

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015249.D
 Acq On : 22 Aug 2023 17:02
 Operator : SY/MD
 Sample : 04090-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-K

Quant Time: Aug 23 00:50:44 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)

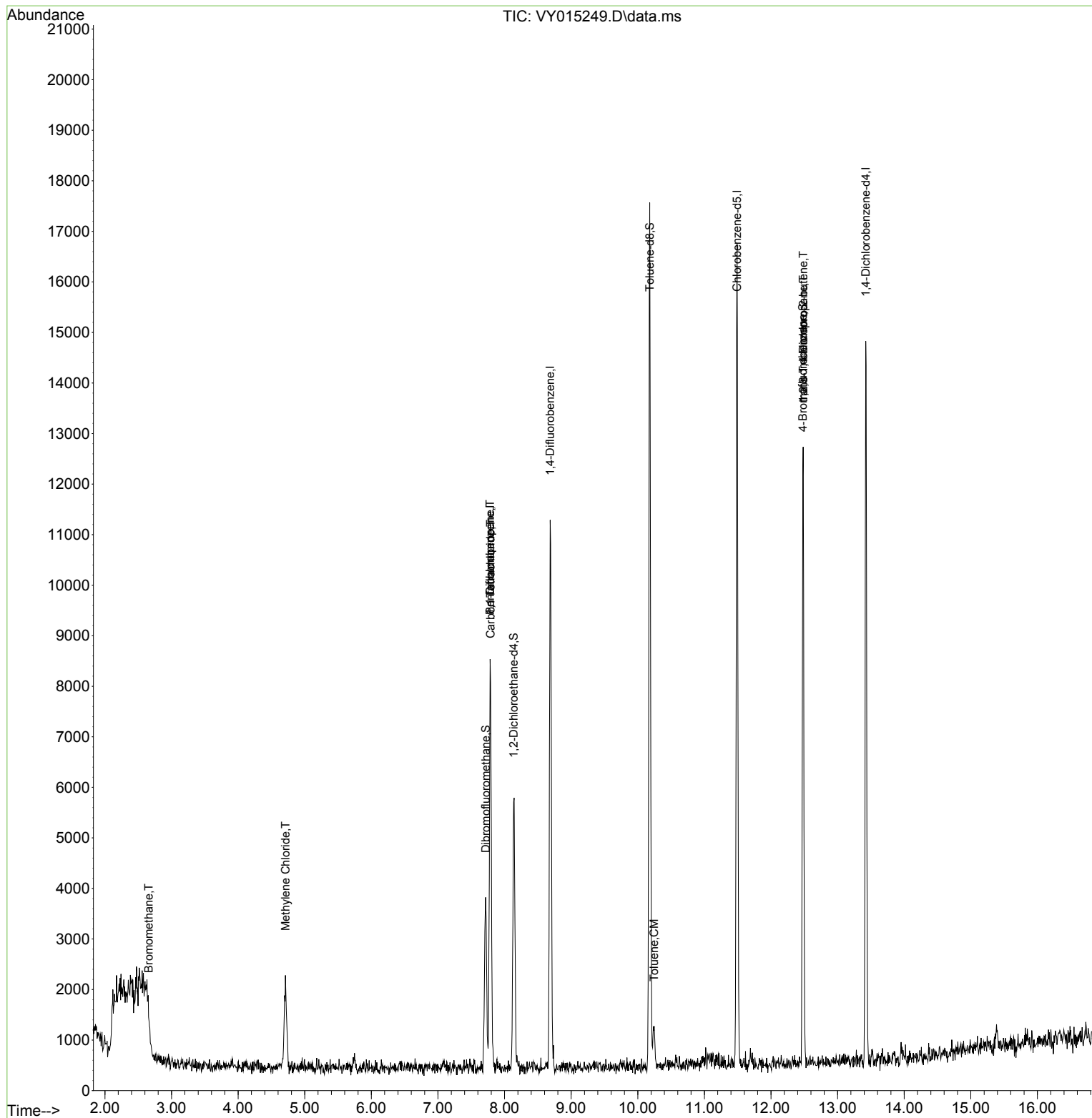
Internal Standards						
1) Pentafluorobenzene	7.783	168	6161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	9943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	4299	58.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.260%
35) Dibromofluoromethane	7.716	113	2515	39.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.640%
50) Toluene-d8	10.179	98	11465	48.148	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.477	95	3652	41.990	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	119	2.110	ug/l #	23
20) Methylene Chloride	4.710	84	1175	17.473	ug/l	88
31) Cyclohexane	7.783	56	23	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	487	6.882	ug/l #	41
38) Carbon Tetrachloride	7.789	117	659	7.868	ug/l #	12
52) Toluene	10.246	92	499	3.538	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	2129	44.921	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2129	98.668	ug/l #	10

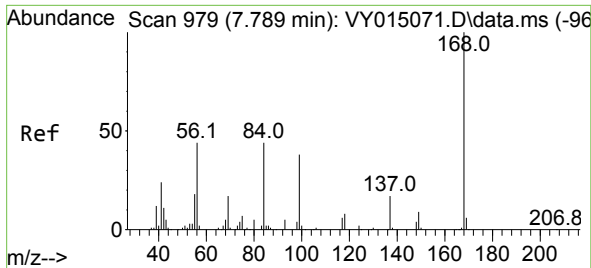
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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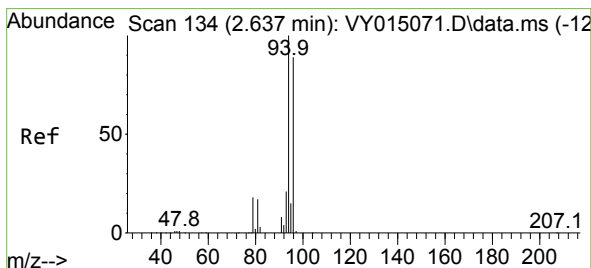
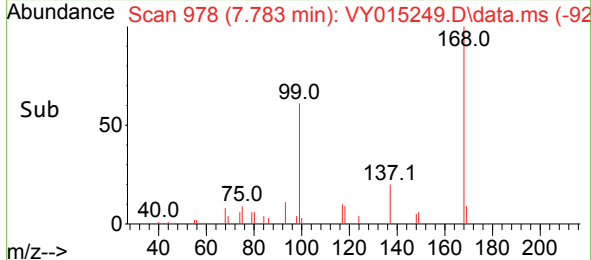
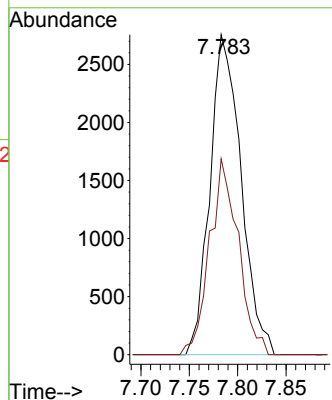
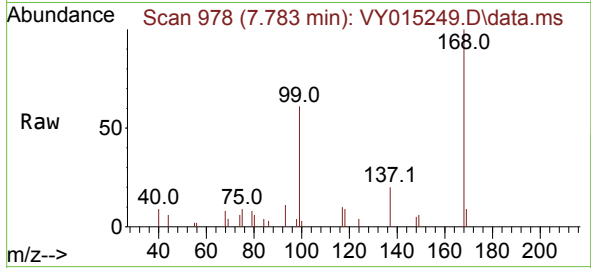




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

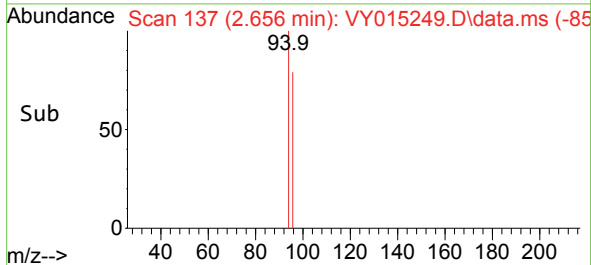
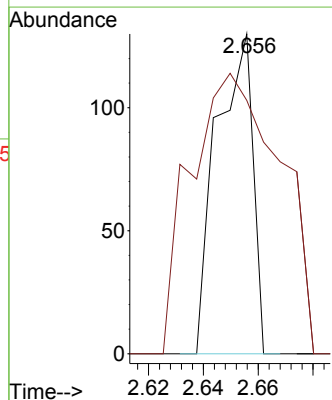
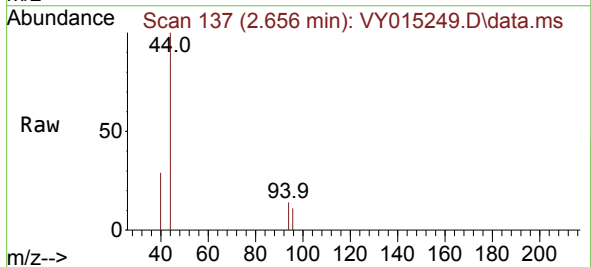
Instrument :
MSVOA_Y
ClientSampleId :
TP-K

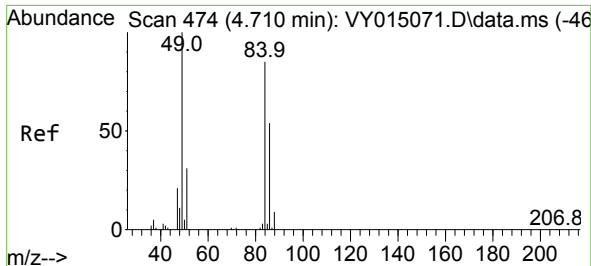
Tgt Ion:168 Resp: 6161
Ion Ratio Lower Upper
168 100
99 61.2 43.4 65.0



#5
Bromomethane
Concen: 2.110 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 20.0 75.8 113.6#

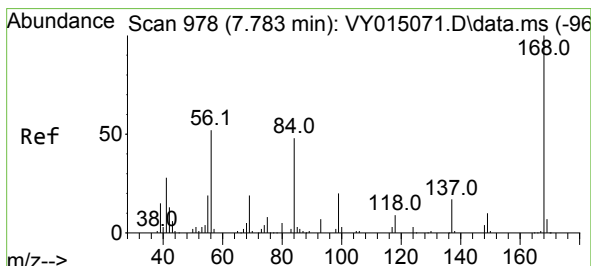
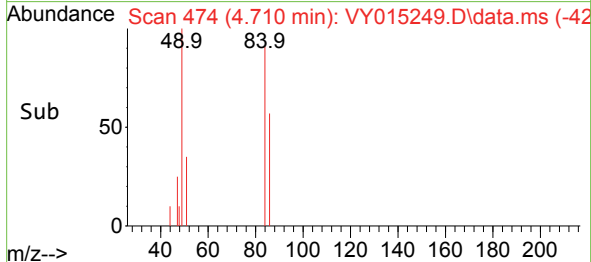
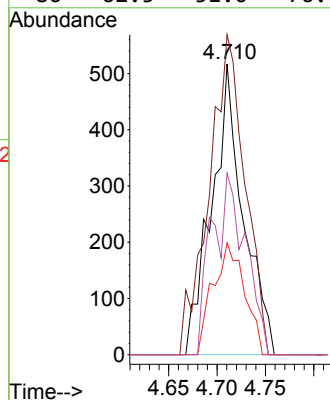
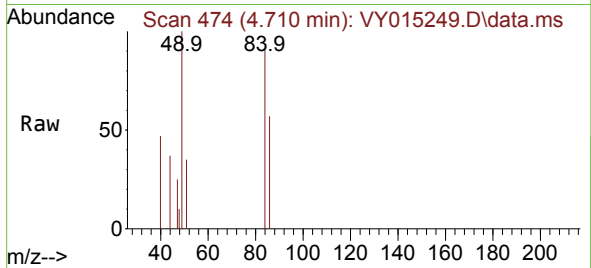




#20
Methylene Chloride
Concen: 17.473 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

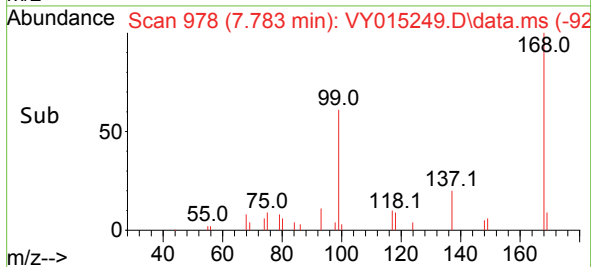
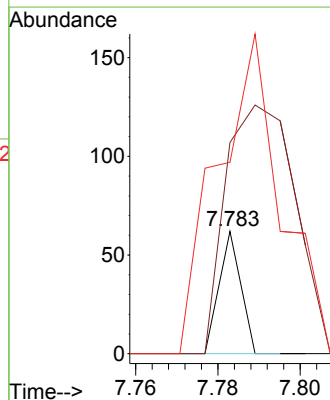
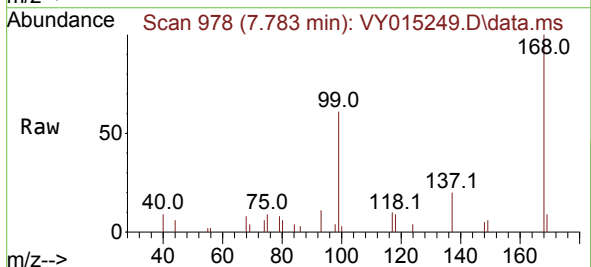
Instrument :
MSVOA_Y
ClientSampleId :
TP-K

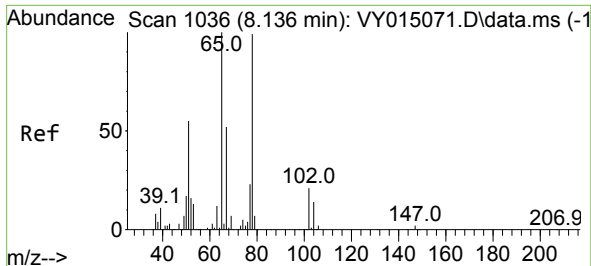
Tgt Ion:	84	Resp:	1175
Ion	Ratio	Lower	Upper
84	100		
49	110.1	106.9	160.3
51	38.5	33.2	49.8
86	62.5	51.0	76.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

Tgt Ion:	56	Resp:	23
Ion	Ratio	Lower	Upper
56	100		
69	172.6	27.8	41.6#
84	156.5	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.128 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015249.D

Acq: 22 Aug 2023 17:02

Instrument :

MSVOA_Y

ClientSampleId :

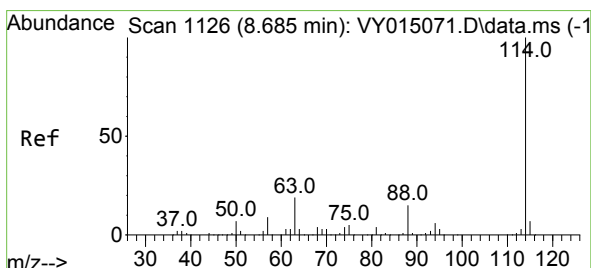
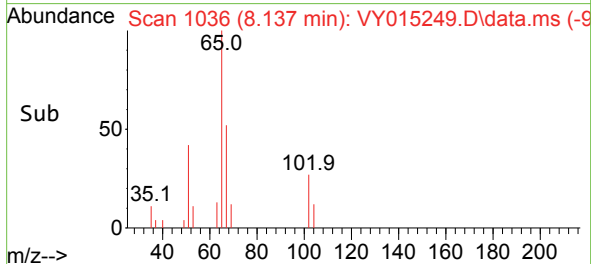
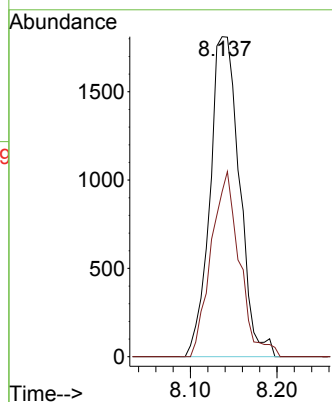
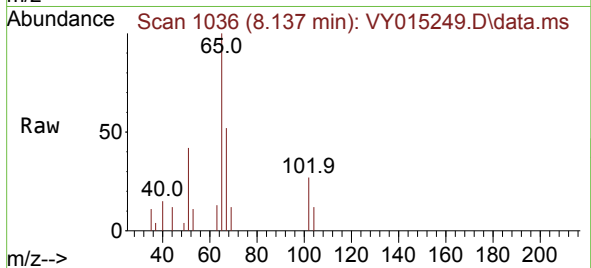
TP-K

Tgt Ion: 65 Resp: 4299

Ion Ratio Lower Upper

65 100

67 55.8 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: VY015249.D

Acq: 22 Aug 2023 17:02

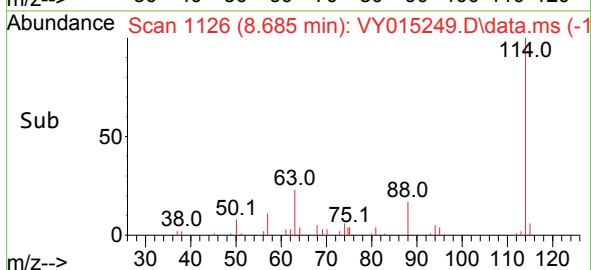
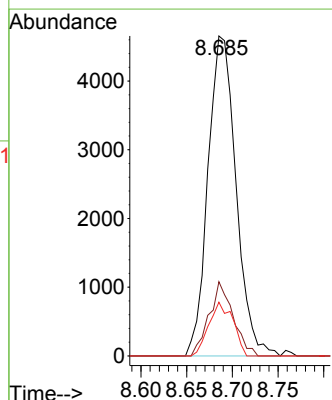
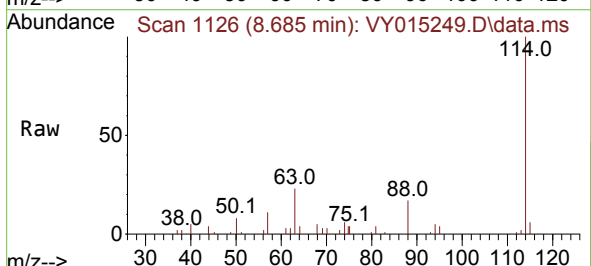
Tgt Ion: 114 Resp: 9943

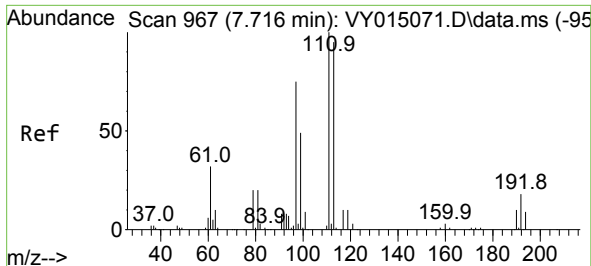
Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.4

88 16.8 0.0 30.6

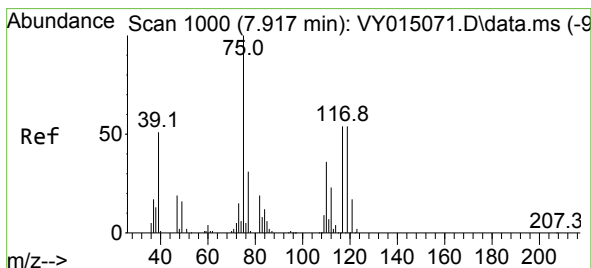
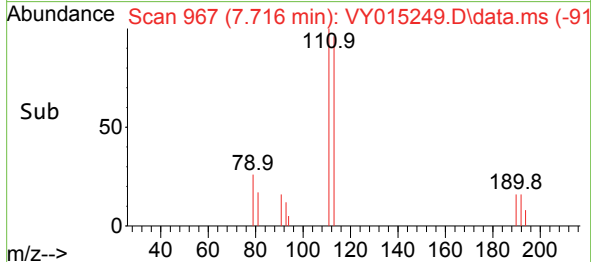
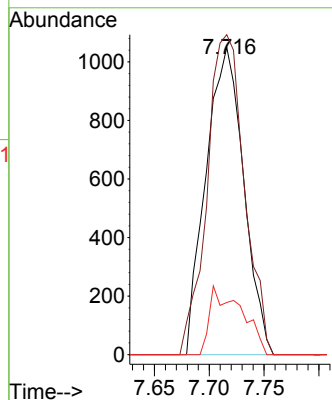
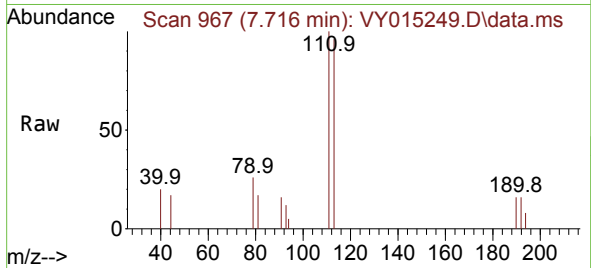




#35
Dibromofluoromethane
Concen: 39.317 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

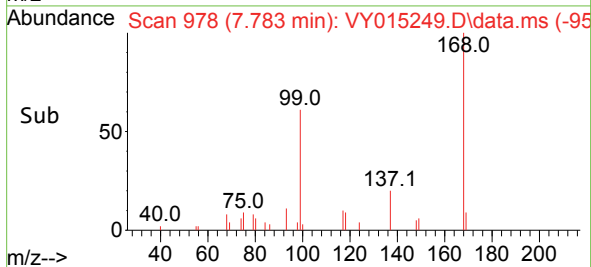
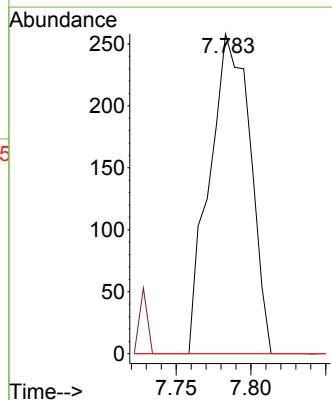
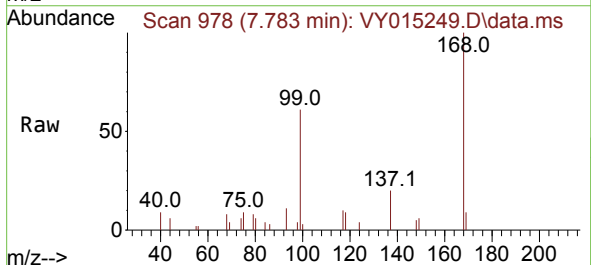
Instrument :
MSVOA_Y
ClientSampleId :
TP-K

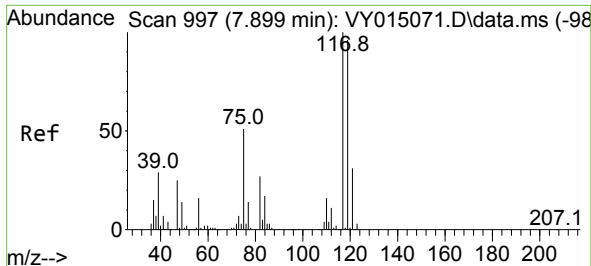
Tgt Ion:113 Resp: 2515
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.882 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

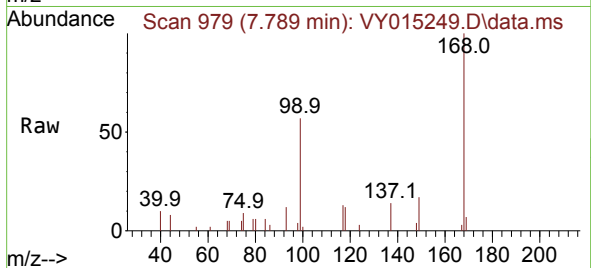
Tgt Ion: 75 Resp: 487
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



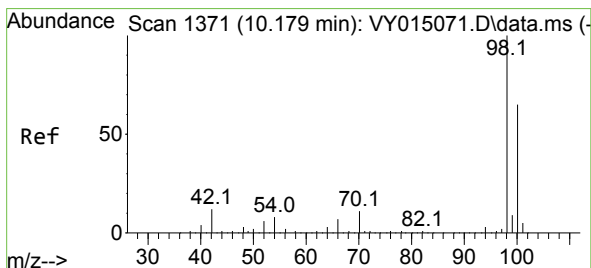
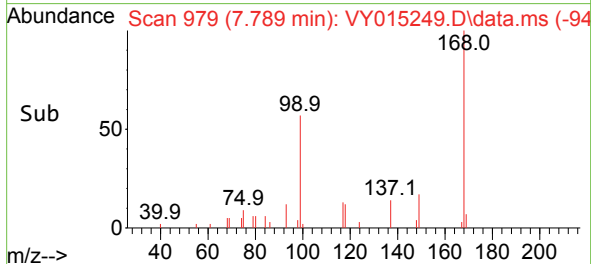
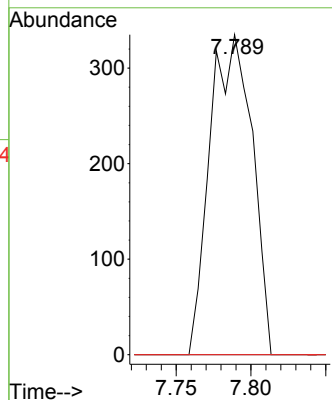


#38
Carbon Tetrachloride
Concen: 7.868 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-K

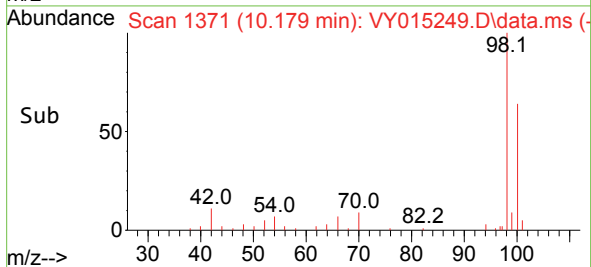
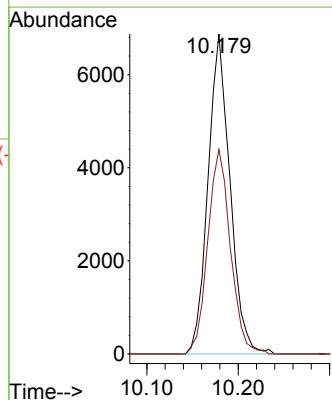
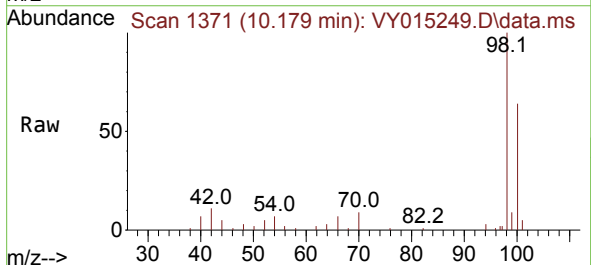


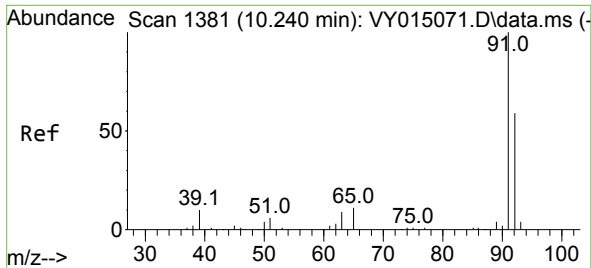
Tgt Ion:117 Resp: 659
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.148 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

Tgt Ion: 98 Resp: 11465
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1

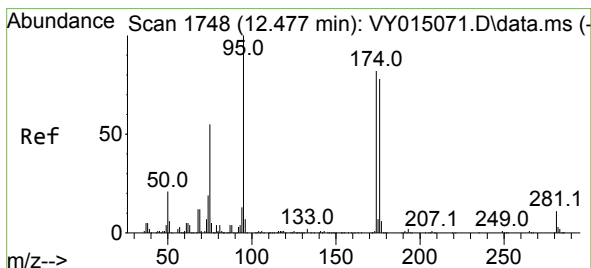
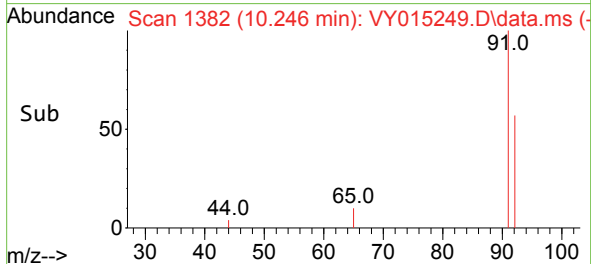
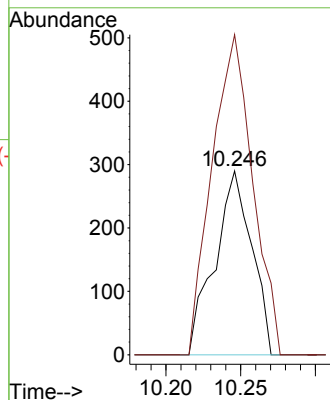
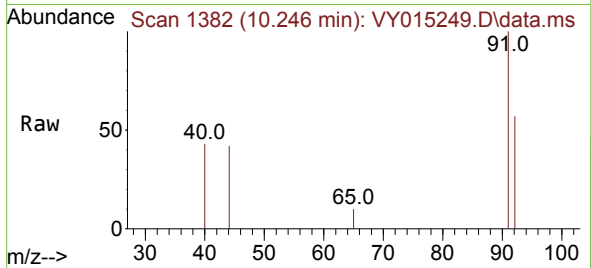




#52
Toluene
Concen: 3.538 ug/l
RT: 10.246 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

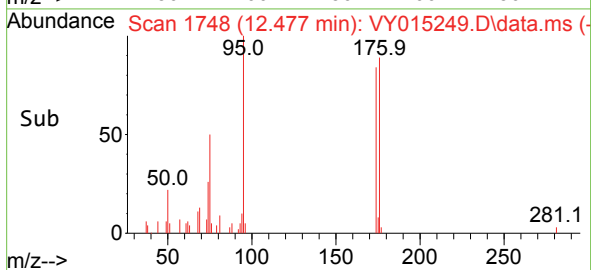
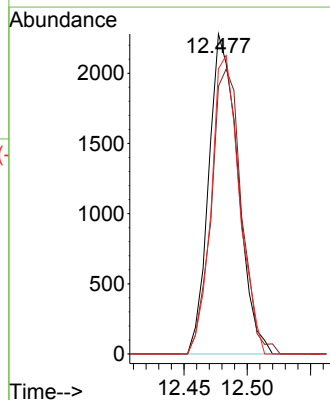
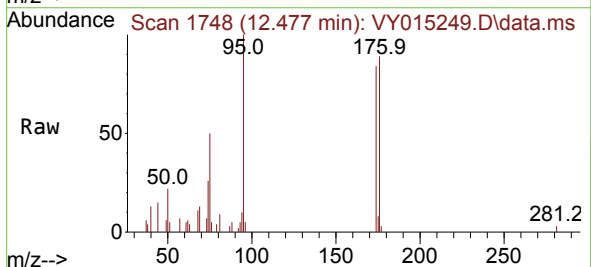
Instrument :
MSVOA_Y
ClientSampleId :
TP-K

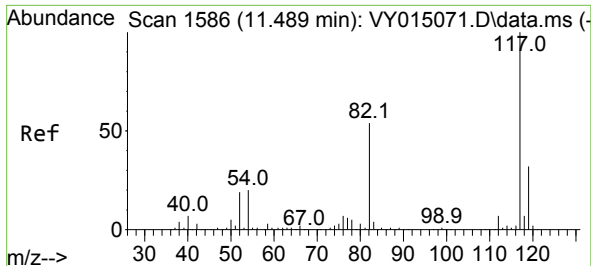
Tgt Ion: 92 Resp: 499
Ion Ratio Lower Upper
92 100
91 192.0 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 41.990 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

Tgt Ion: 95 Resp: 3652
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.2
176 90.2 0.0 173.8

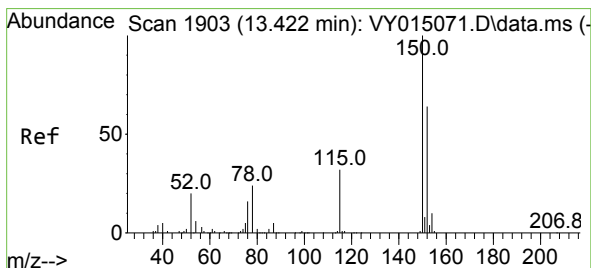
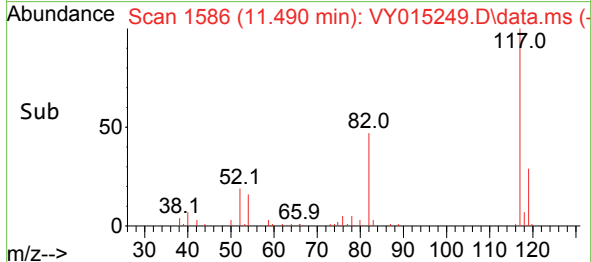
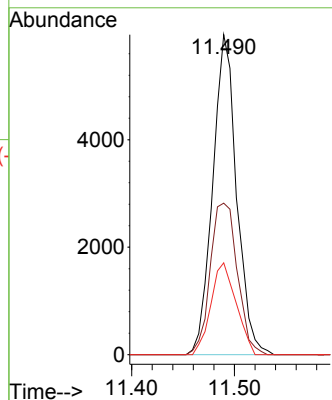
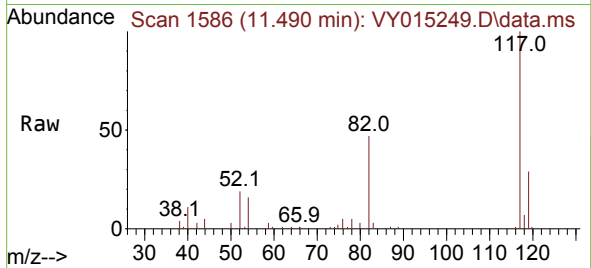




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

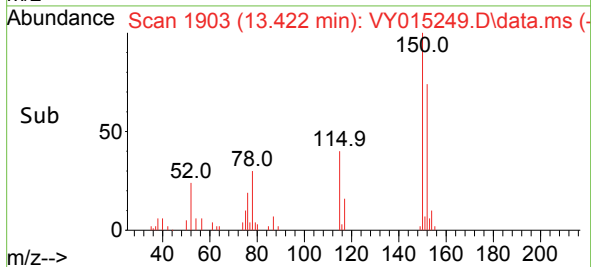
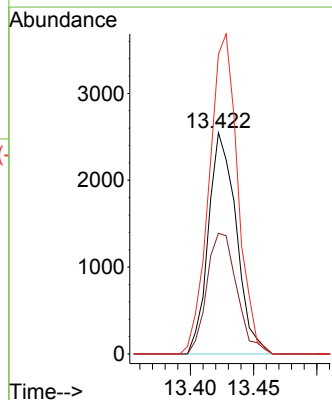
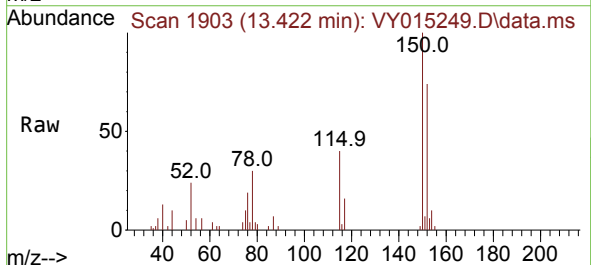
Instrument :
MSVOA_Y
ClientSampleId :
TP-K

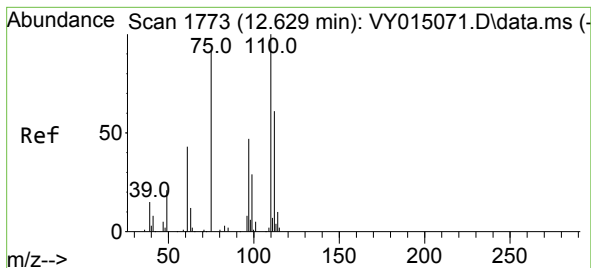
Tgt Ion:117 Resp: 9636
Ion Ratio Lower Upper
117 100
82 47.4 43.4 65.0
119 28.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015249.D
Acq: 22 Aug 2023 17:02

Tgt Ion:152 Resp: 3901
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 148.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 44.921 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015249.D

Acq: 22 Aug 2023 17:02

Instrument :

MSVOA_Y

ClientSampleId :

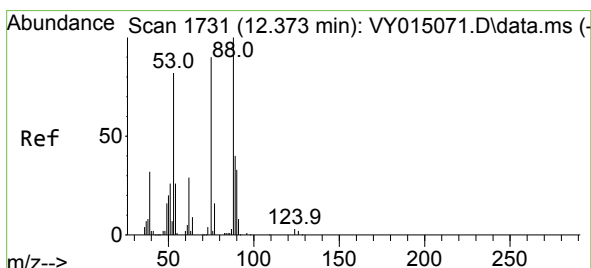
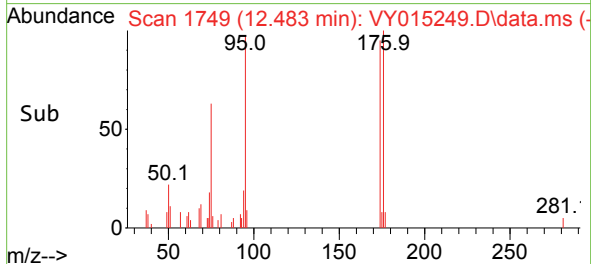
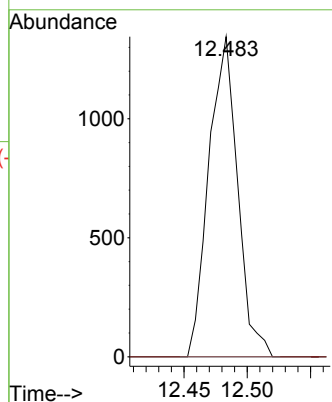
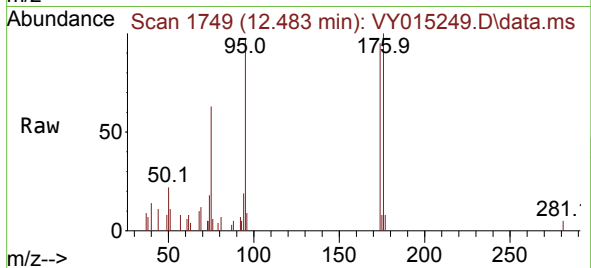
TP-K

Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 98.668 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015249.D

Acq: 22 Aug 2023 17:02

Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

