

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013665.D
 Acq On : 09 May 2023 14:01
 Operator : KP/MD
 Sample : 02681-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207

Quant Time: May 10 05:36:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

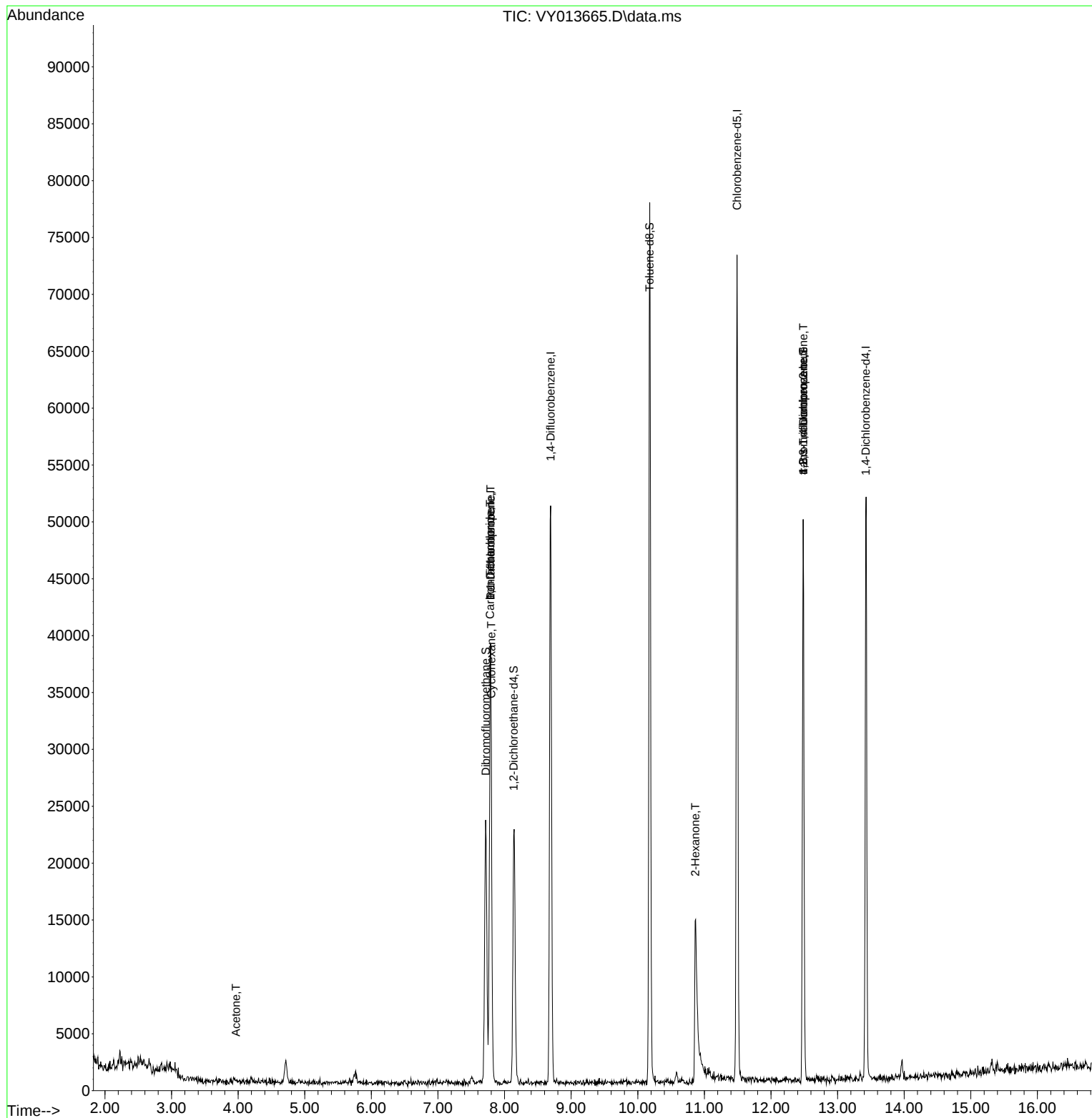
Internal Standards						
1) Pentafluorobenzene	7.789	168	29928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	44269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	39632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	14053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	18459	56.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.520%
35) Dibromofluoromethane	7.716	113	15533	55.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.580%
50) Toluene-d8	10.179	98	51945	52.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.880%
62) 4-Bromofluorobenzene	12.483	95	13215	39.575	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.160%
Target Compounds						
					Qvalue	
16) Acetone	3.967	43	540	4.180	ug/l	97
20) Methylene Chloride	4.729	84	1344	Below Cal	#	76
31) Cyclohexane	7.801	56	759	1.292	ug/l #	55
36) 1,1-Dichloropropene	7.789	75	2467	5.339	ug/l #	50
38) Carbon Tetrachloride	7.783	117	3338	6.892	ug/l #	14
59) 2-Hexanone	10.862	43	4749	19.974	ug/l #	31
76) 1,2,3-Trichloropropane	12.483	75	7275	38.386	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7275	78.521	ug/l #	12

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

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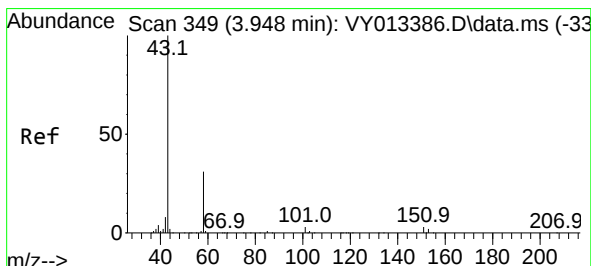
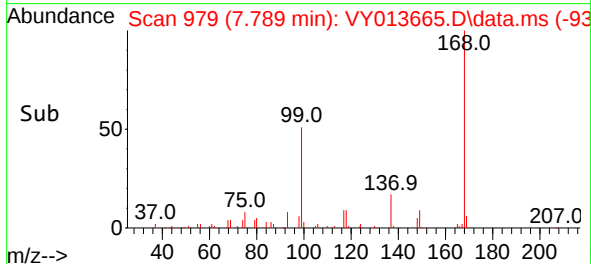
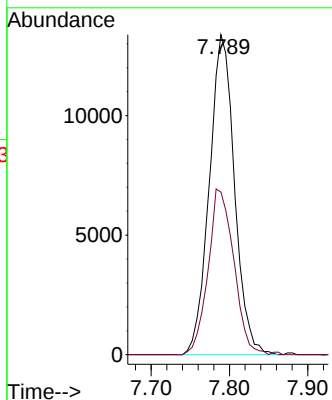
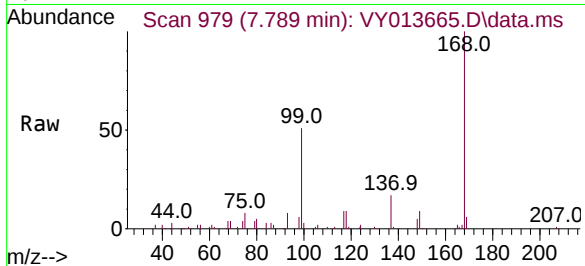




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

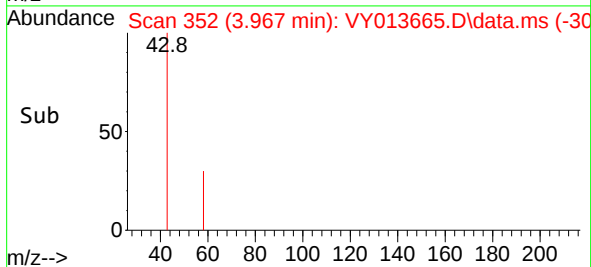
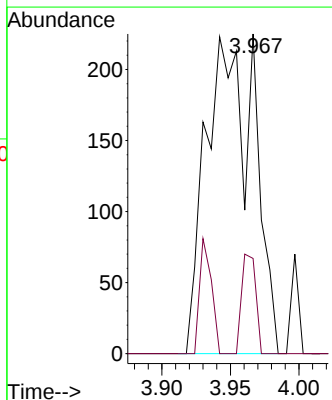
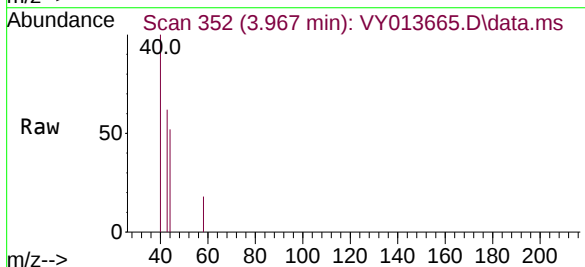
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

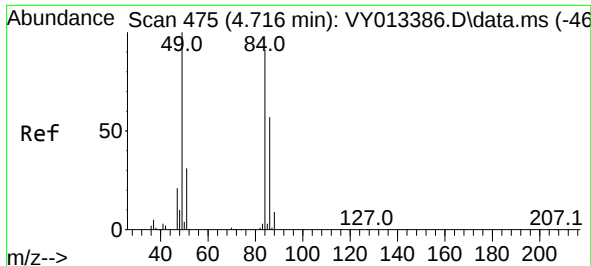
Tgt Ion:168 Resp: 29928
Ion Ratio Lower Upper
168 100
99 50.8 41.8 62.6



#16
Acetone
Concen: 4.180 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.019 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

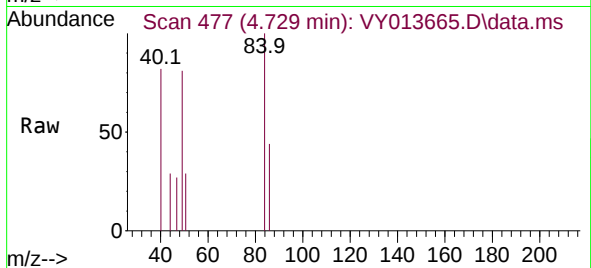
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 29.8 25.4 38.0



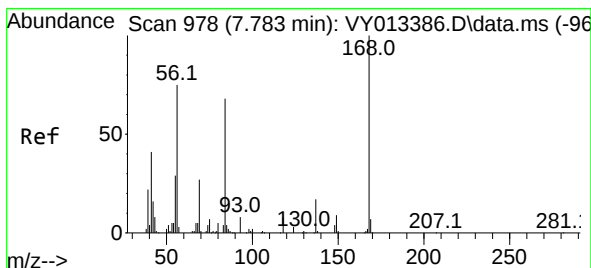
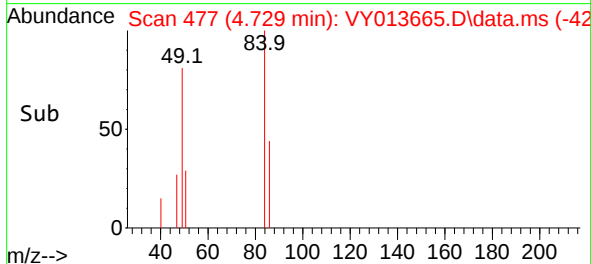
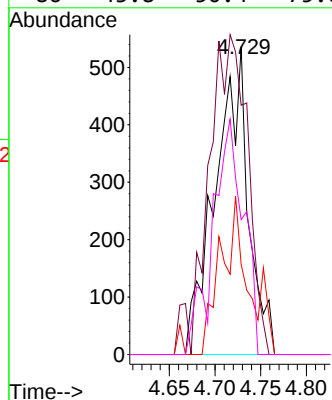


#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

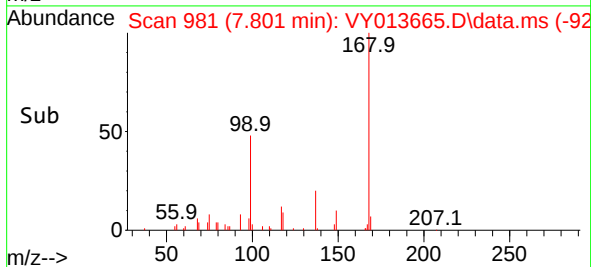
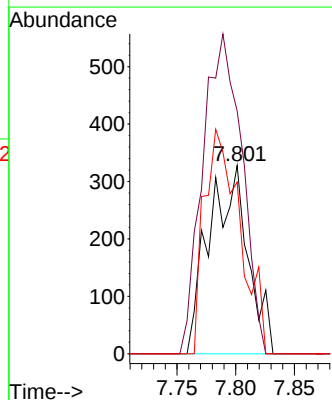
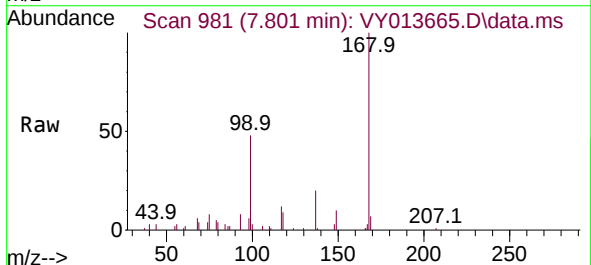


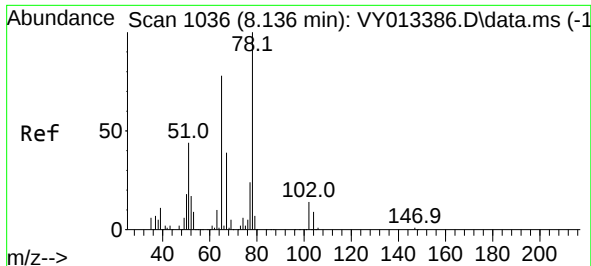
Tgt Ion:	84	Resp:	1344
Ion	Ratio	Lower	Upper
84	100		
49	81.0	88.0	132.0#
51	29.3	27.4	41.0
86	43.8	50.4	75.6#



#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion:	56	Resp:	759
Ion	Ratio	Lower	Upper
56	100		
69	129.0	29.2	43.8#
84	91.2	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 56.264 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY013665.D

Acq: 09 May 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

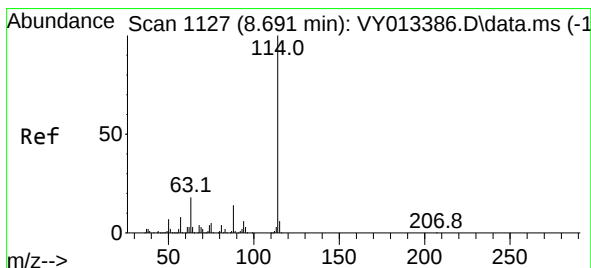
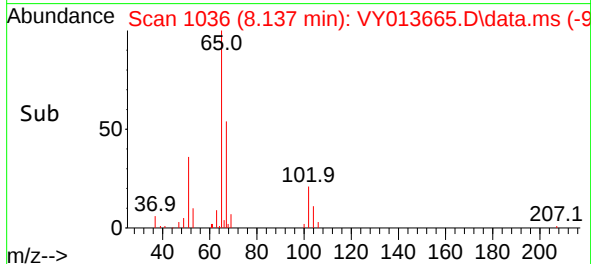
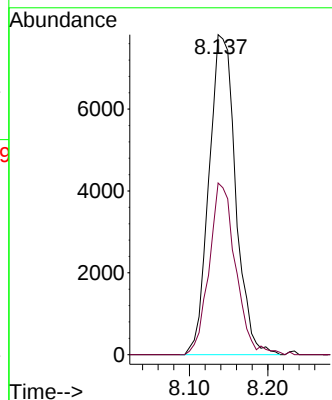
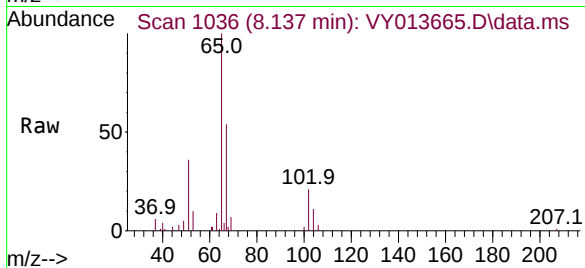
VNJ-207

Tgt Ion: 65 Resp: 18459

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013665.D

Acq: 09 May 2023 14:01

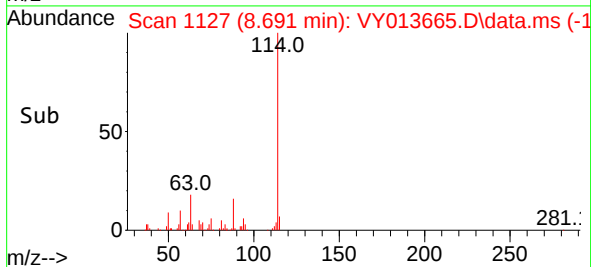
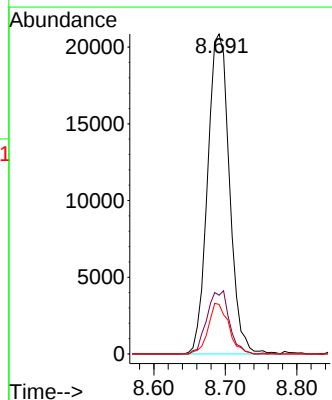
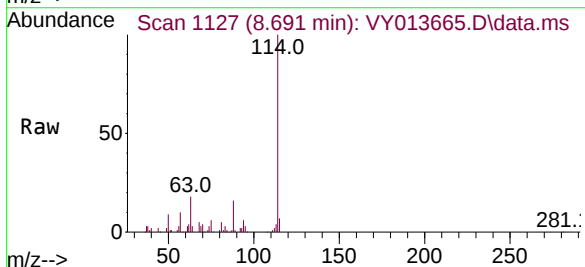
Tgt Ion: 114 Resp: 44269

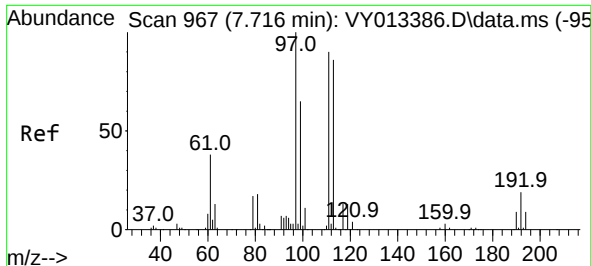
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

88 15.5 0.0 28.8

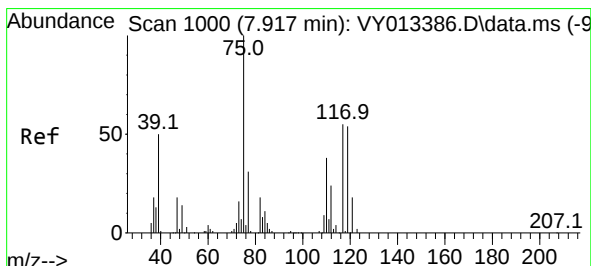
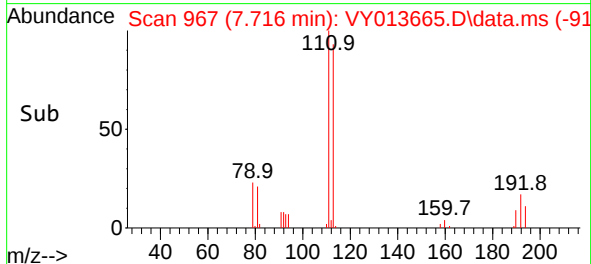
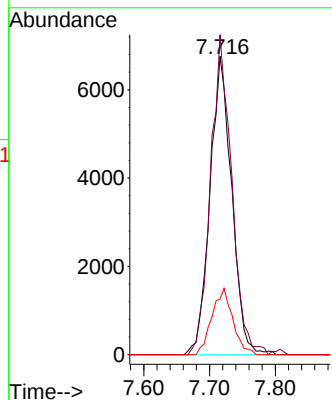
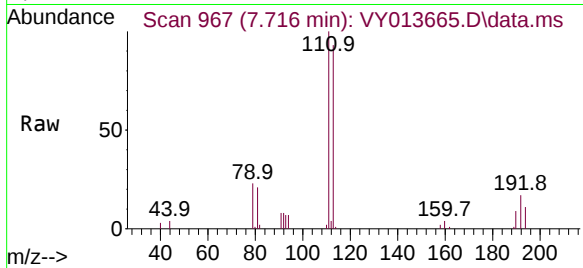




#35
Dibromofluoromethane
Concen: 55.787 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

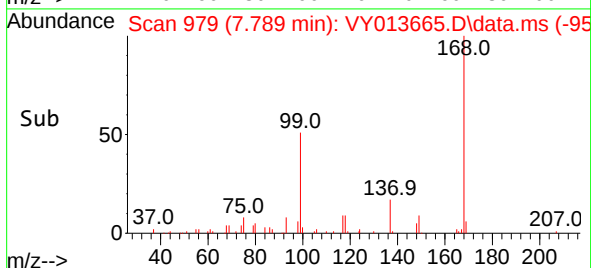
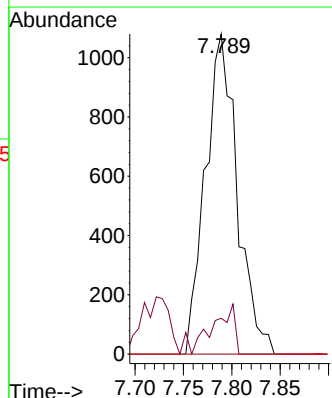
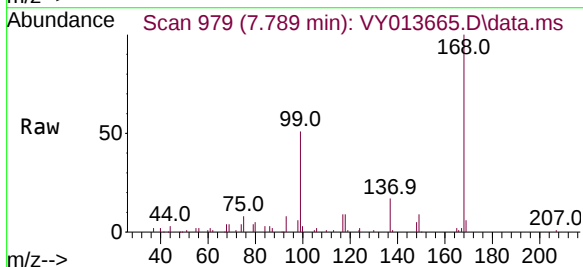
Instrument :
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ClientSampleId :
VNJ-207

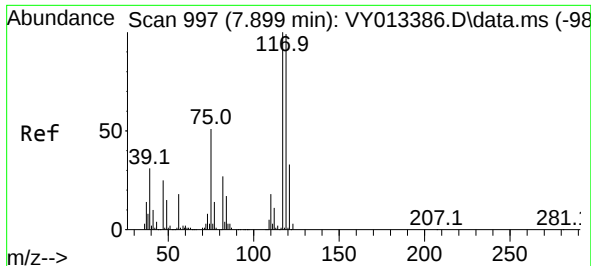
Tgt Ion:113 Resp: 15533
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 21.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.339 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion: 75 Resp: 2467
Ion Ratio Lower Upper
75 100
110 10.5 18.7 56.1#
77 0.0 24.6 37.0#

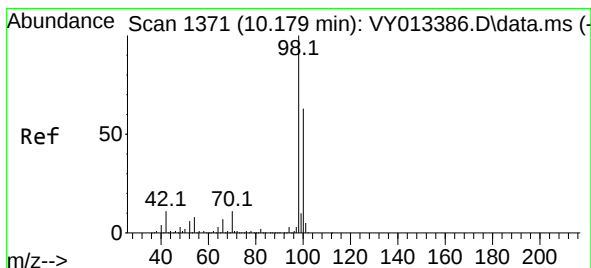
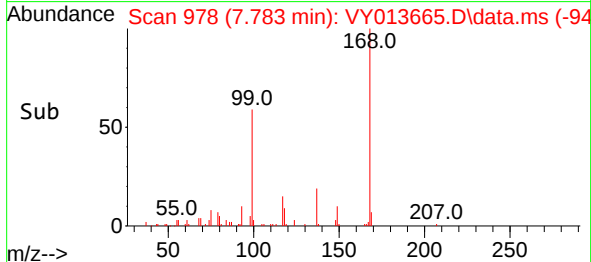
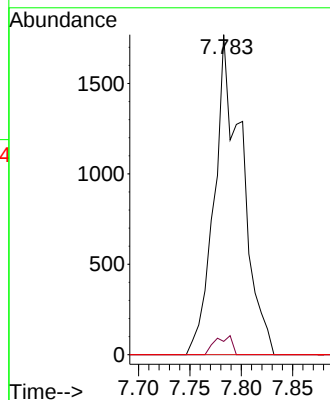
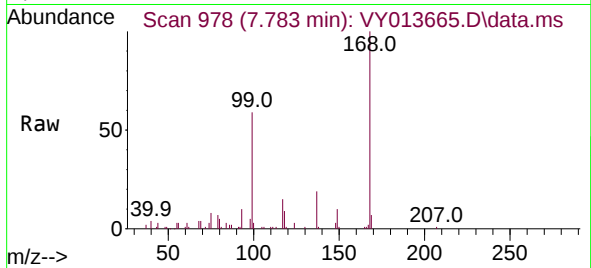




#38
Carbon Tetrachloride
Concen: 6.892 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

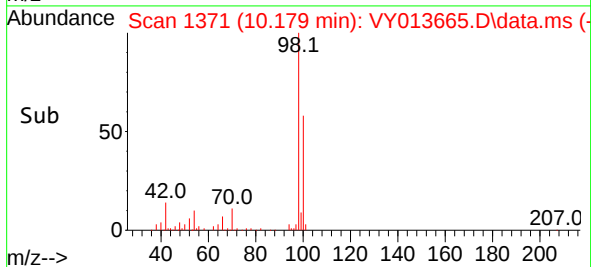
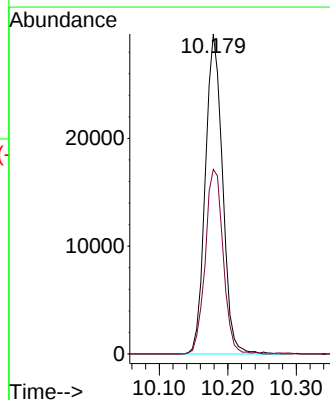
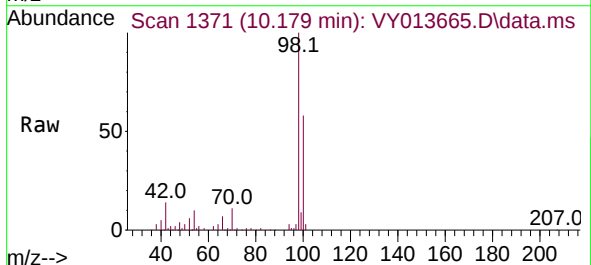
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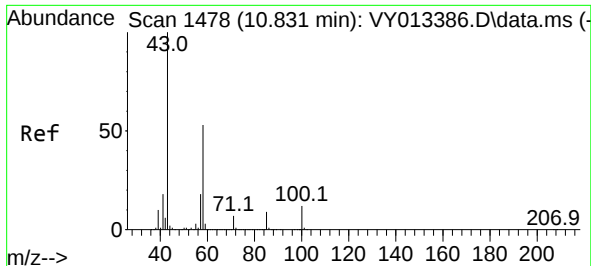
Tgt Ion:117 Resp: 3338
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 52.443 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion: 98 Resp: 51945
Ion Ratio Lower Upper
98 100
100 59.9 50.5 75.7

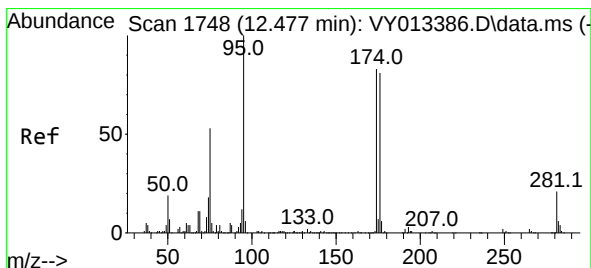
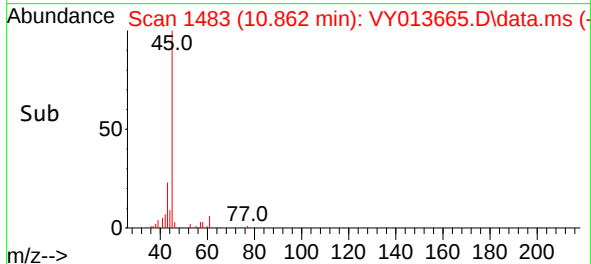
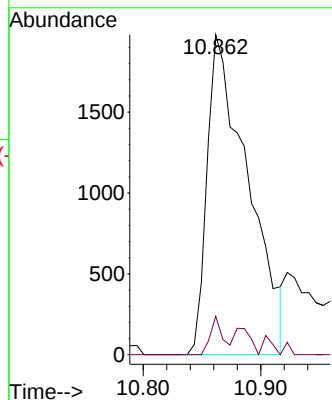
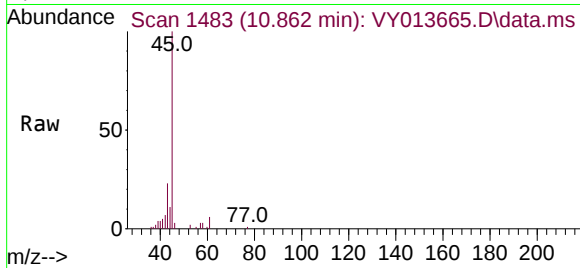




#59
2-Hexanone
Concen: 19.974 ug/l
RT: 10.862 min Scan# 1478
Delta R.T. 0.031 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

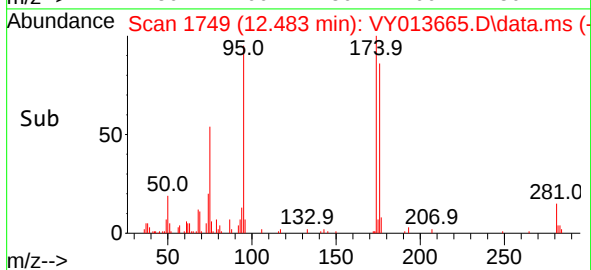
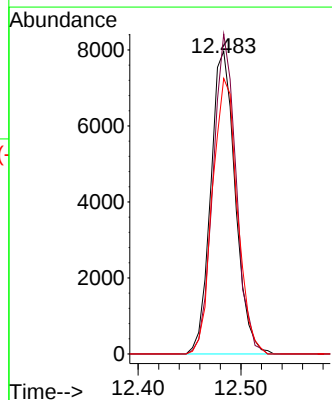
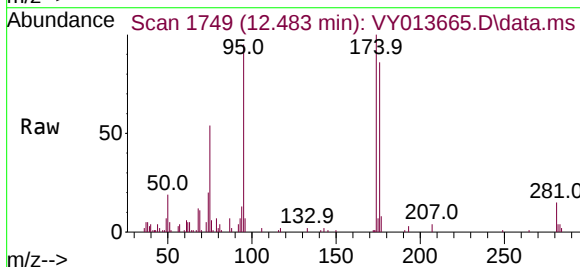
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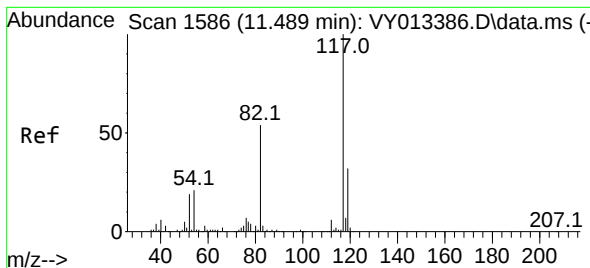
Tgt Ion: 43 Resp: 4749
Ion Ratio Lower Upper
43 100
58 3.7 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 39.575 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion: 95 Resp: 13215
Ion Ratio Lower Upper
95 100
174 99.0 0.0 182.0
176 92.1 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013665.D

Acq: 09 May 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

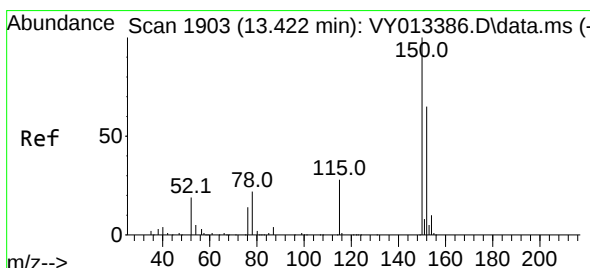
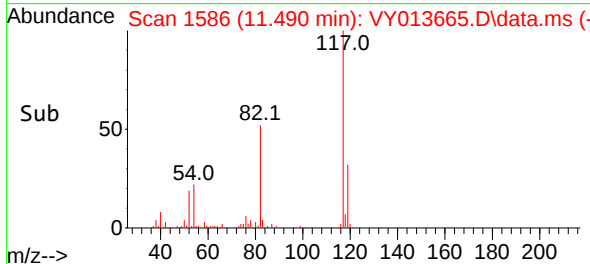
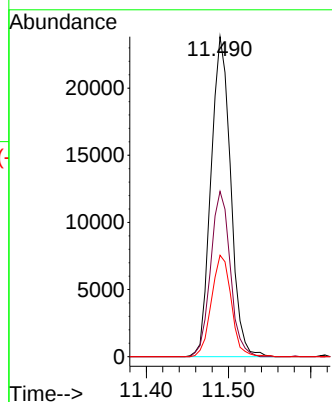
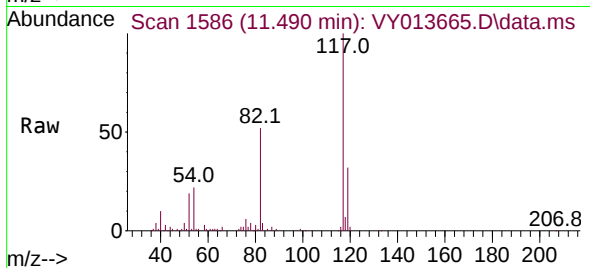
Tgt Ion:117 Resp: 39632

Ion Ratio Lower Upper

117 100

82 51.7 43.0 64.6

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013665.D

Acq: 09 May 2023 14:01

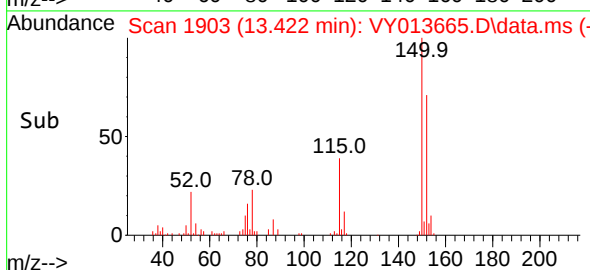
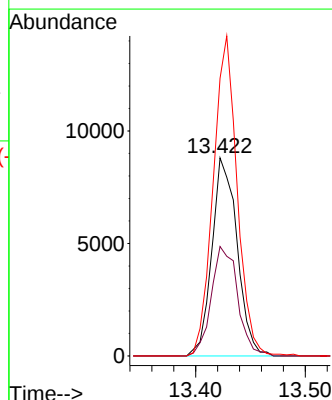
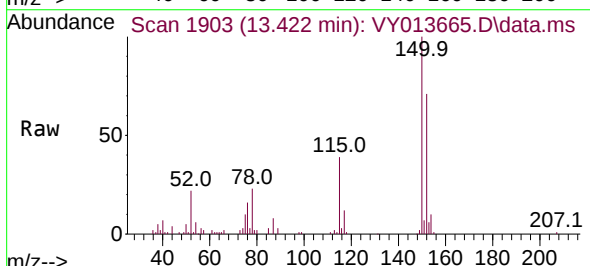
Tgt Ion:152 Resp: 14053

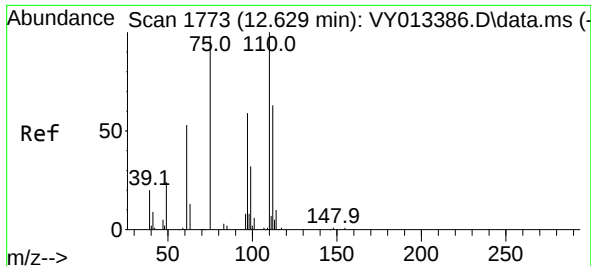
Ion Ratio Lower Upper

152 100

115 57.8 28.1 84.2

150 153.7 0.0 352.0

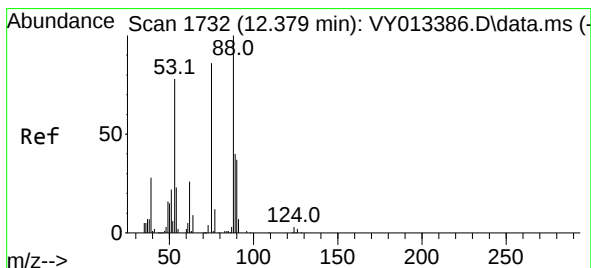
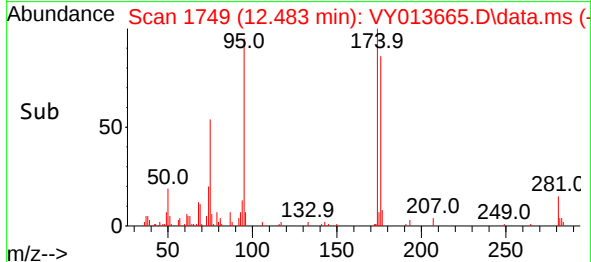
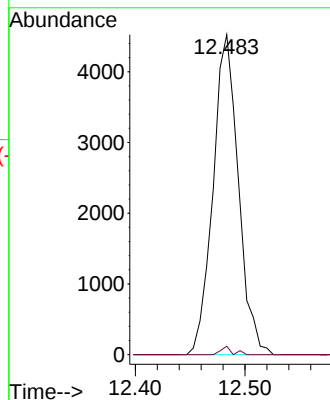
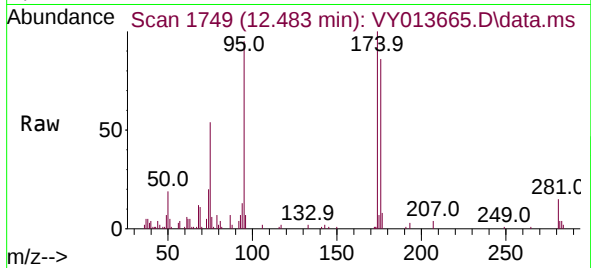




#76
1,2,3-Trichloropropane
Concen: 38.386 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

Tgt Ion: 75 Resp: 7275
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.521 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013665.D
Acq: 09 May 2023 14:01

Tgt Ion: 75 Resp: 7275
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

