

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022427.D
 Acq On : 27 May 2025 11:20
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 28 15:25:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

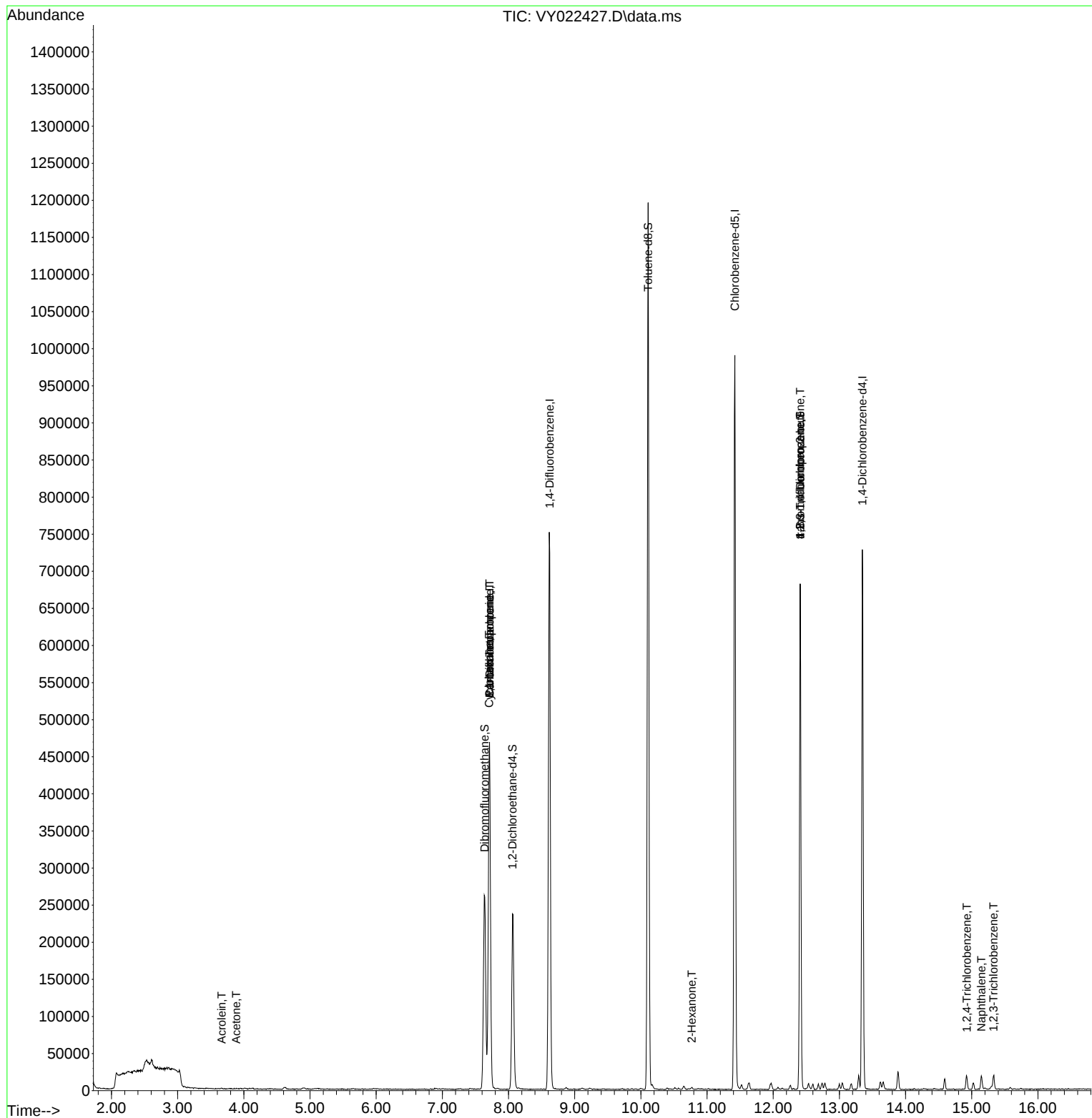
Internal Standards						
1) Pentafluorobenzene	7.713	168	355558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	628065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	485021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178857	47.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.520%
35) Dibromofluoromethane	7.640	113	184376	50.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.260%
50) Toluene-d8	10.109	98	742004	49.486	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.408	95	179853	39.655	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.300%
Target Compounds						
					Qvalue	
13) Acrolein	3.665	56	420	1.062	ug/l #	7
16) Acetone	3.885	43	1172	1.904	ug/l	92
31) Cyclohexane	7.707	56	10001	1.388	ug/l #	32
36) 1,1-Dichloropropene	7.713	75	30322	5.195	ug/l #	51
38) Carbon Tetrachloride	7.713	117	35584	5.853	ug/l #	16
59) 2-Hexanone	10.768	43	1788	1.020	ug/l	95
76) 1,2,3-Trichloropropane	12.408	75	106485	62.853	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	106485	142.140	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.925	180	5055	1.894	ug/l	98
95) Naphthalene	15.145	128	13778	2.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	5420	2.476	ug/l	93

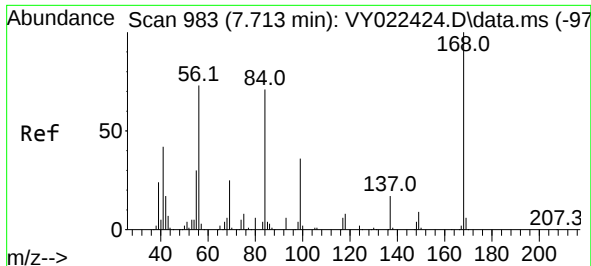
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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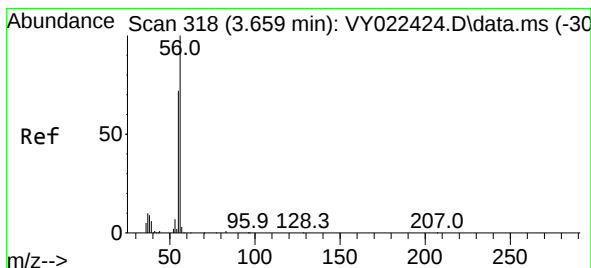
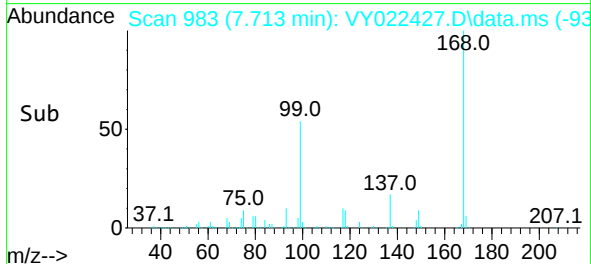
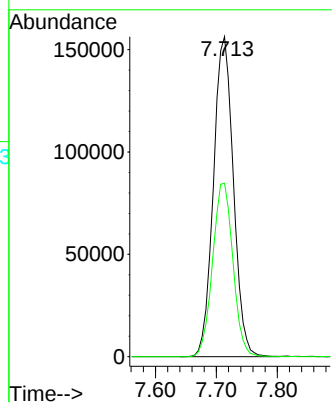
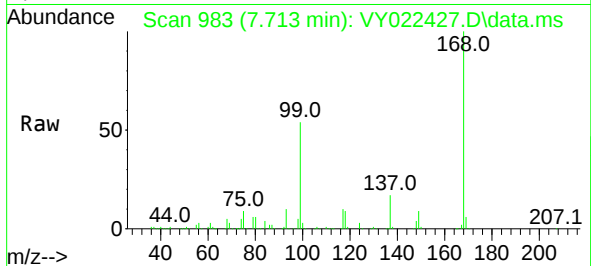




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

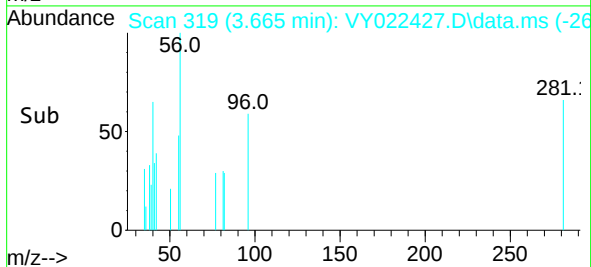
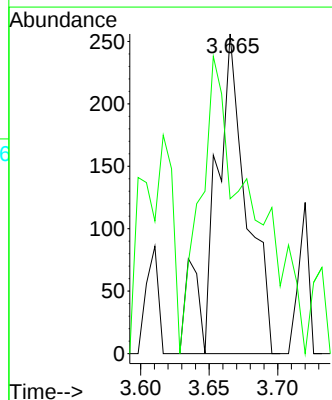
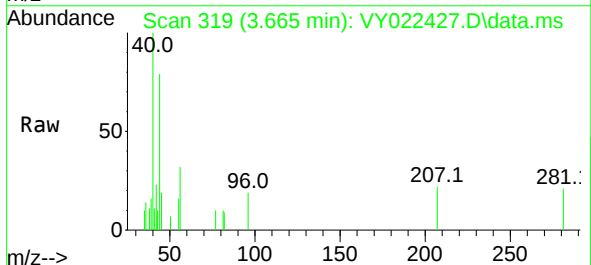
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

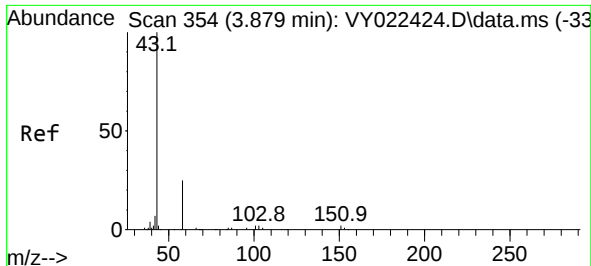
Tgt Ion:168 Resp: 355558
Ion Ratio Lower Upper
168 100
99 54.2 44.7 67.1



#13
Acrolein
Concen: 1.062 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.006 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

Tgt Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 146.9 56.5 84.7#





#16

Acetone

Concen: 1.904 ug/l

RT: 3.885 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

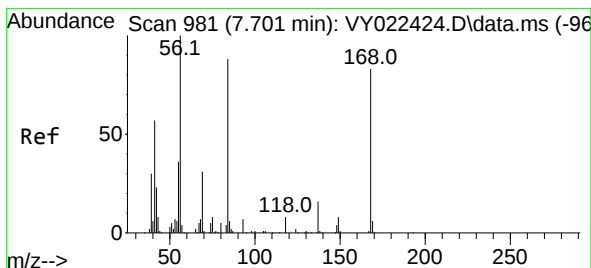
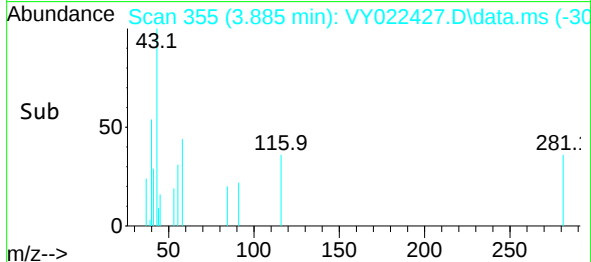
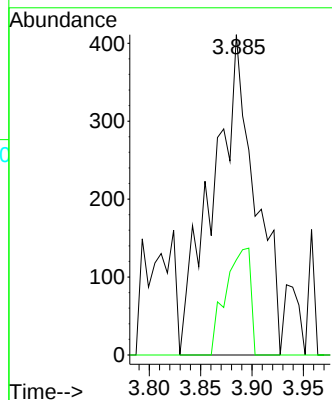
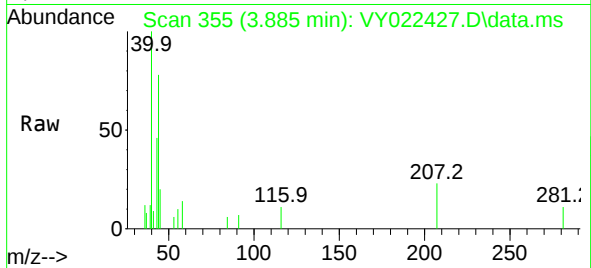
VIBLK

Tgt Ion: 43 Resp: 1172

Ion Ratio Lower Upper

43 100

58 29.7 20.6 30.8



#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

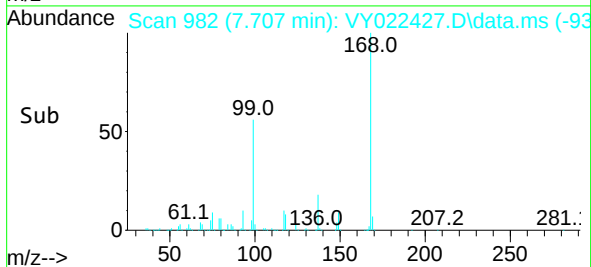
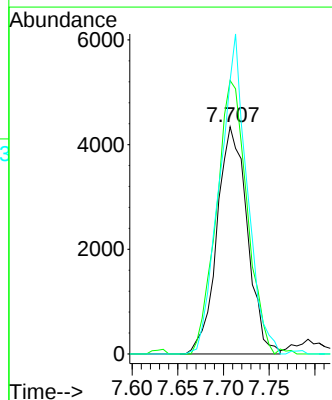
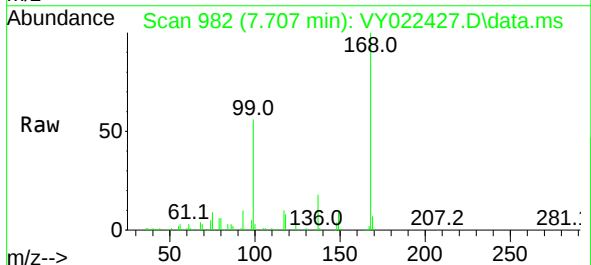
Tgt Ion: 56 Resp: 10001

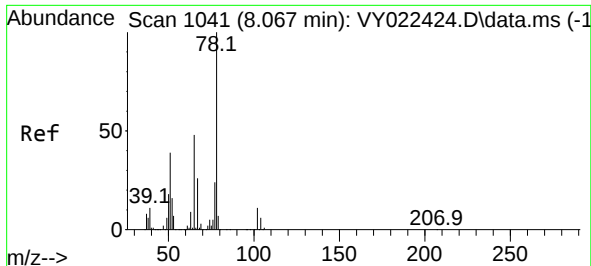
Ion Ratio Lower Upper

56 100

69 120.4 24.6 36.8#

84 120.4 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 47.757 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

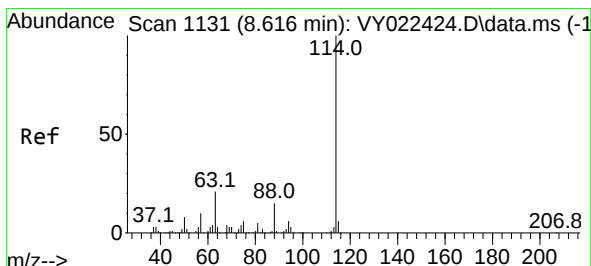
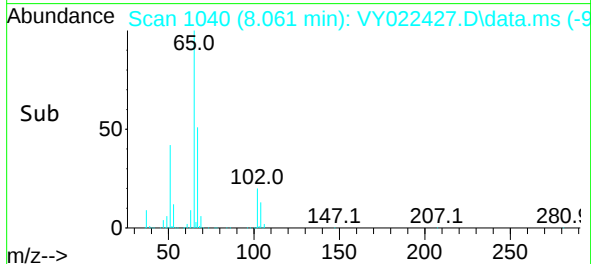
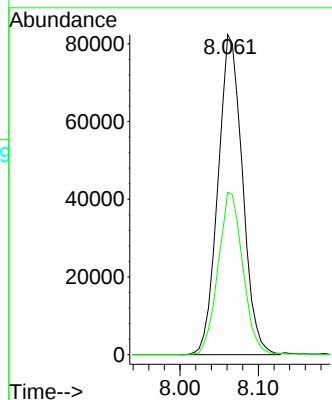
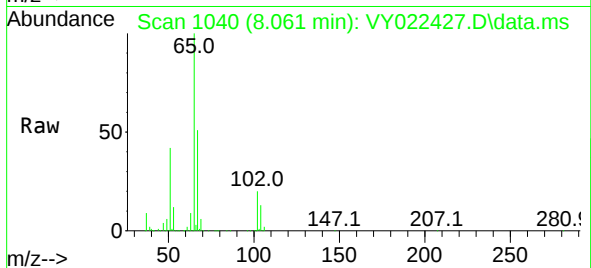
VIBLK

Tgt Ion: 65 Resp: 178857

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

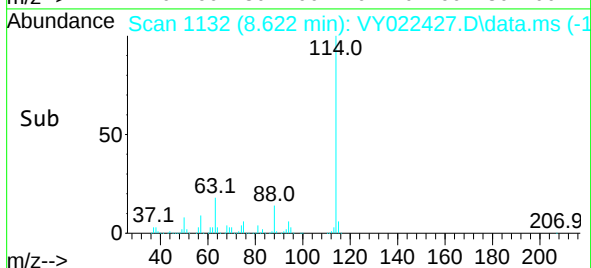
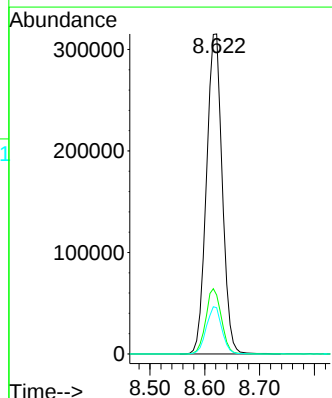
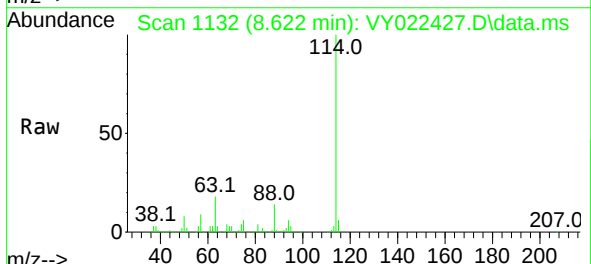
Tgt Ion: 114 Resp: 628065

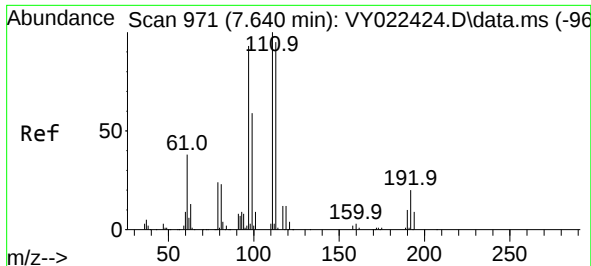
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.6

88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.128 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

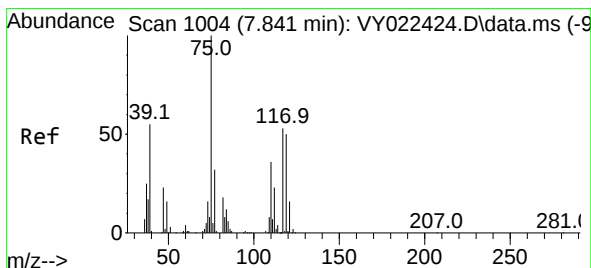
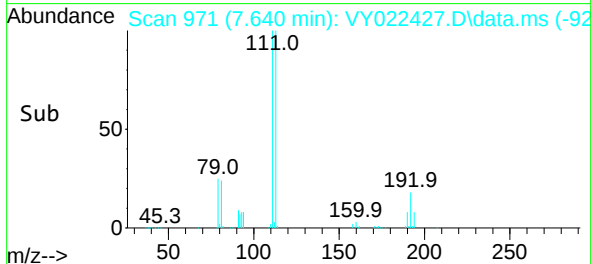
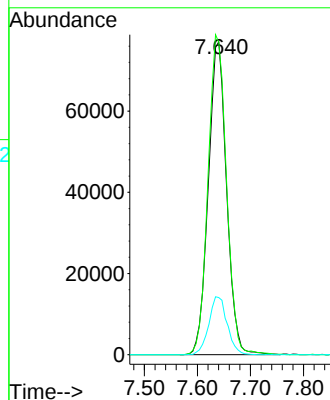
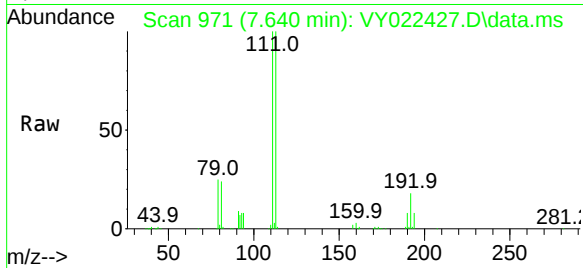
Tgt Ion:113 Resp: 184376

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 18.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

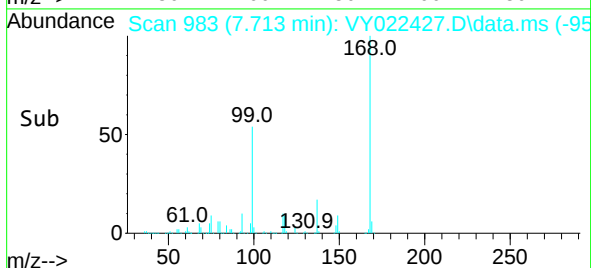
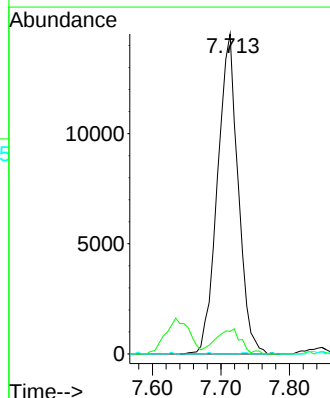
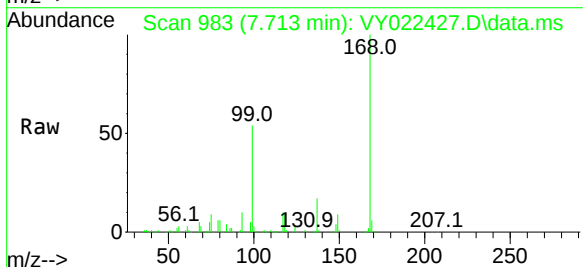
Tgt Ion: 75 Resp: 30322

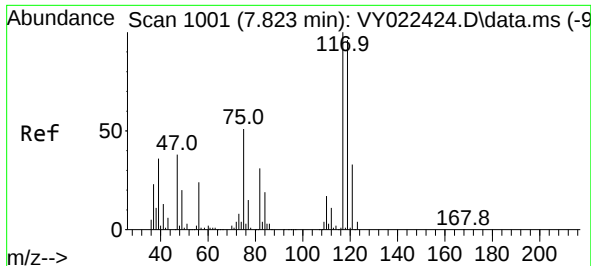
Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 25.1 37.7#

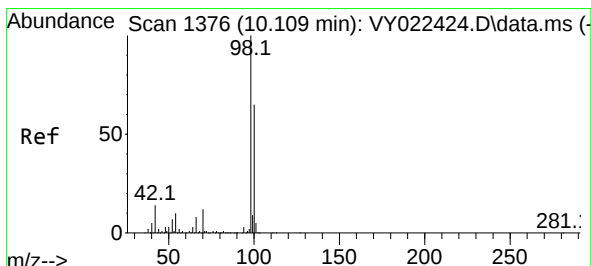
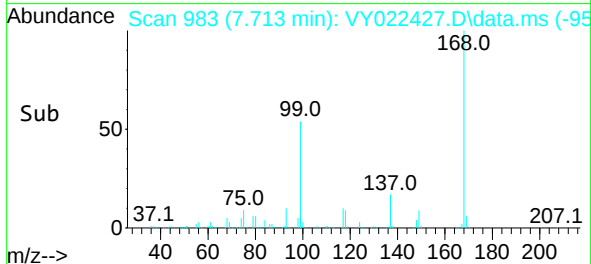
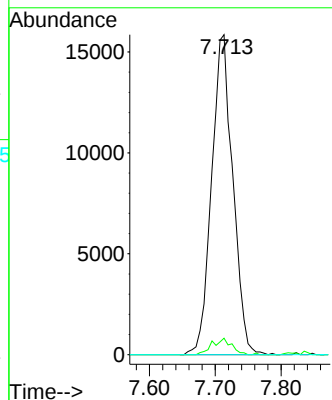
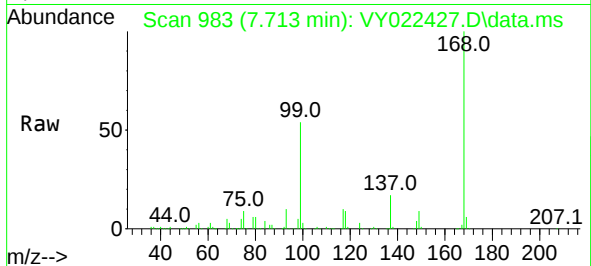




#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

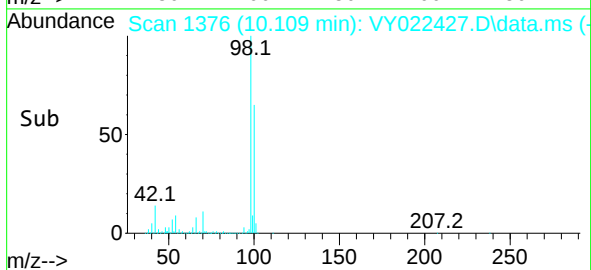
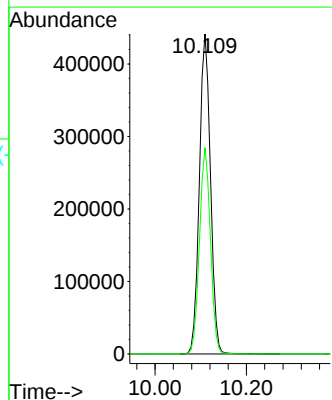
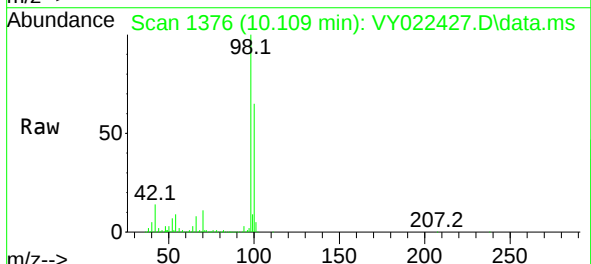
Instrument :
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VIBLK

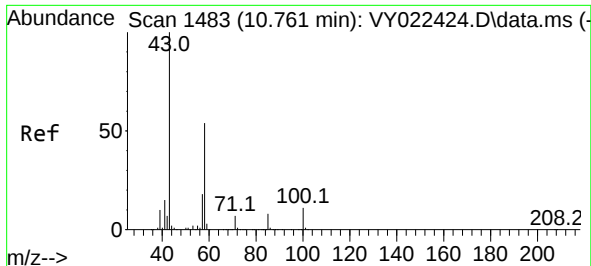
Tgt Ion:117 Resp: 35584
Ion Ratio Lower Upper
117 100
119 5.2 76.3 114.5#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 49.486 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

Tgt Ion: 98 Resp: 742004
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2

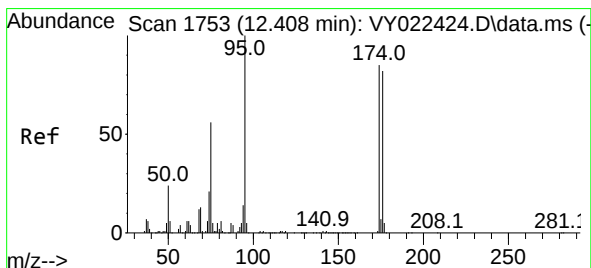
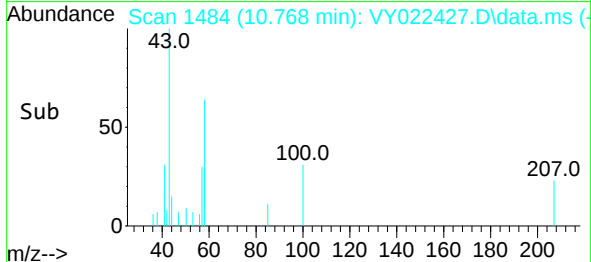
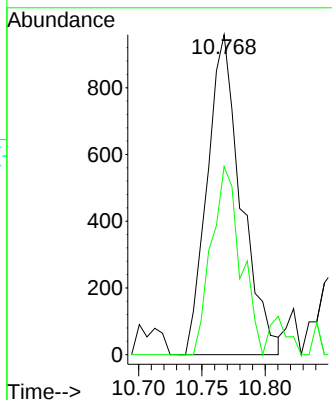
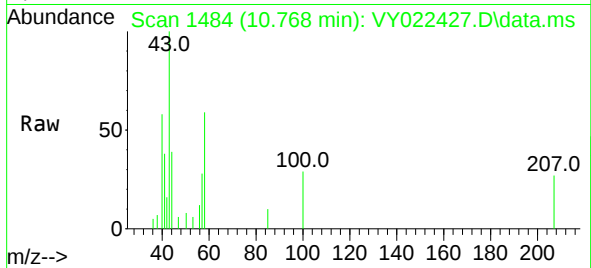




#59
2-Hexanone
Concen: 1.020 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

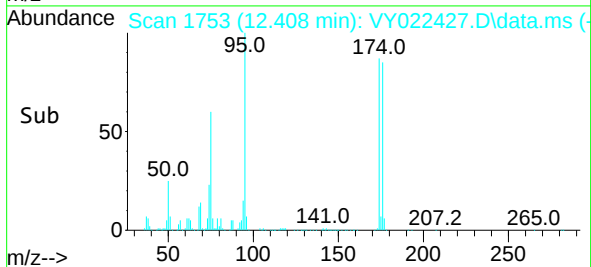
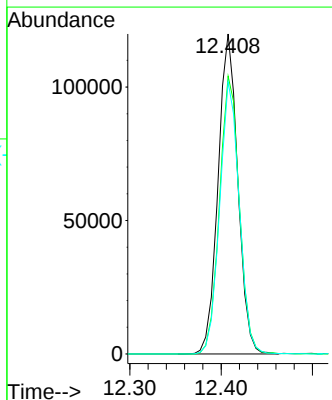
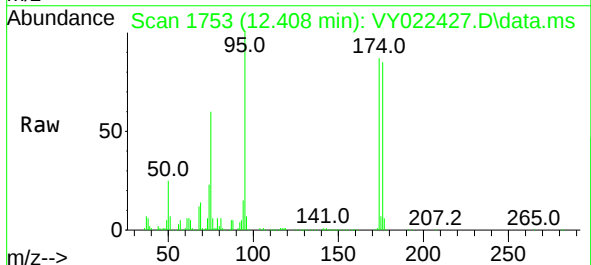
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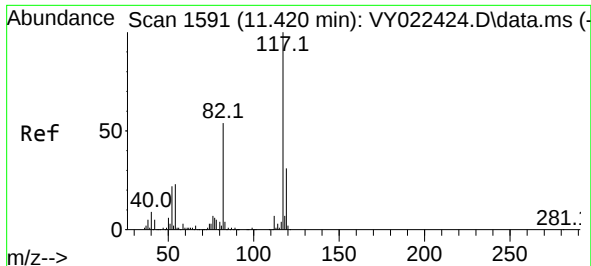
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 50.7 27.1 81.2



#62
4-Bromofluorobenzene
Concen: 39.655 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

Tgt Ion: 95 Resp: 179853
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 84.5 0.0 164.6

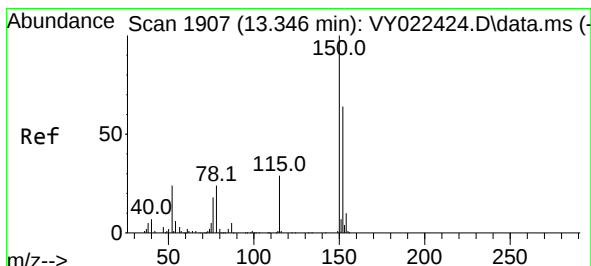
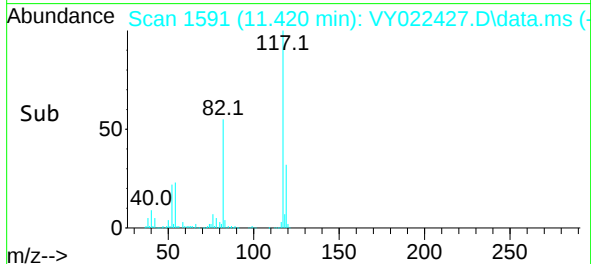
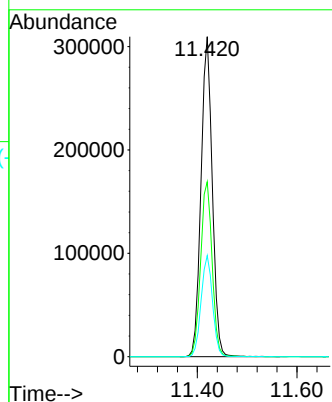
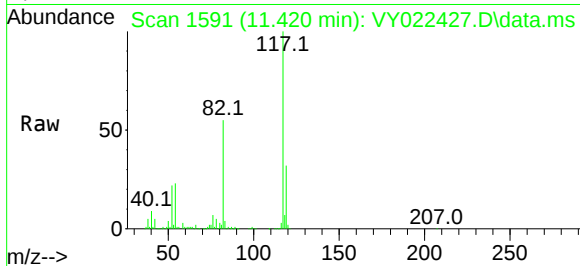




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

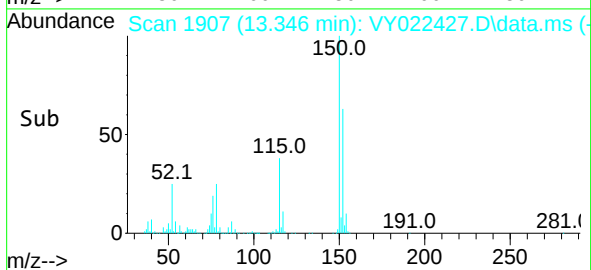
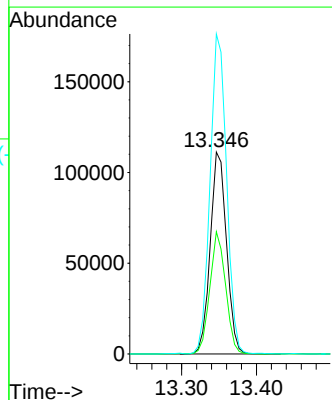
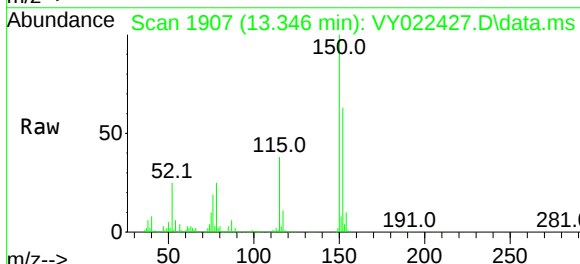
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

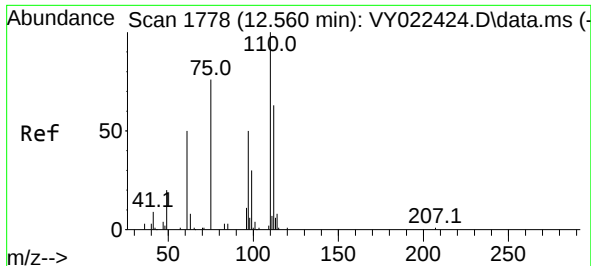
Tgt Ion:117 Resp: 485021
Ion Ratio Lower Upper
117 100
82 54.7 43.3 64.9
119 31.6 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

Tgt Ion:152 Resp: 169137
Ion Ratio Lower Upper
152 100
115 58.7 28.4 85.3
150 159.9 0.0 345.8

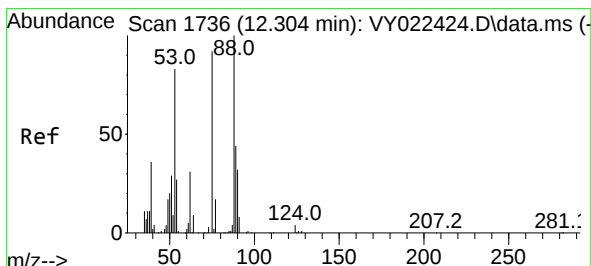
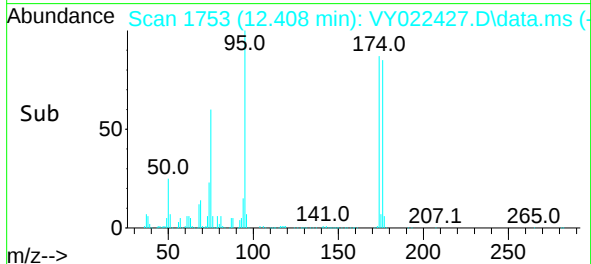
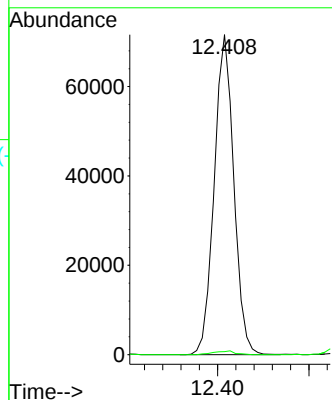
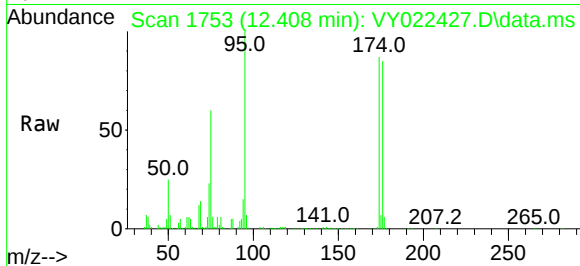




#76
1,2,3-Trichloropropane
Concen: 62.853 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

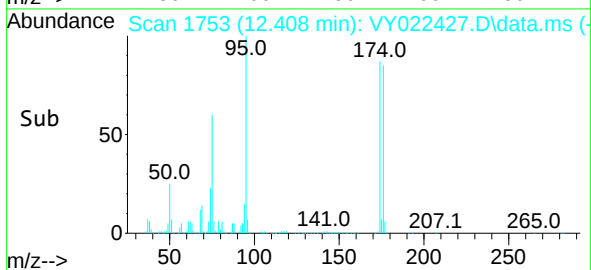
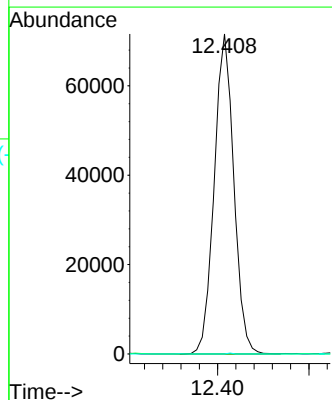
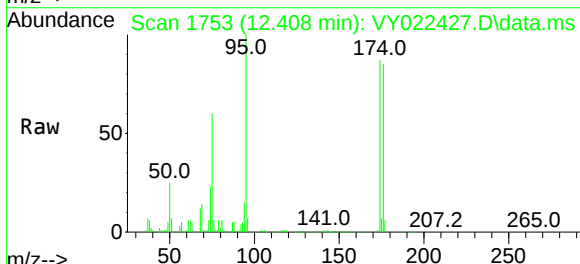
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

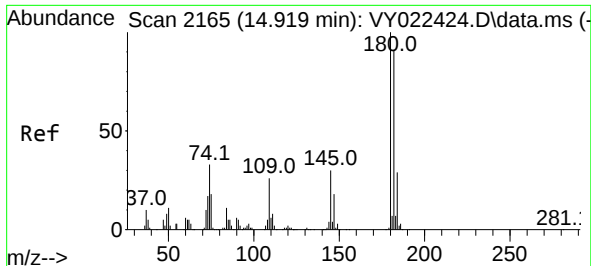
Tgt Ion: 75 Resp: 106485
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.140 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

Tgt Ion: 75 Resp: 106485
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.1 37.4 56.0#

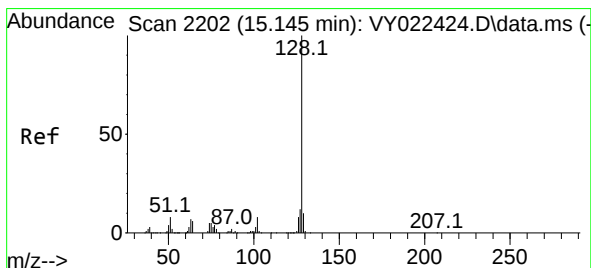
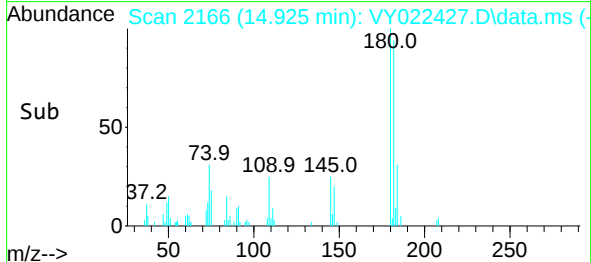
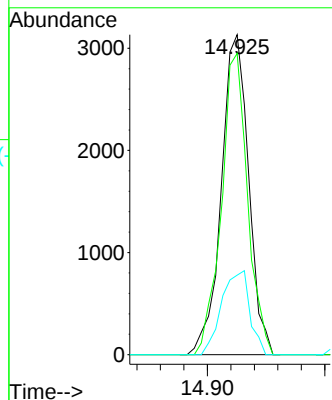
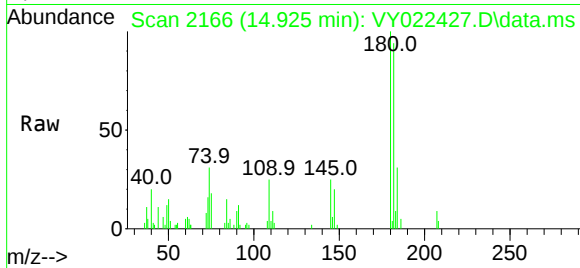




#93
1,2,4-Trichlorobenzene
Concen: 1.894 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

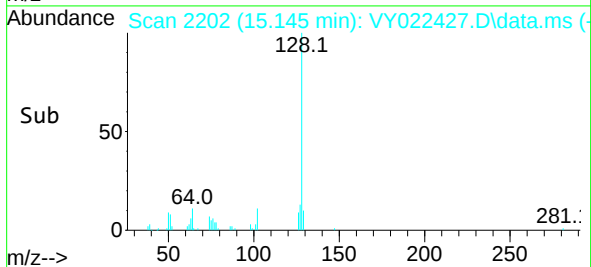
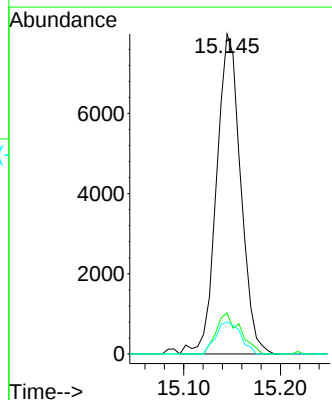
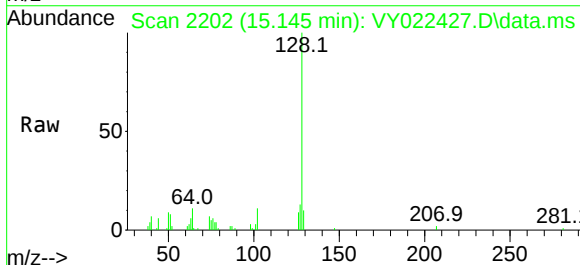
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

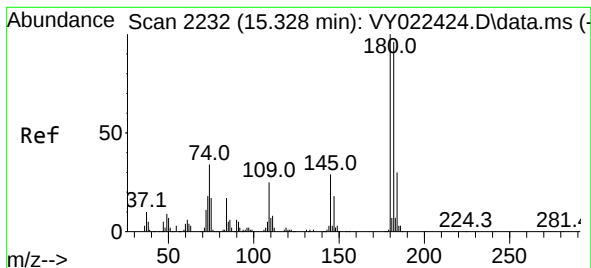
Tgt Ion:	180	Resp:	5055
Ion Ratio	Lower	Upper	
180	100		
182	90.4	46.2	138.6
145	27.0	14.2	42.8



#95
Naphthalene
Concen: 2.792 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022427.D
Acq: 27 May 2025 11:20

Tgt Ion:	128	Resp:	13778
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.3	8.5	12.7





#96

1,2,3-Trichlorobenzene

Concen: 2.476 ug/l

RT: 15.328 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY022427.D

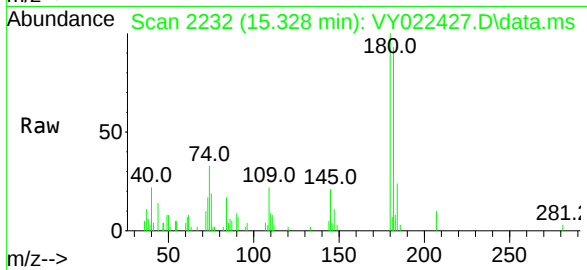
Acq: 27 May 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 5420

Ion Ratio Lower Upper

180 100

182 88.8 48.1 144.3

145 26.6 14.9 44.5

