

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022294.D
 Acq On : 16 May 2025 16:25
 Operator : SY/MD
 Sample : Q2032-03
 Misc : 7.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-29-99

Quant Time: May 17 01:35:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

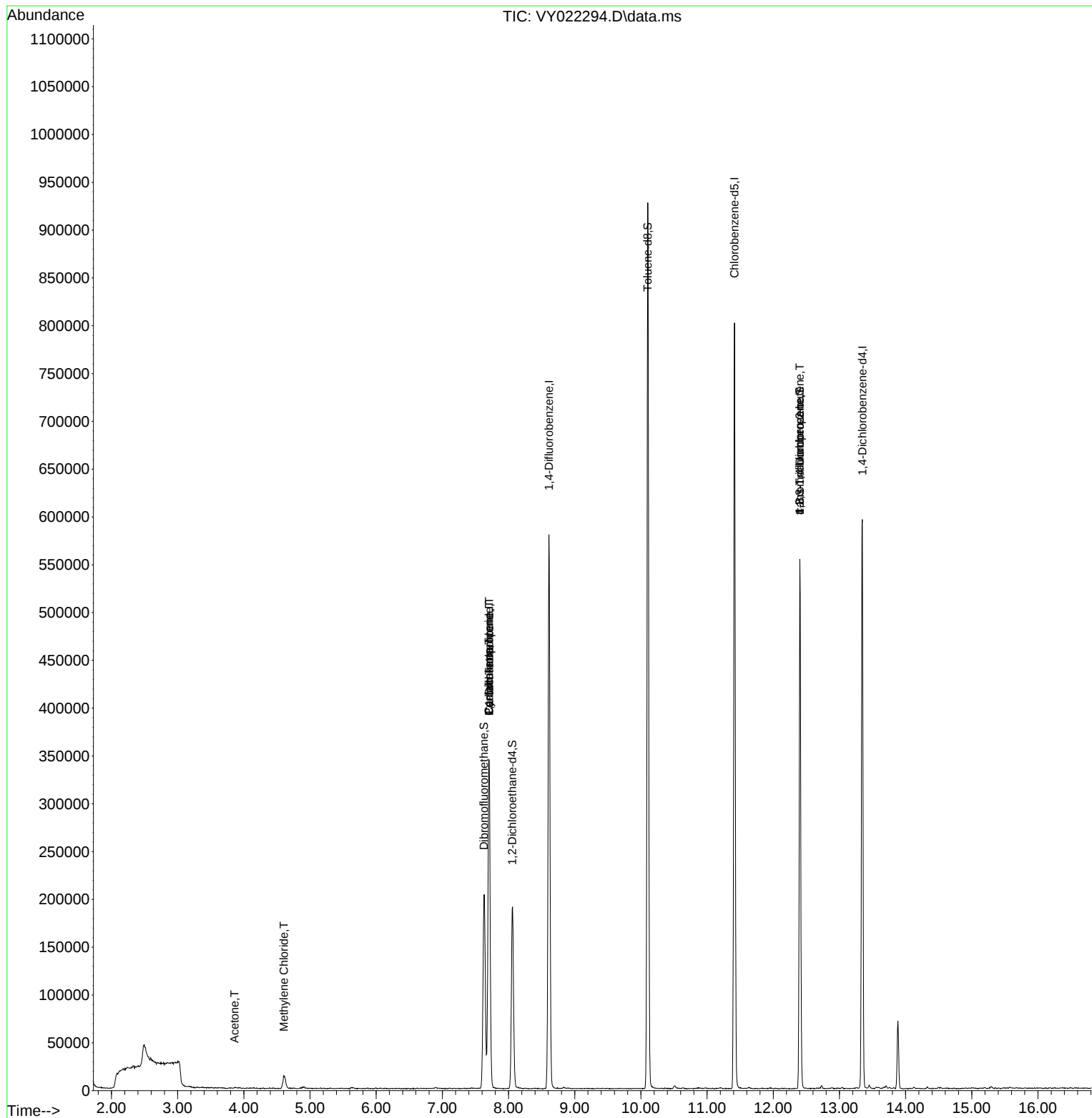
Internal Standards						
1) Pentafluorobenzene	7.707	168	265101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	475372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	145390	50.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.360%	
35) Dibromofluoromethane	7.628	113	143715	50.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.103	98	573451	49.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.402	95	150514	40.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.720%	
Target Compounds						Qvalue
16) Acetone	3.861	43	758	1.395	ug/l	94
20) Methylene Chloride	4.604	84	8682	2.473	ug/l	92
31) Cyclohexane	7.701	56	7426	1.267	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	22564	4.828	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27222	5.627	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	87005	60.639	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	87005	122.839	ug/l #	12

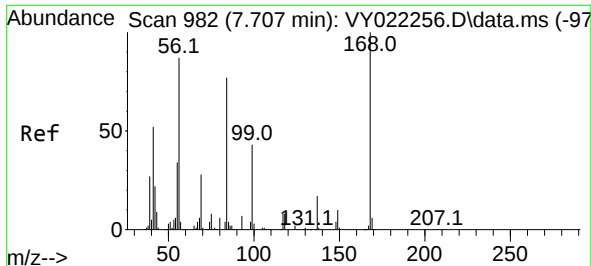
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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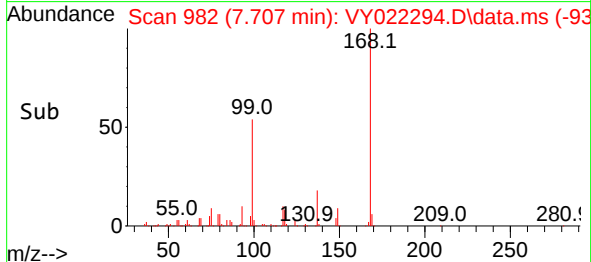
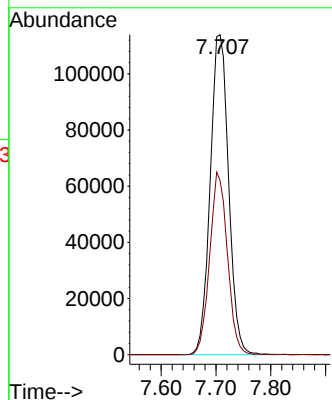
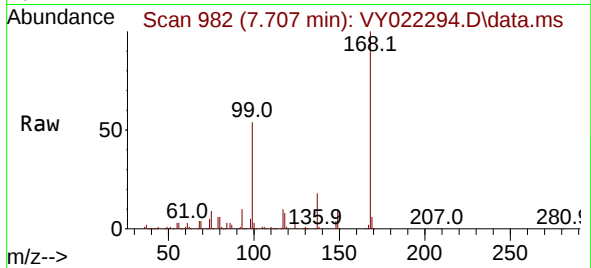




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

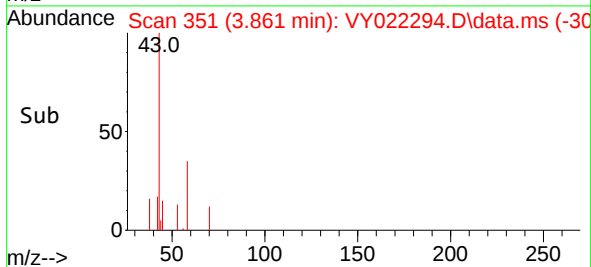
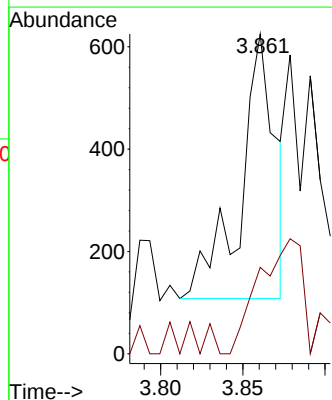
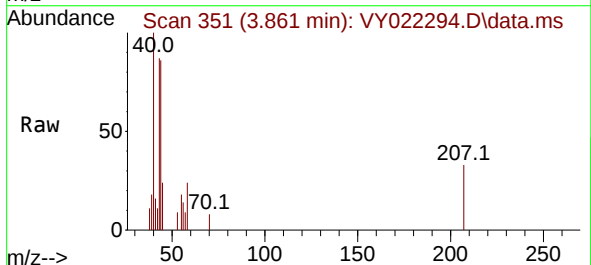
Instrument :
MSVOA_Y
ClientSampleId :
TP-29-99

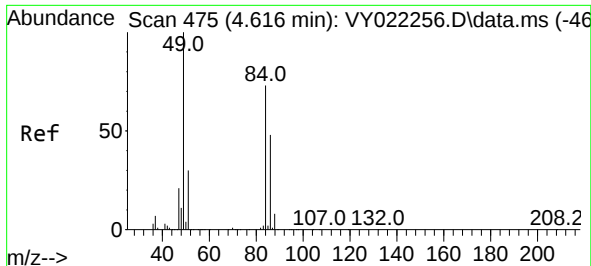
Tgt Ion:168 Resp: 265101
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#16
Acetone
Concen: 1.395 ug/l
RT: 3.861 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 32.7 23.6 35.4

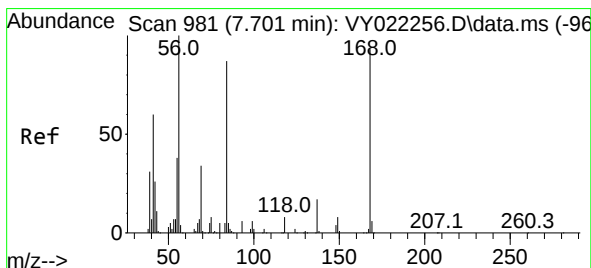
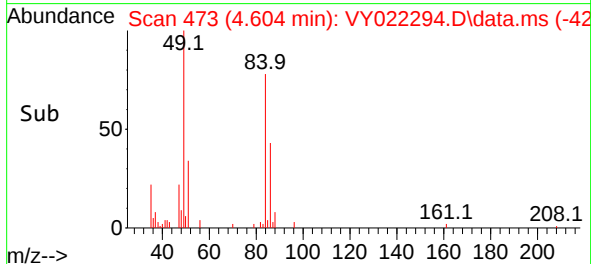
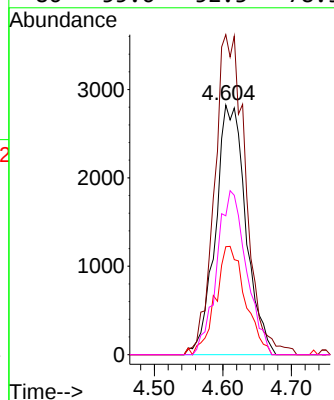
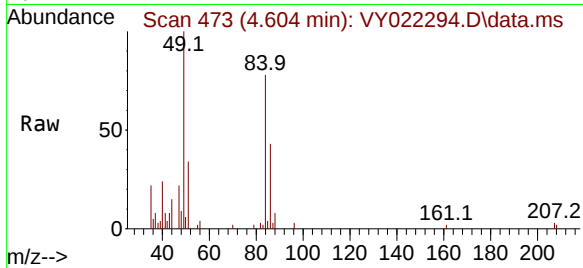




#20
Methylene Chloride
Concen: 2.473 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

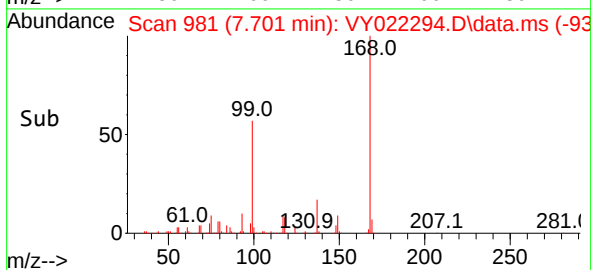
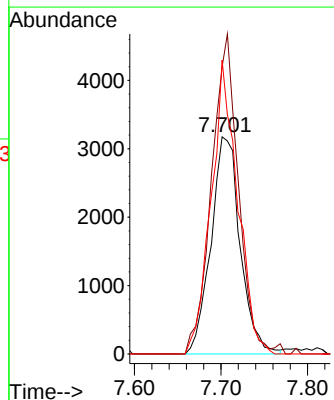
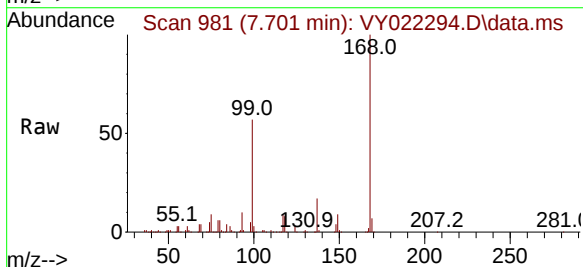
Instrument :
MSVOA_Y
ClientSampleId :
TP-29-99

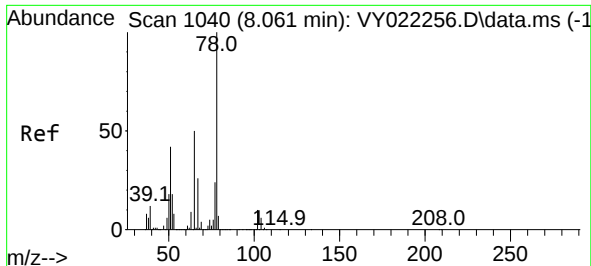
Tgt Ion:	84	Resp:	8682
Ion	Ratio	Lower	Upper
84	100		
49	128.2	109.6	164.4
51	43.3	32.4	48.6
86	55.6	52.3	78.5



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion:	56	Resp:	7426
Ion	Ratio	Lower	Upper
56	100		
69	132.1	27.4	41.2#
84	135.3	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 50.181 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022294.D

Acq: 16 May 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

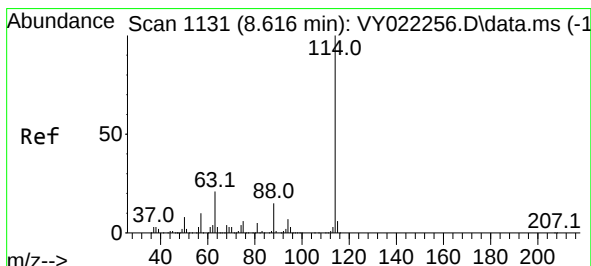
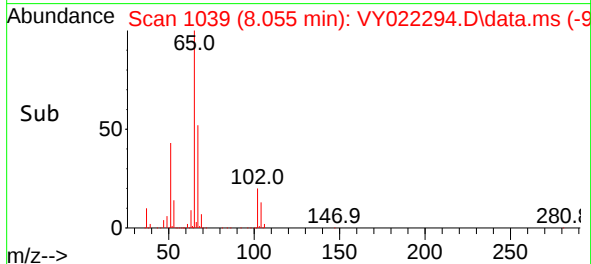
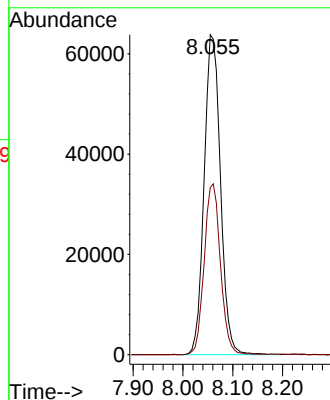
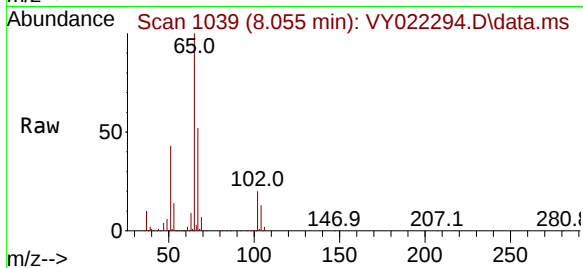
TP-29-99

Tgt Ion: 65 Resp: 145390

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022294.D

Acq: 16 May 2025 16:25

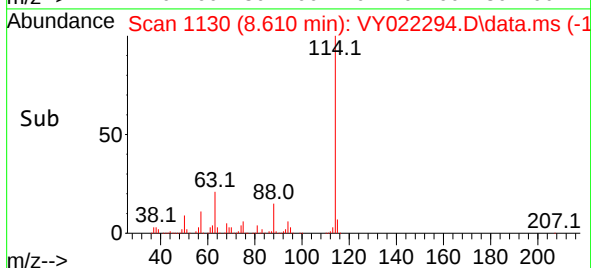
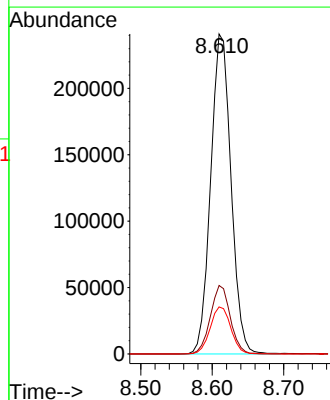
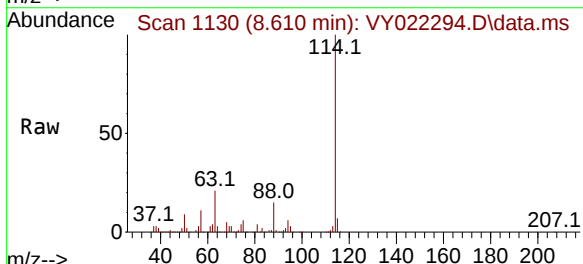
Tgt Ion: 114 Resp: 475372

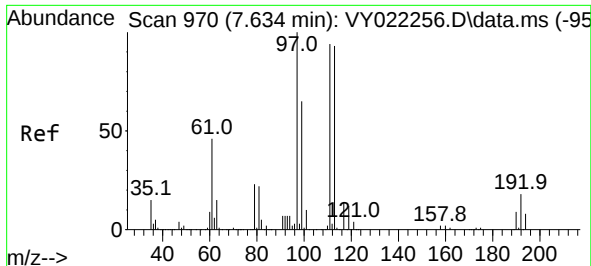
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

88 14.7 0.0 29.4

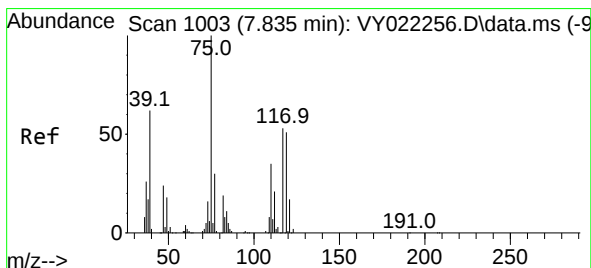
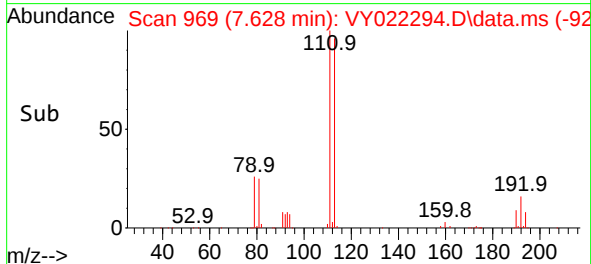
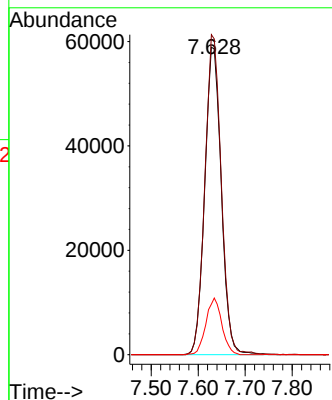
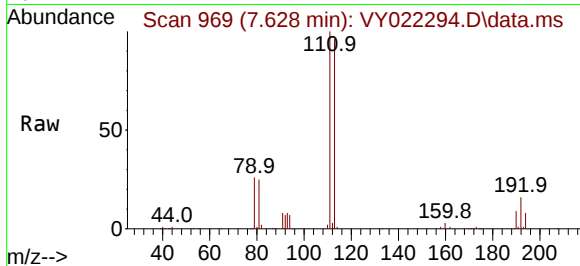




#35
Dibromofluoromethane
Concen: 50.652 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

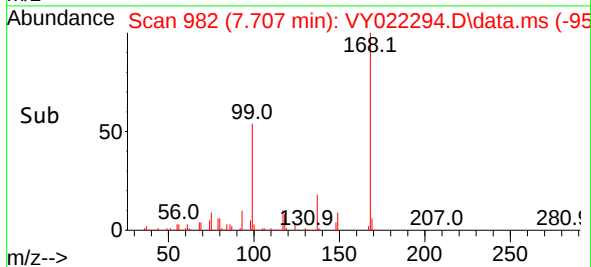
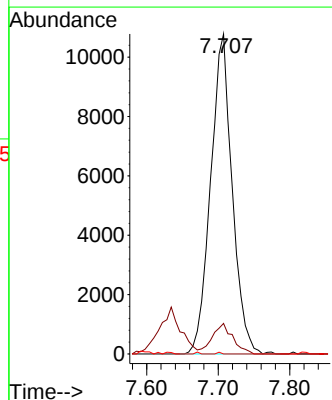
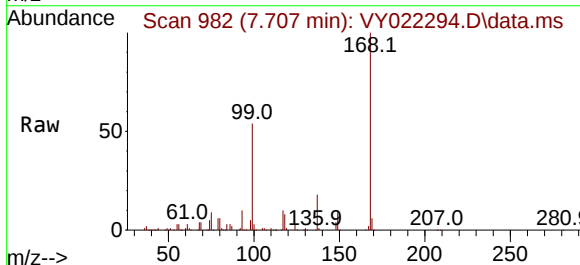
Instrument :
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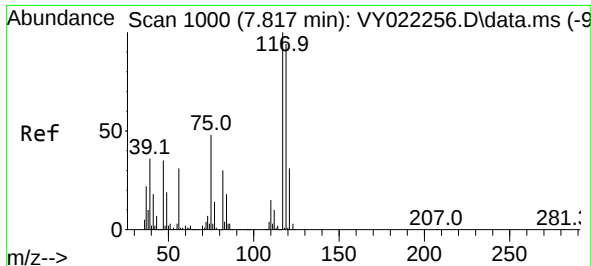
Tgt Ion:113 Resp: 143715
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion: 75 Resp: 22564
Ion Ratio Lower Upper
75 100
110 9.1 16.6 49.8#
77 0.1 24.6 37.0#

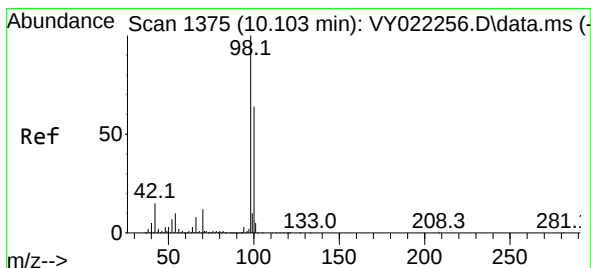
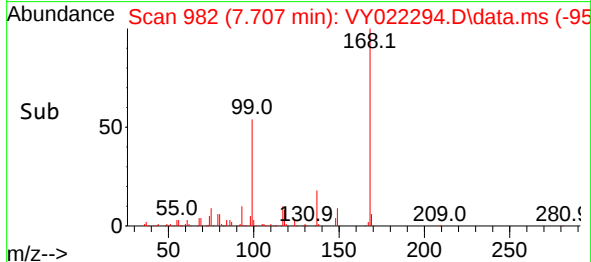
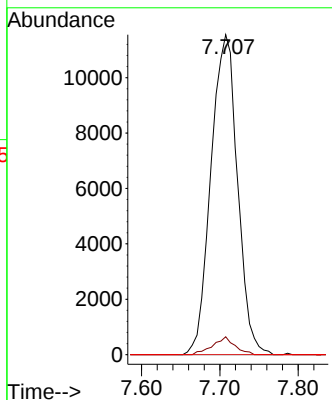
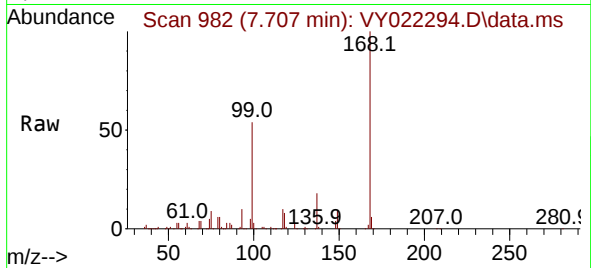




#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

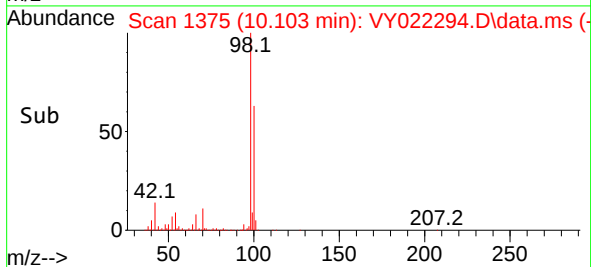
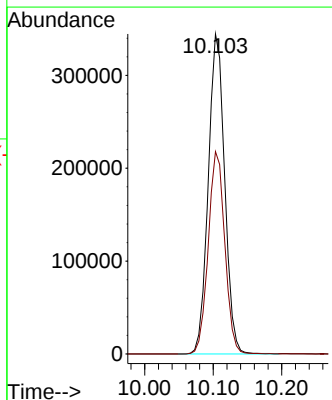
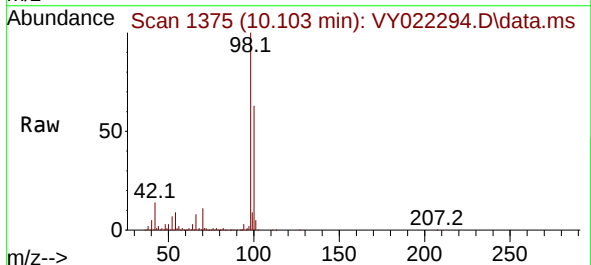
Instrument :
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ClientSampleId :
TP-29-99

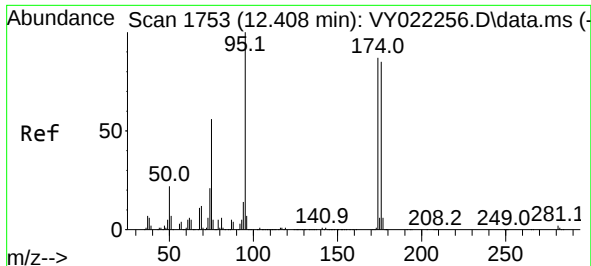
Tgt Ion:117 Resp: 27222
Ion Ratio Lower Upper
117 100
119 5.6 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion: 98 Resp: 573451
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8

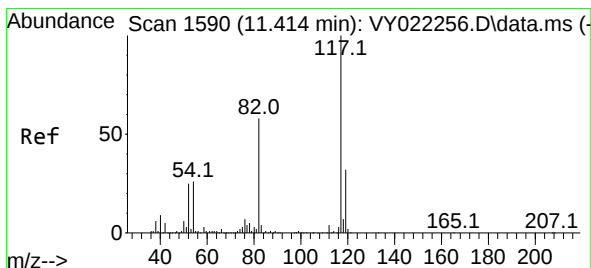
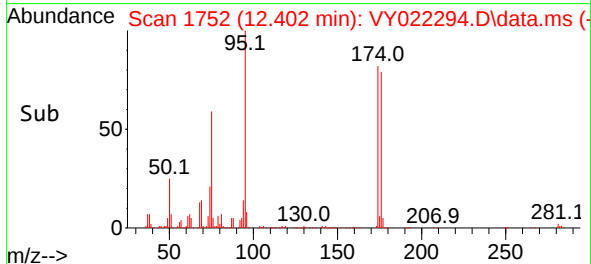
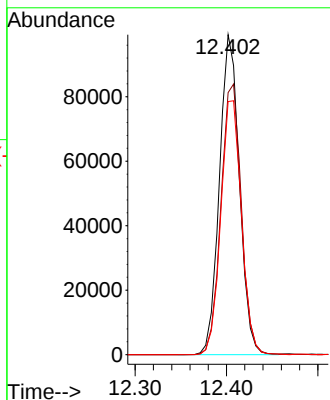
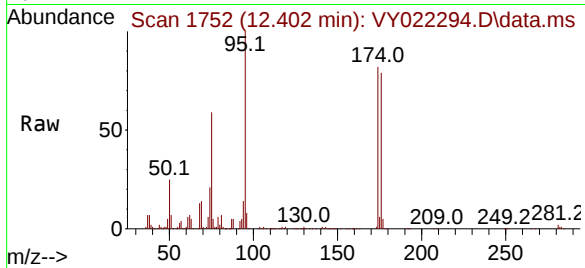




#62
4-Bromofluorobenzene
Concen: 40.864 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

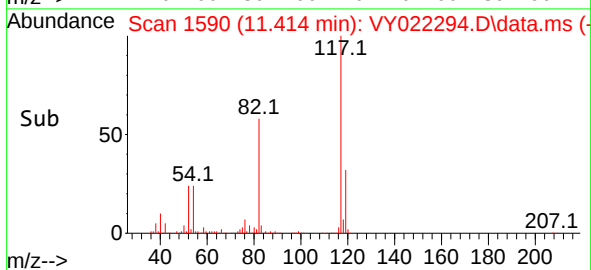
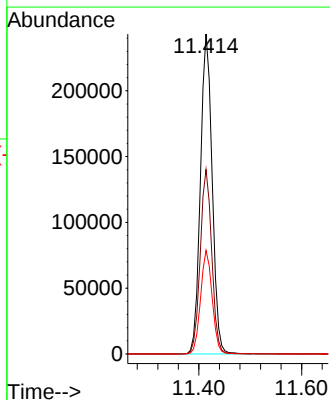
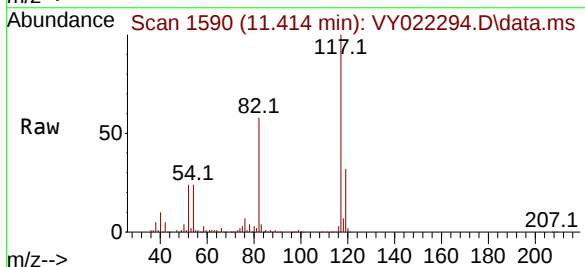
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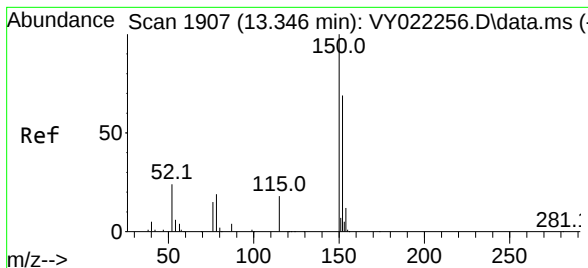
Tgt Ion: 95 Resp: 150514
Ion Ratio Lower Upper
95 100
174 86.9 0.0 166.8
176 82.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion: 117 Resp: 384945
Ion Ratio Lower Upper
117 100
82 57.7 46.6 70.0
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022294.D

Acq: 16 May 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-29-99

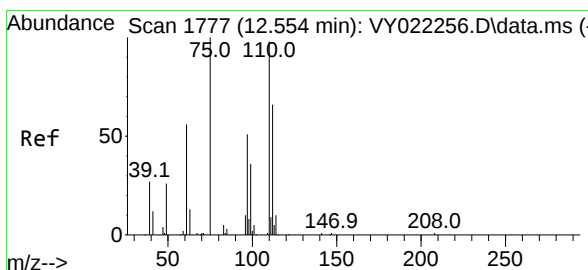
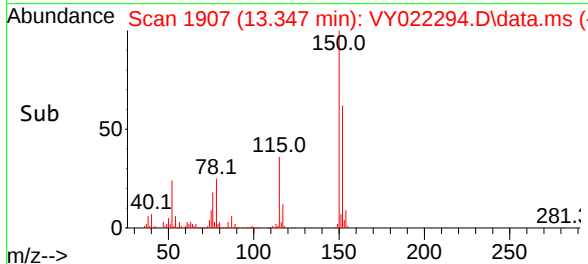
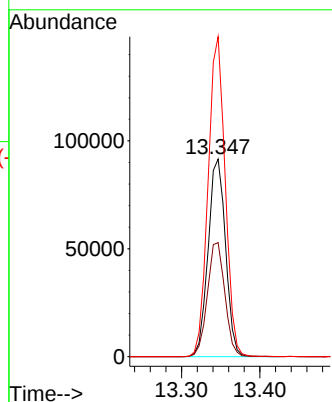
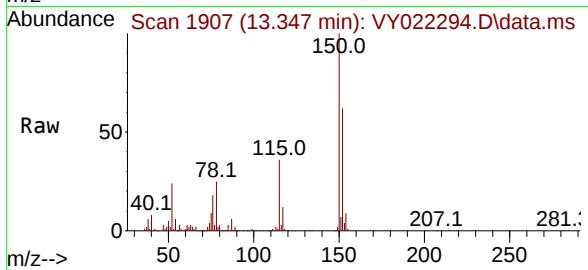
Tgt Ion:152 Resp: 141625

Ion Ratio Lower Upper

152 100

115 57.9 29.4 88.2

150 158.3 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 60.639 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022294.D

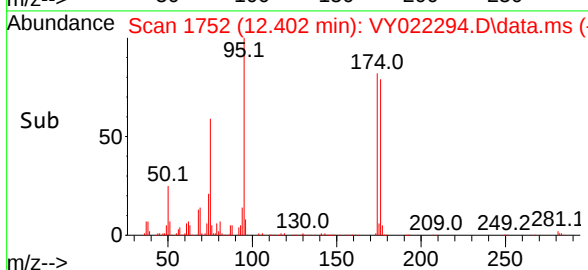
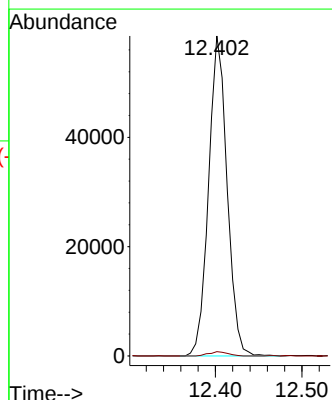
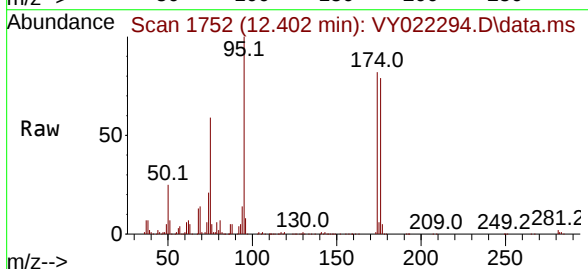
Acq: 16 May 2025 16:25

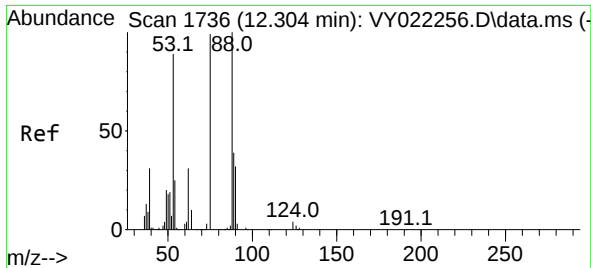
Tgt Ion: 75 Resp: 87005

Ion Ratio Lower Upper

75 100

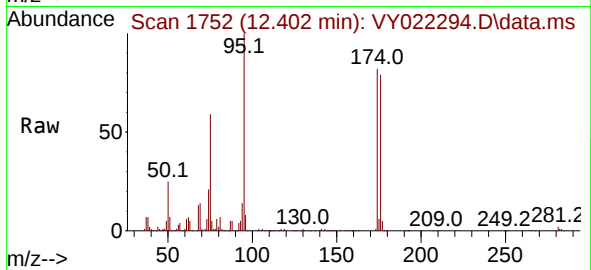
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.839 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022294.D
 Acq: 16 May 2025 16:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-29-99



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.2	36.2	54.2#

