430
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

