

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010524\
 Data File : VY016922.D
 Acq On : 05 Jan 2024 15:02
 Operator : SY/MD
 Sample : P1040-03
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 05 22:36:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

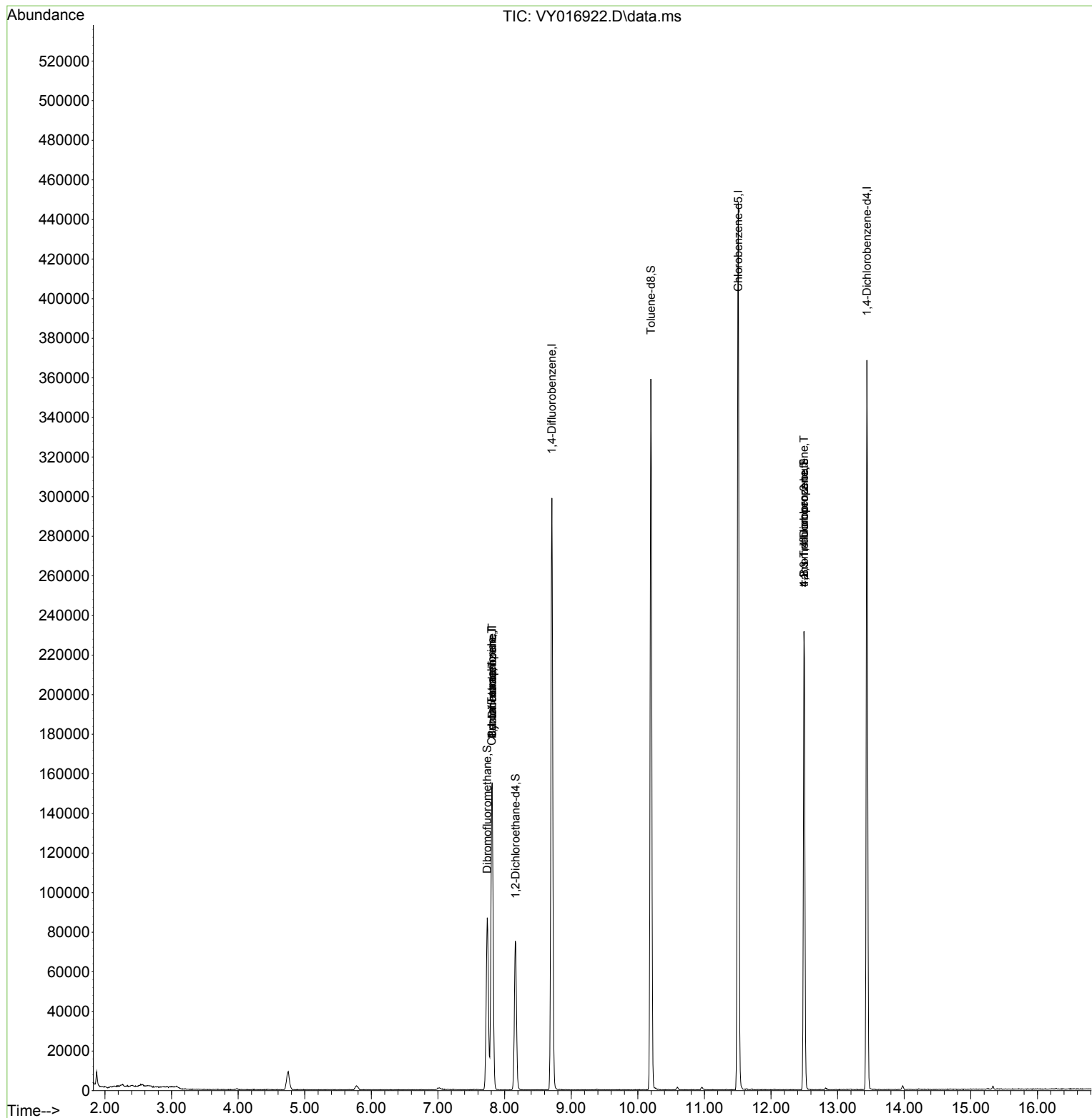
Internal Standards						
1) Pentafluorobenzene	7.813	168	117824	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	252871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	240906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	89833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	57900	49.720	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.440%
35) Dibromofluoromethane	7.740	113	62452	38.757	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.520%
50) Toluene-d8	10.197	98	230640	41.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.140%
62) 4-Bromofluorobenzene	12.495	95	71752	38.327	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.660%
Target Compounds						
					Qvalue	
16) Acetone	3.979	43	820	Below Cal	#	68
20) Methylene Chloride	4.747	84	7277	Below Cal		94
25) 2-Butanone	7.021	43	21	Below Cal	#	48
31) Cyclohexane	7.813	56	2676	1.339	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	9798	4.172	ug/l #	50
38) Carbon Tetrachloride	7.807	117	11980	5.021	ug/l #	16
76) 1,2,3-Trichloropropane	12.495	75	37369	38.333	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	37369	87.045	ug/l #	12

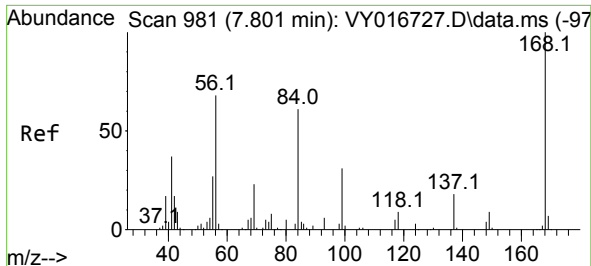
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration

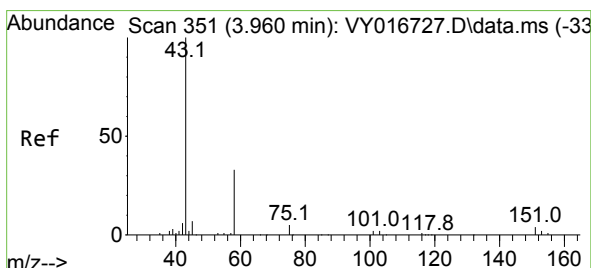
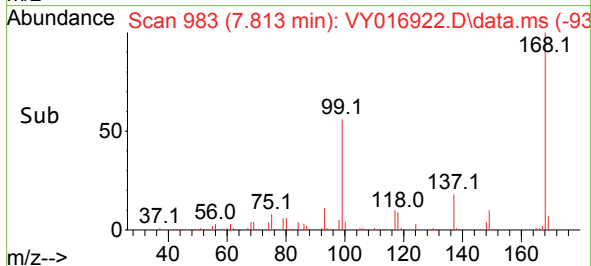
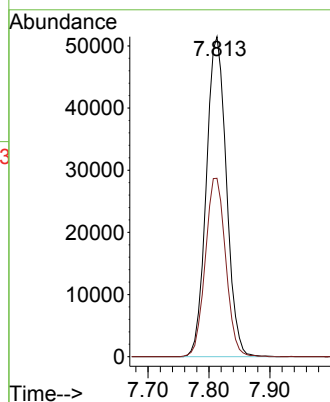
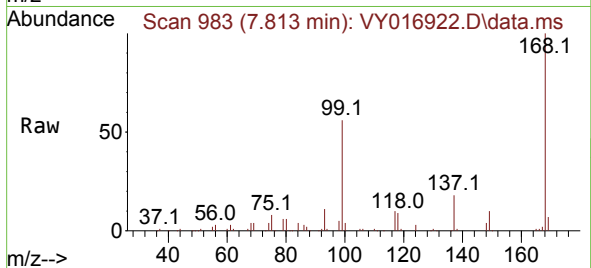




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

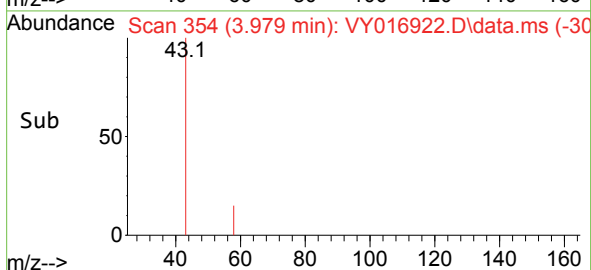
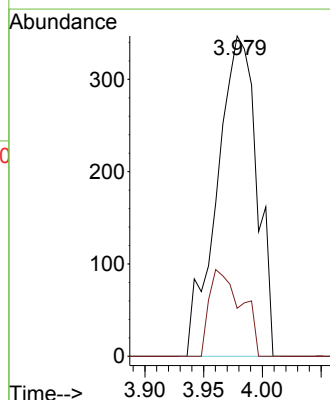
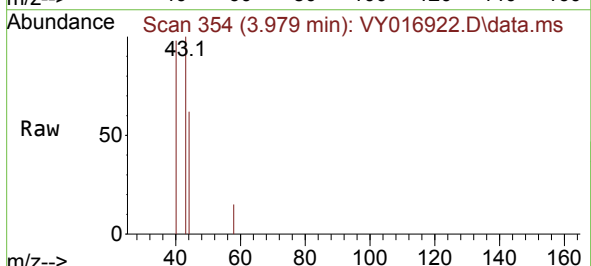
Instrument :
MSVOA_Y
ClientSampleId :

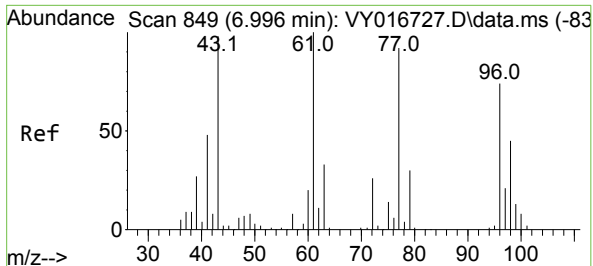
Tgt Ion:168 Resp: 117824
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#16
Acetone
Concen: Below Cal
RT: 3.979 min Scan# 354
Delta R.T. 0.019 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 15.0 26.6 39.8#





#25

2-Butanone

Concen: Below Cal

RT: 7.021 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY016922.D

Acq: 05 Jan 2024 15:02

Instrument :

MSVOA_Y

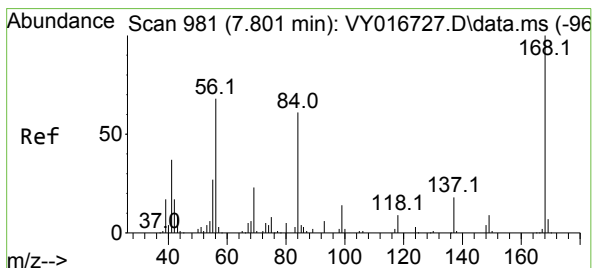
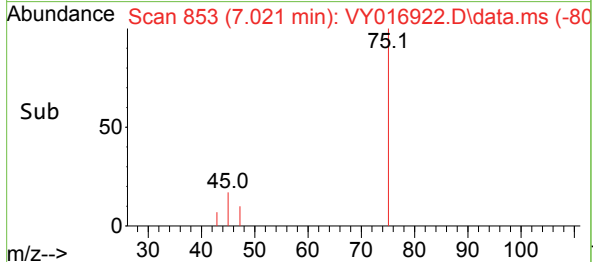
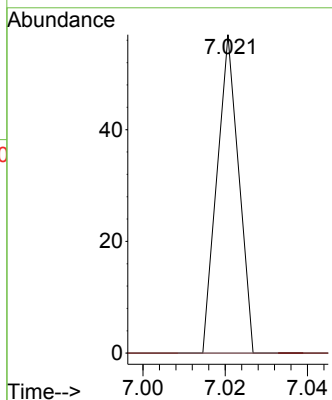
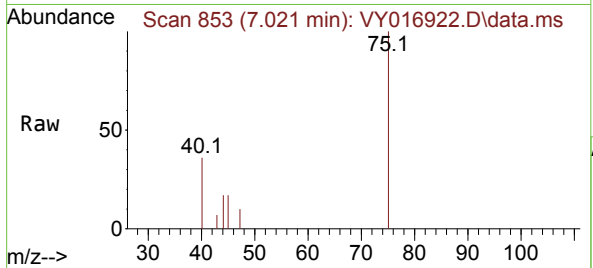
ClientSampleId :

Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016922.D

Acq: 05 Jan 2024 15:02

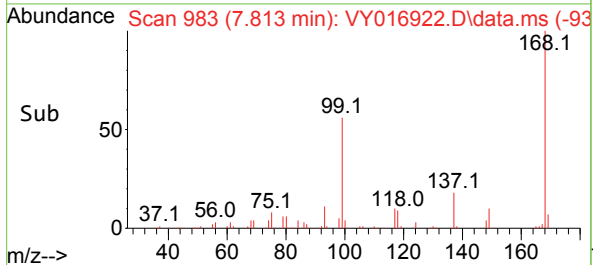
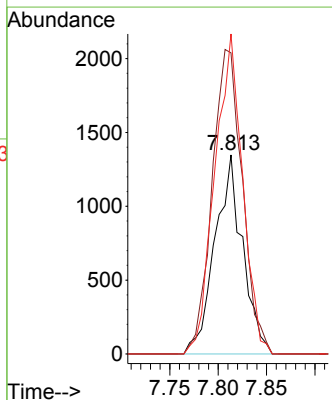
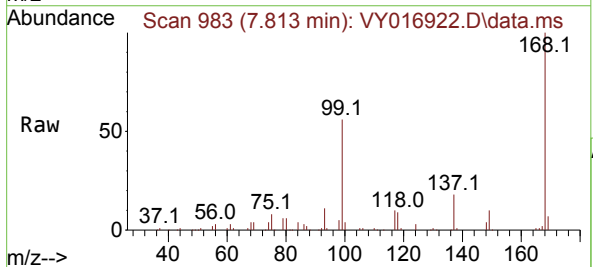
Tgt Ion: 56 Resp: 2676

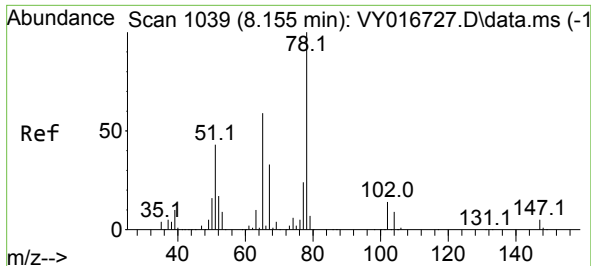
Ion Ratio Lower Upper

56 100

69 151.3 27.0 40.6#

84 160.8 71.8 107.6#

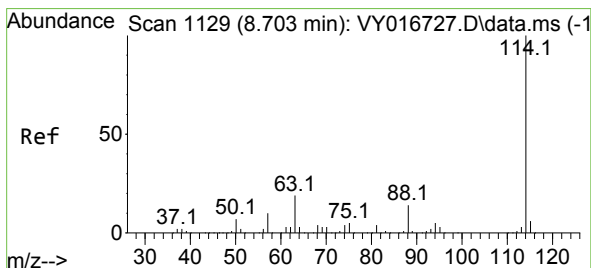
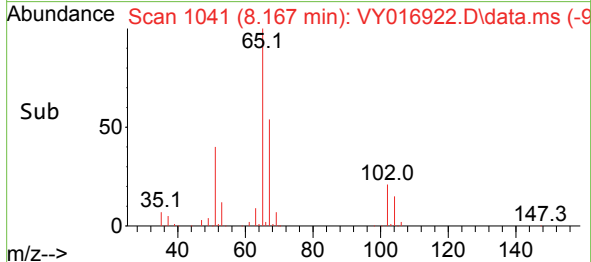
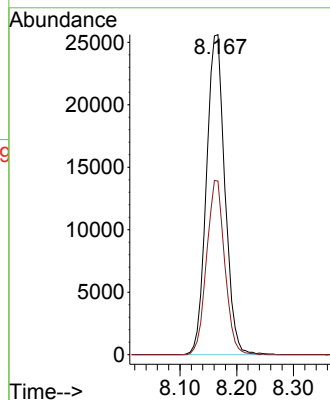
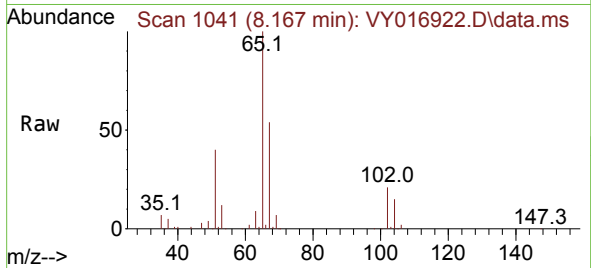




#33
1,2-Dichloroethane-d4
Concen: 49.720 ug/l
RT: 8.167 min Scan# 110
Delta R.T. 0.012 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

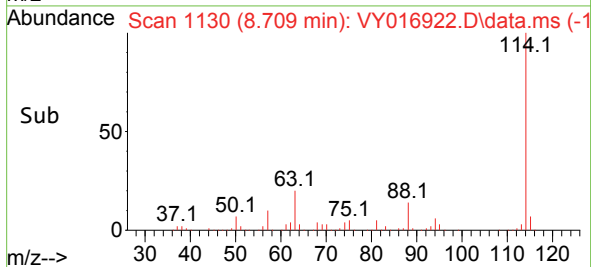
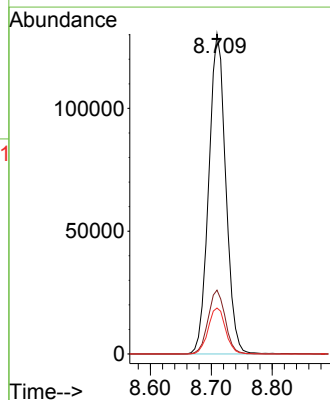
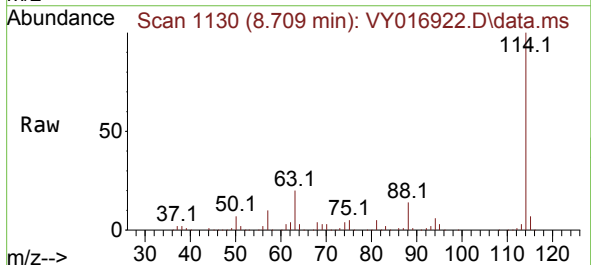
Instrument :
MSVOA_Y
ClientSampleId :

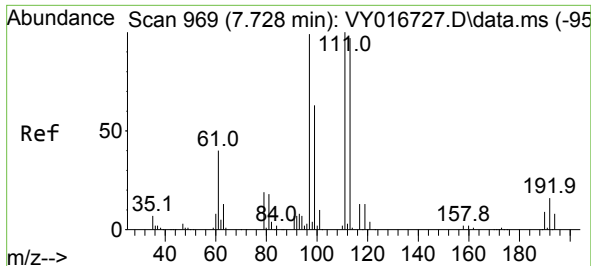
Tgt Ion: 65 Resp: 57900
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.709 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

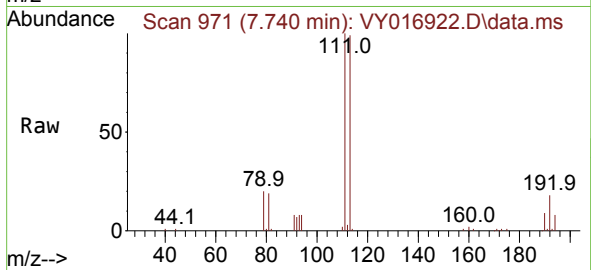
Tgt Ion:114 Resp: 252871
Ion Ratio Lower Upper
114 100
63 20.0 0.0 37.4
88 14.4 0.0 29.0



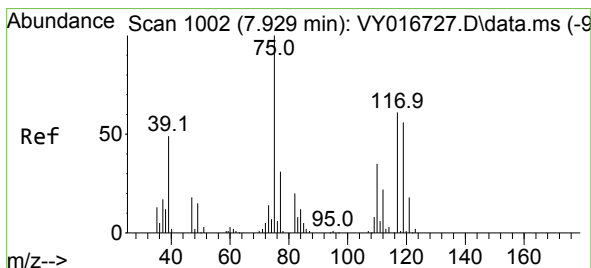
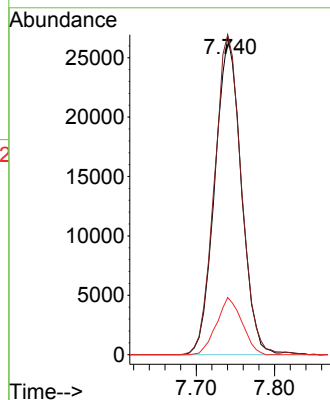
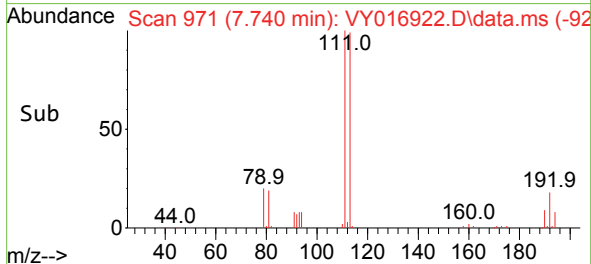


#35
Dibromofluoromethane
Concen: 38.757 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

Instrument :
MSVOA_Y
ClientSampleId :

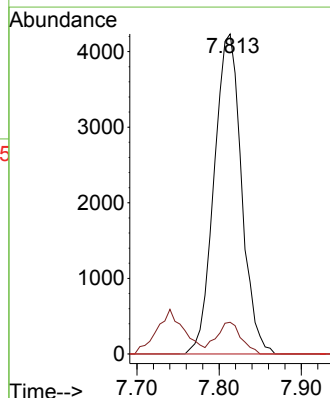
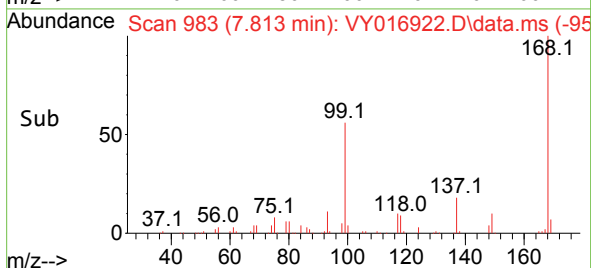
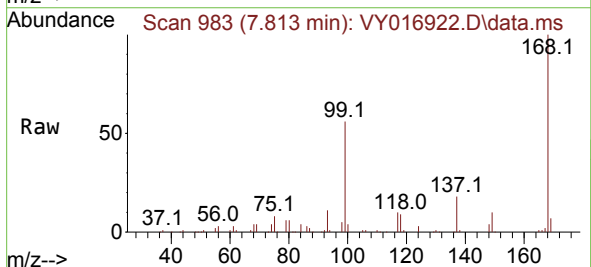


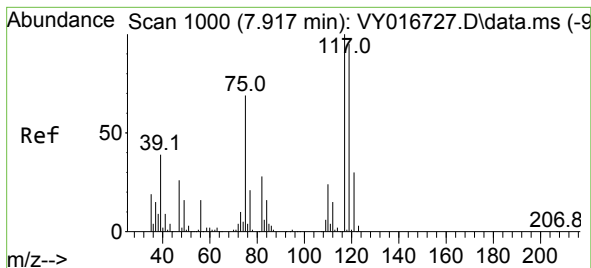
Tgt Ion:113 Resp: 62452
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.6
192 17.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.172 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

Tgt Ion: 75 Resp: 9798
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.021 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.110 min

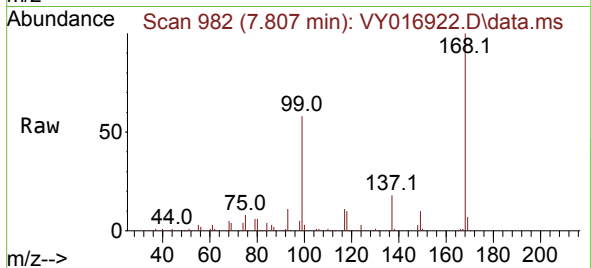
Lab File: VY016922.D

Acq: 05 Jan 2024 15:02

Instrument :

MSVOA_Y

ClientSampleId :



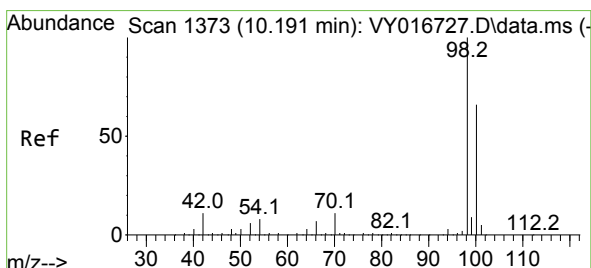
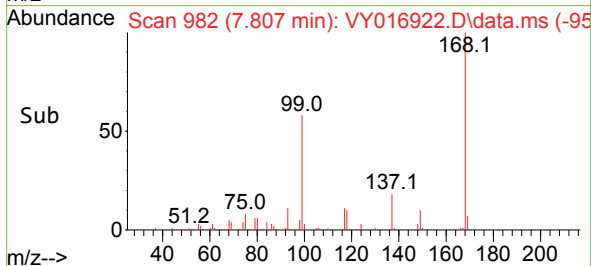
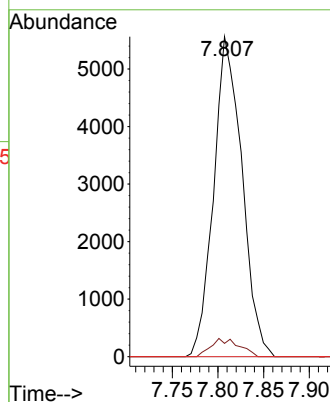
Tgt Ion:117 Resp: 11980

Ion Ratio Lower Upper

117 100

119 4.2 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 41.565 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016922.D

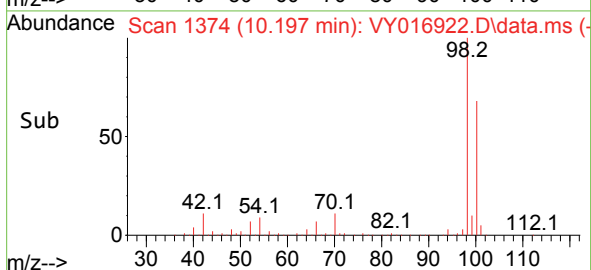
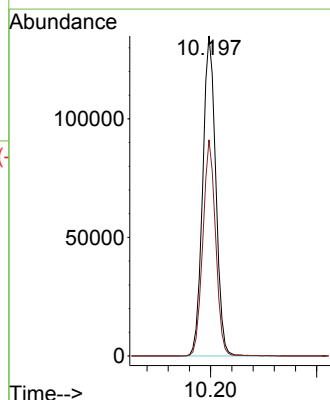
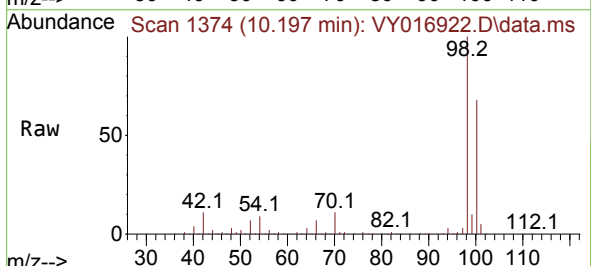
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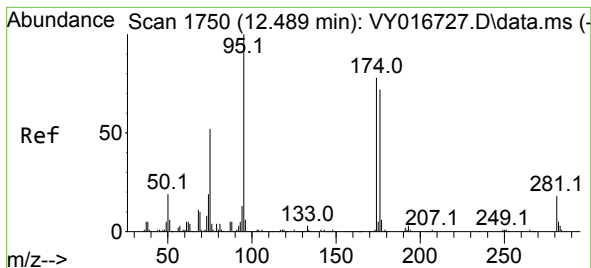
Tgt Ion: 98 Resp: 230640

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5

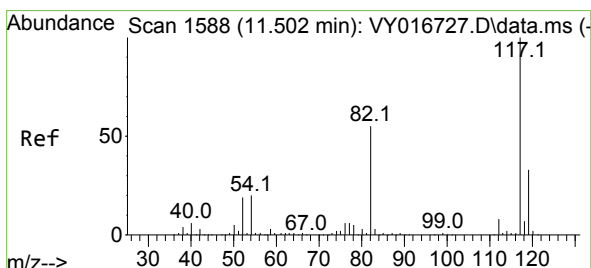
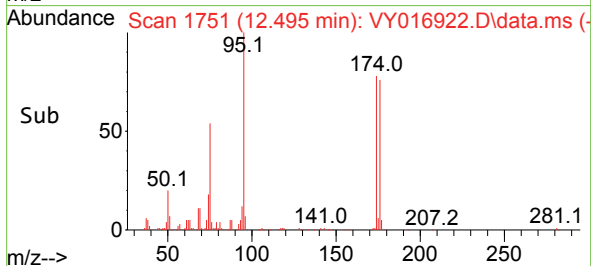
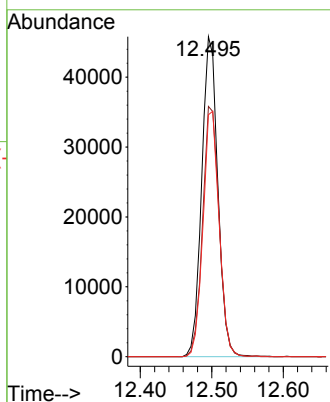
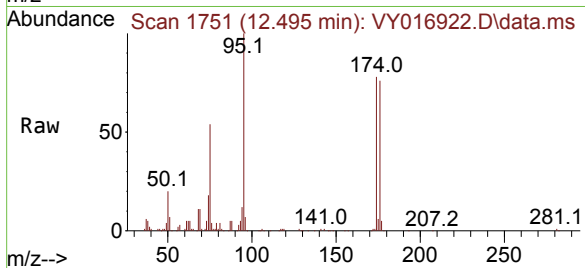




#62
4-Bromofluorobenzene
Concen: 38.327 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

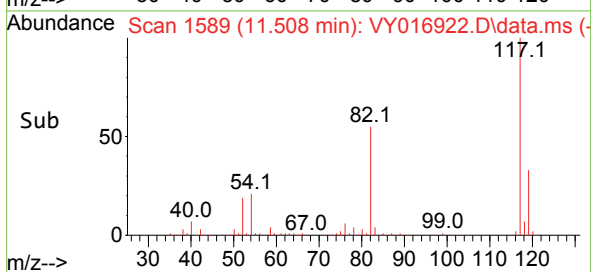
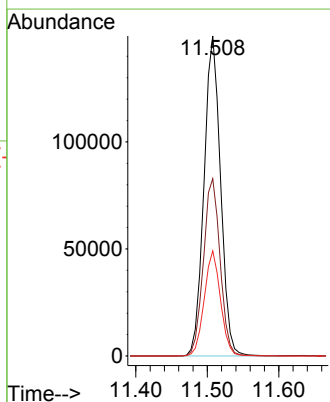
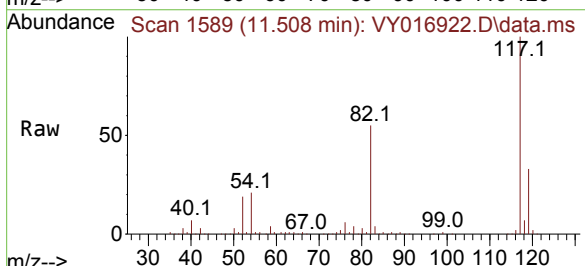
Instrument :
MSVOA_Y
ClientSampleId :

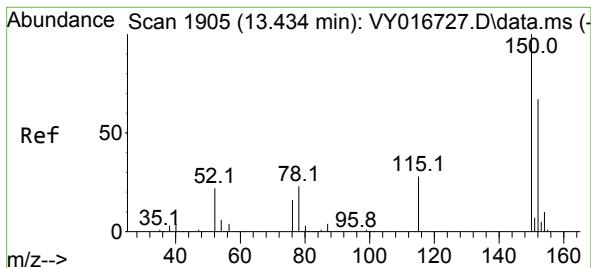
Tgt Ion: 95 Resp: 71752
Ion Ratio Lower Upper
95 100
174 79.8 0.0 160.0
176 76.9 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016922.D
Acq: 05 Jan 2024 15:02

Tgt Ion: 117 Resp: 240906
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.9 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016922.D

Acq: 05 Jan 2024 15:02

Instrument :

MSVOA_Y

ClientSampleId :

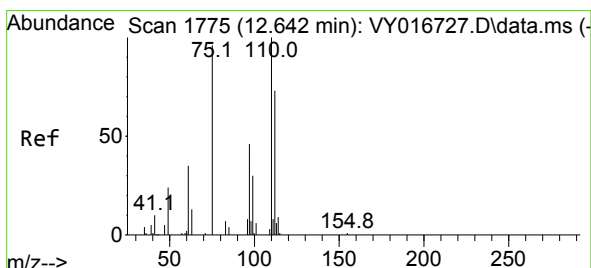
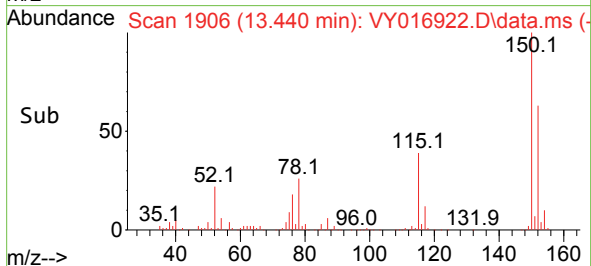
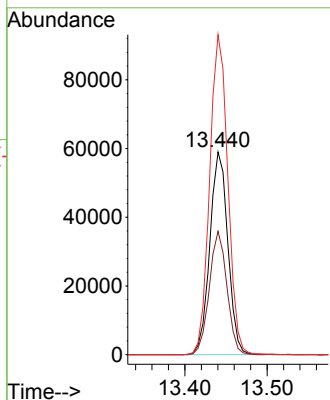
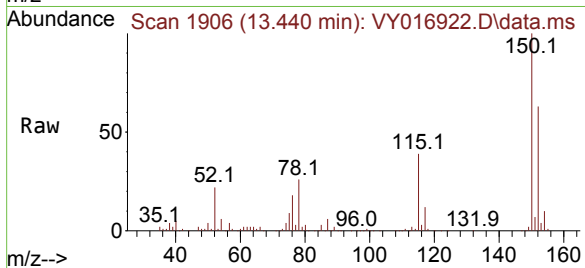
Tgt Ion:152 Resp: 89833

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 158.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 38.333 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016922.D

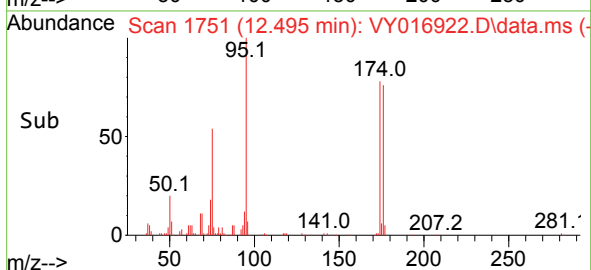
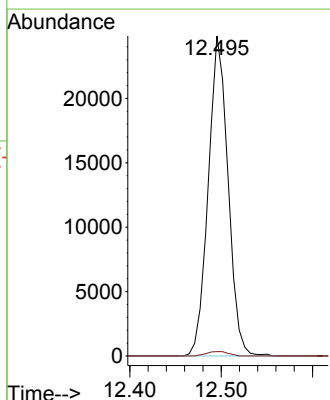
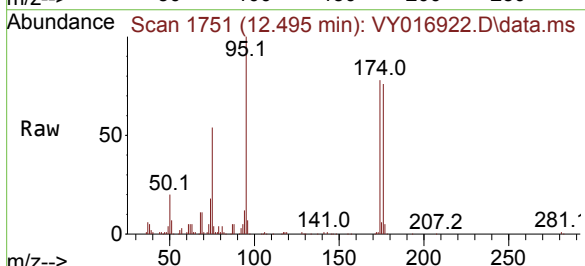
Acq: 05 Jan 2024 15:02

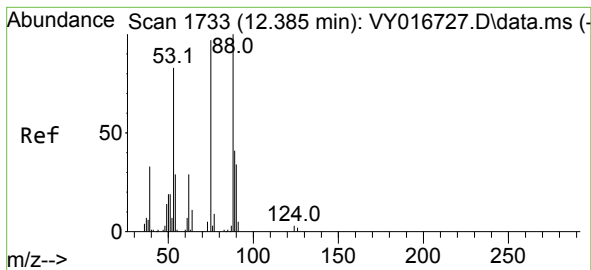
Tgt Ion: 75 Resp: 37369

Ion Ratio Lower Upper

75 100

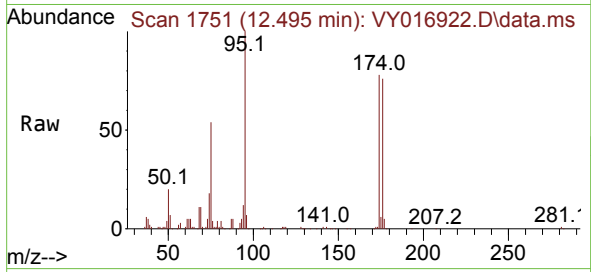
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.045 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016922.D
 Acq: 05 Jan 2024 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 37369
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

