

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120325\
 Data File : VV039456.D
 Acq On : 03 Dec 2025 15:59
 Operator : SY/MD
 Sample : VSTDCCC0.5EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5332

Quant Time: Dec 04 01:10:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 04 00:58:46 2025
 Response via : Initial Calibration

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

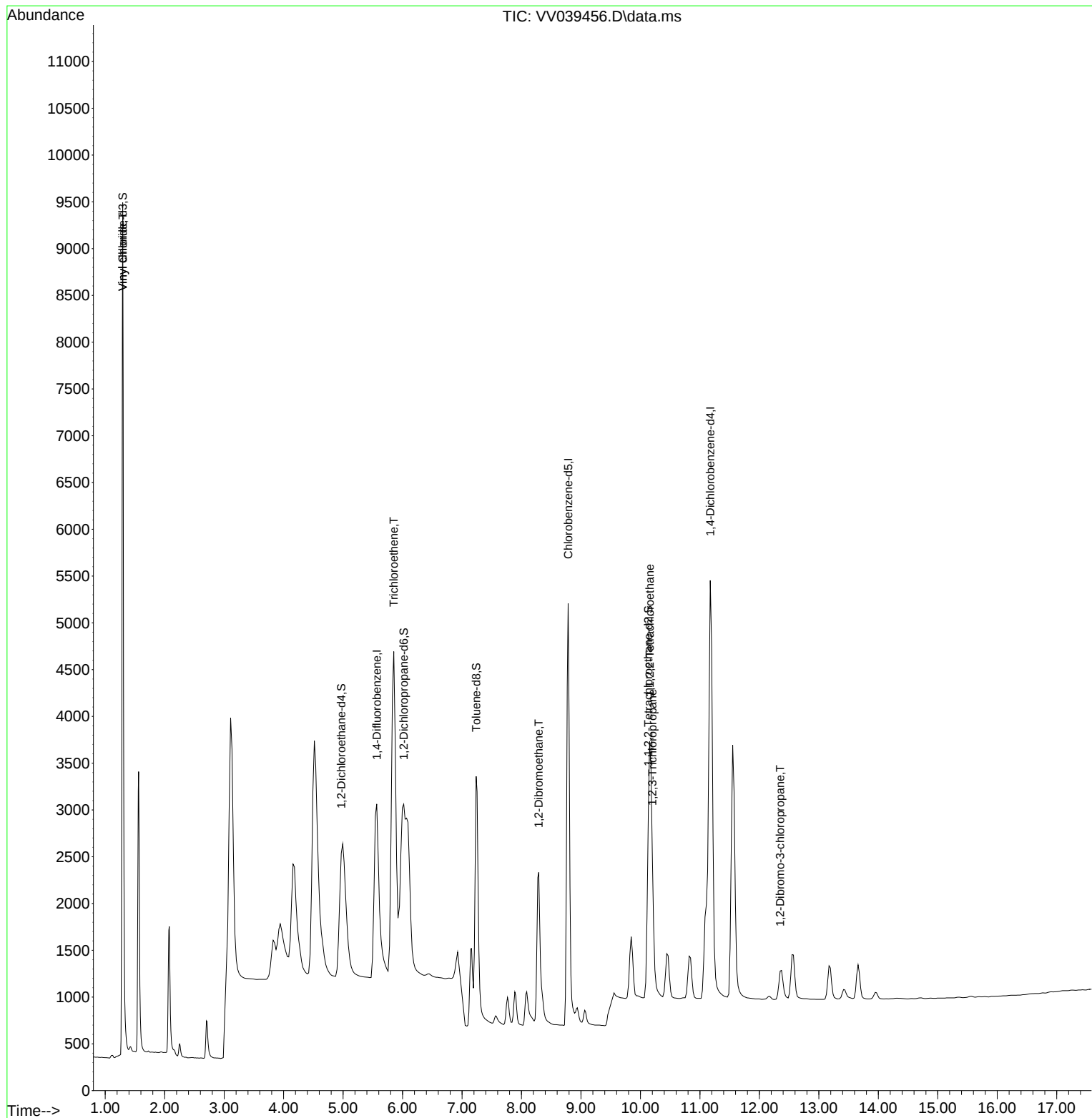
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	8408	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	8337	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	4690	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	4180	0.494	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	98.000%
4) 1,2-Dichloroethane-d4	4.970	65	2631	0.470	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.000%
7) 1,2-Dichloropropane-d6	6.020	67	3611	0.513	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	=	102.000%
8) Toluene-d8	7.238	98	5891	0.496	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	2154	0.543	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.295	62	8208	0.451	ug/L	97
6) Trichloroethene	5.853	95	5012	0.485	ug/L	99
9) 1,2-Dibromoethane	8.290	107	3191	0.467	ug/L	100
11) 1,1,2,2-Tetrachloroethane	10.155	83	4217	0.504	ug/L	100
13) 1,2,3-Trichloropropane	10.200	75	2405	0.487	ug/L	96
14) 1,2-Dibromo-3-chloropr...	12.351	75	475	0.475	ug/L	99

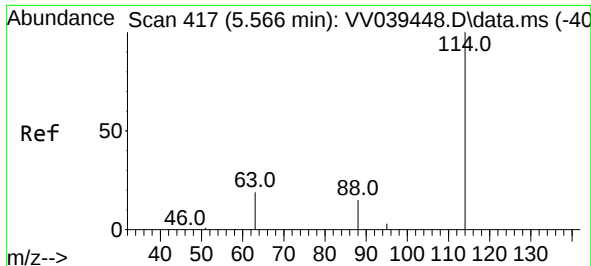
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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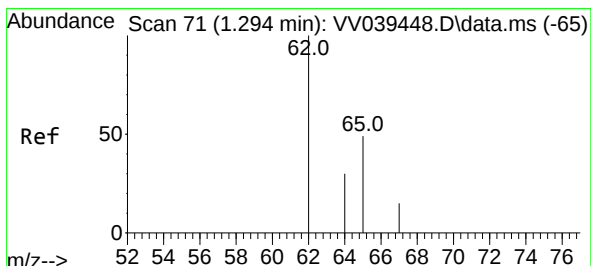
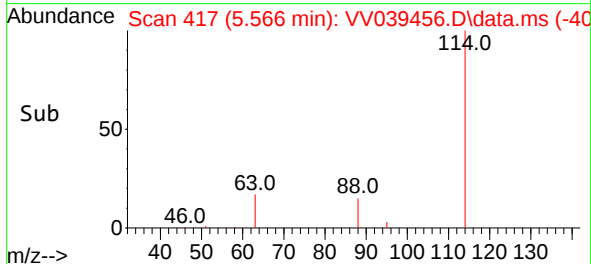
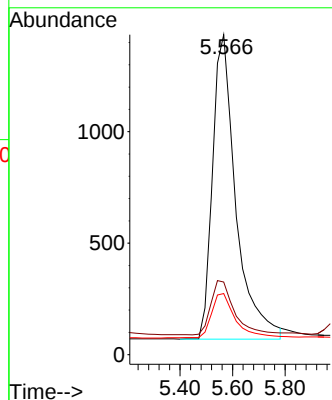
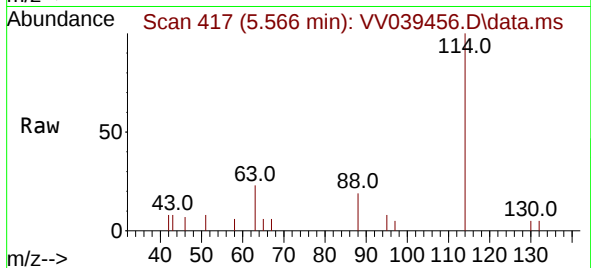




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

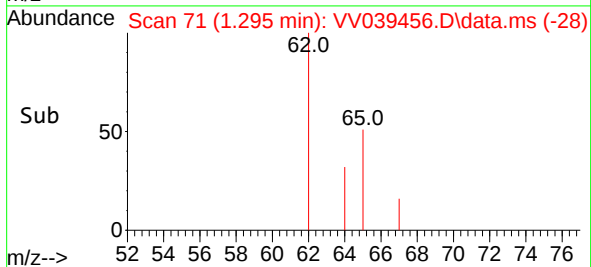
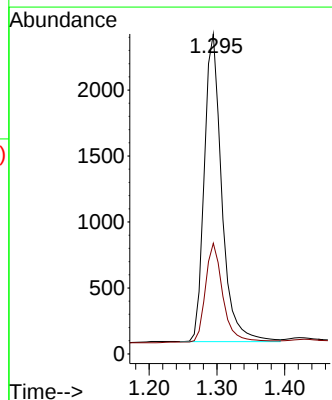
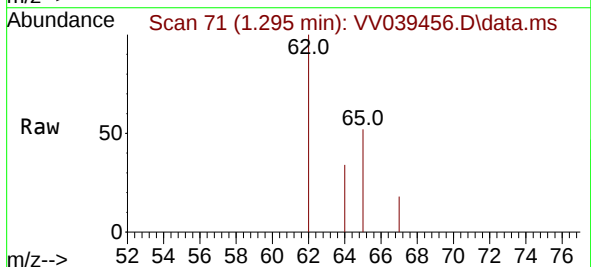
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5332

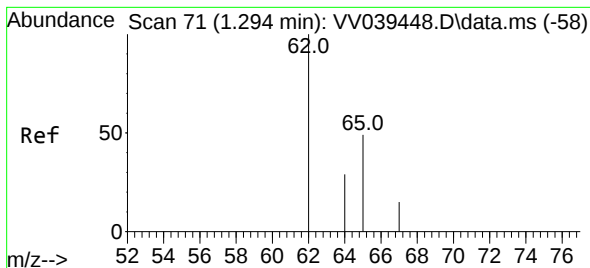
Tgt Ion:	114	Resp:	8408
Ion	Ratio	Lower	Upper
114	100		
63	17.8	15.0	22.4
88	15.0	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.494 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

Tgt Ion:	65	Resp:	4180
Ion	Ratio	Lower	Upper
65	100		
67	32.9	22.3	41.5





#3

Vinyl chloride

Concen: 0.451 ug/L

RT: 1.295 min Scan# 71

Delta R.T. 0.001 min

Lab File: VV039456.D

Acq: 03 Dec 2025 15:59

Instrument :

MSVOA_V

ClientSampleId :

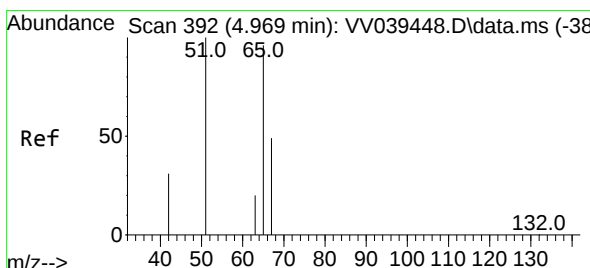
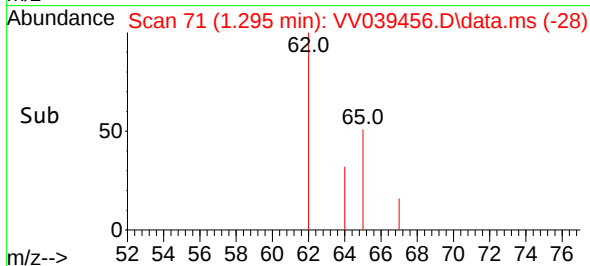
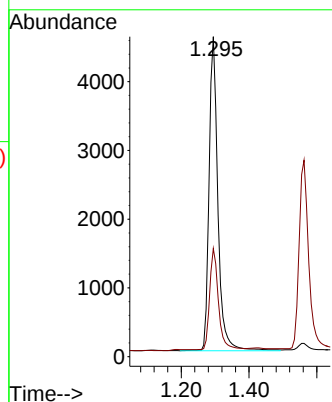
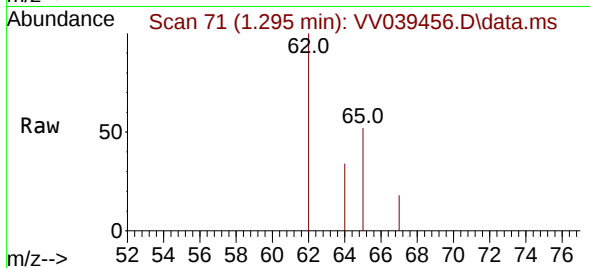
VSTD0.5332

Tgt Ion: 62 Resp: 8208

Ion Ratio Lower Upper

62 100

64 33.8 24.8 46.0



#4

1,2-Dichloroethane-d4

Concen: 0.470 ug/L

RT: 4.970 min Scan# 392

Delta R.T. 0.001 min

Lab File: VV039456.D

Acq: 03 Dec 2025 15:59

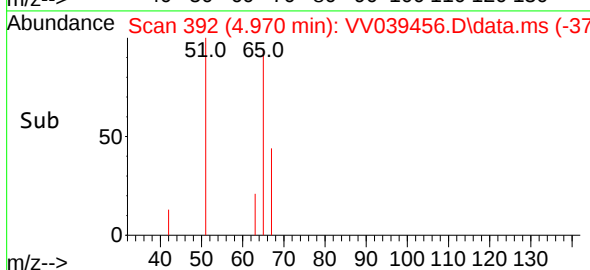
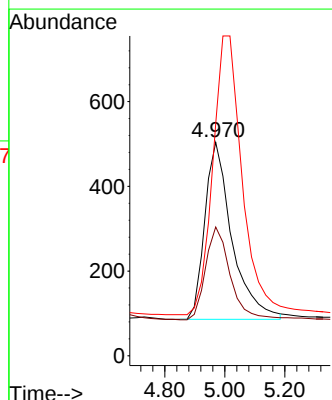
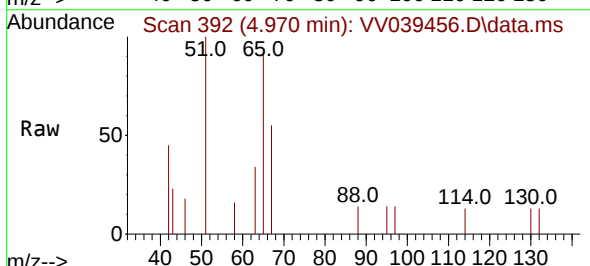
Tgt Ion: 65 Resp: 2631

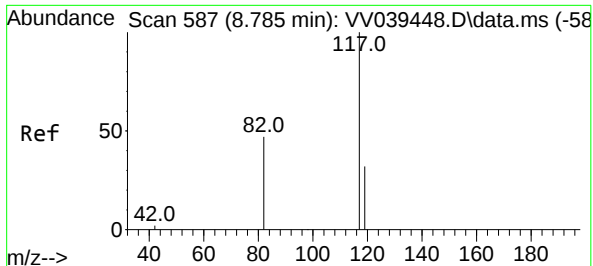
Ion Ratio Lower Upper

65 100

67 47.5 32.5 60.3

51 169.0 121.4 225.6

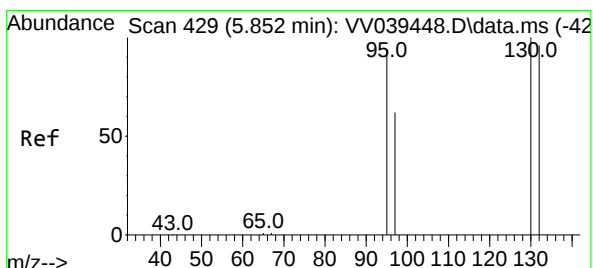
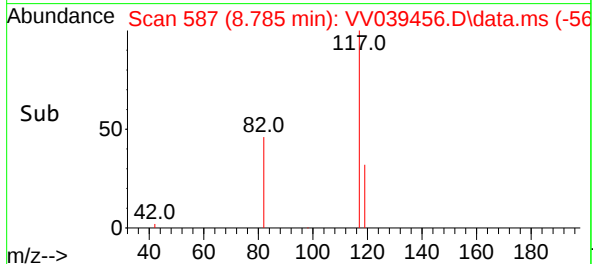
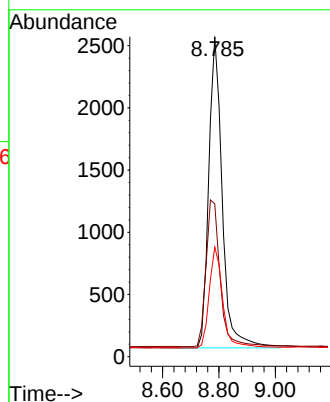
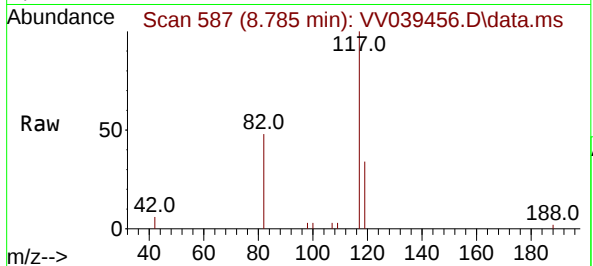




#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

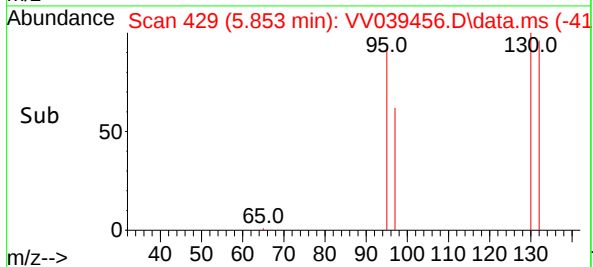
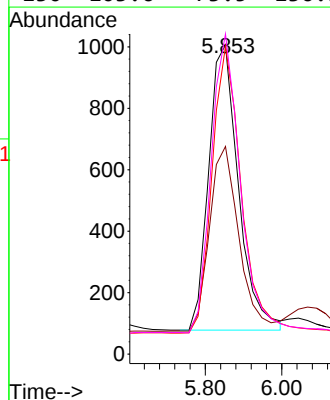
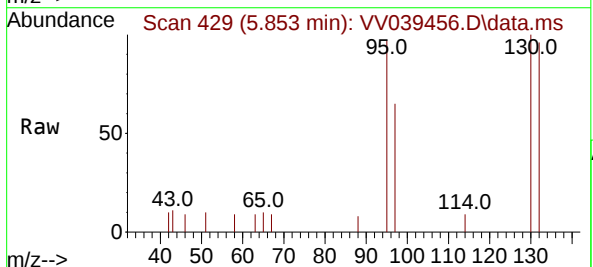
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5332

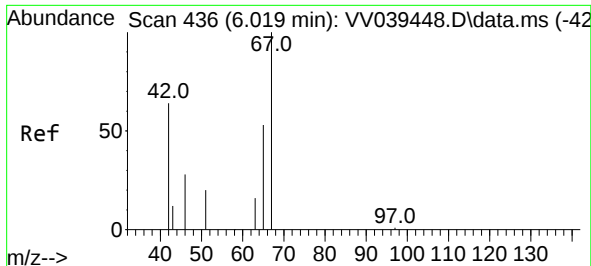
Tgt Ion:	117	Resp:	8337
Ion	Ratio	Lower	Upper
117	100		
82	49.1	39.4	59.2
119	32.4	26.2	39.2



#6
Trichloroethene
Concen: 0.485 ug/L
RT: 5.853 min Scan# 429
Delta R.T. 0.000 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

Tgt Ion:	95	Resp:	5012
Ion	Ratio	Lower	Upper
95	100		
97	67.2	47.7	88.7
132	99.6	70.8	131.4
130	103.6	73.5	136.5



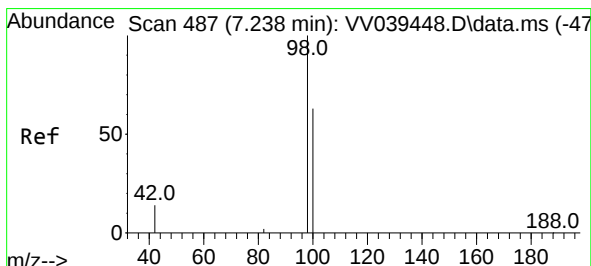
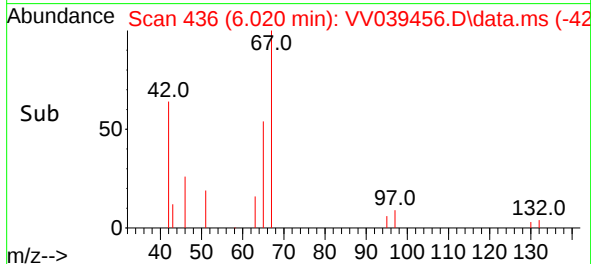
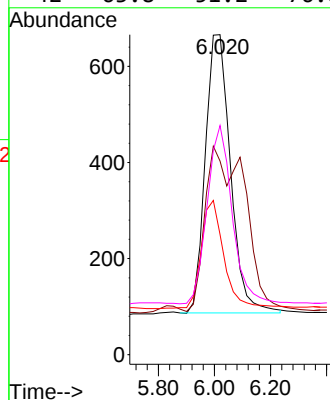
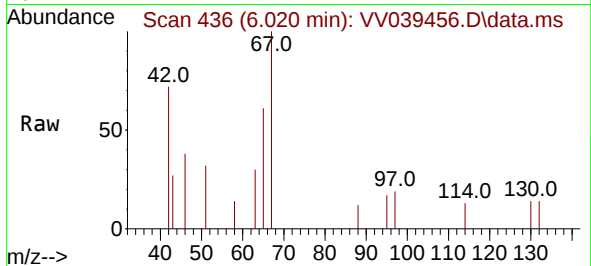


#7
1,2-Dichloropropane-d6
Concen: 0.513 ug/L
RT: 6.020 min Scan# 41
Delta R.T. 0.001 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5332

Tgt Ion: 67 Resp: 3611

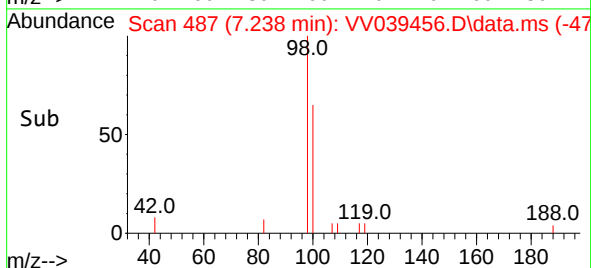
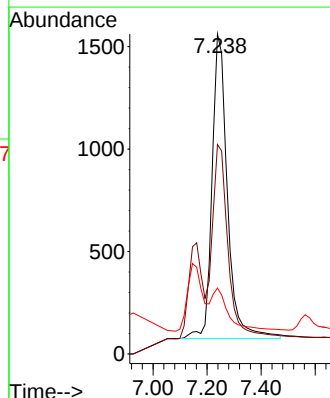
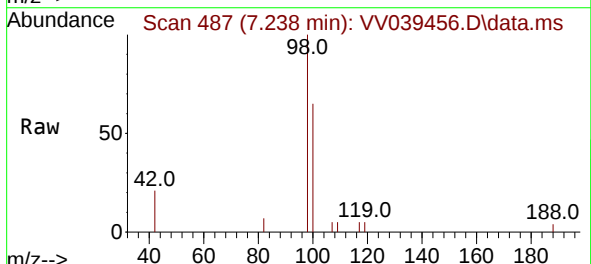
Ion	Ratio	Lower	Upper
67	100		
65	50.8	37.9	56.9
46	35.2	27.4	41.0
42	63.8	51.2	76.8

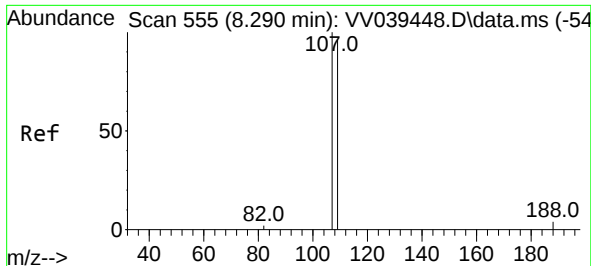


#8
Toluene-d8
Concen: 0.496 ug/L
RT: 7.238 min Scan# 487
Delta R.T. 0.000 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

Tgt Ion: 98 Resp: 5891

Ion	Ratio	Lower	Upper
98	100		
100	63.2	44.5	82.7
42	13.8	10.1	18.7

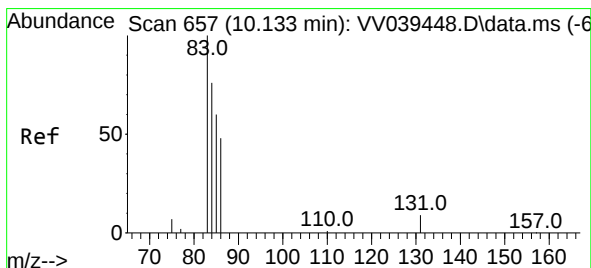
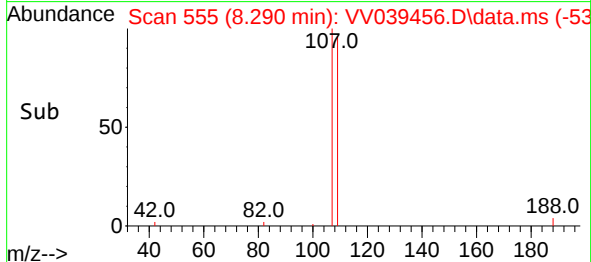
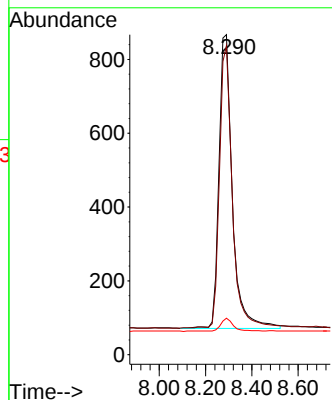
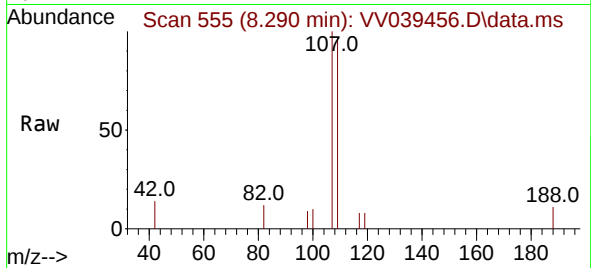




#9
 1,2-Dibromoethane
 Concen: 0.467 ug/L
 RT: 8.290 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VV039456.D
 Acq: 03 Dec 2025 15:59

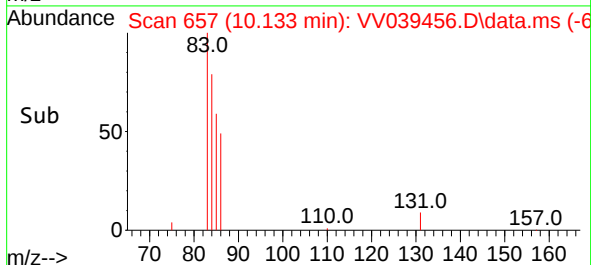
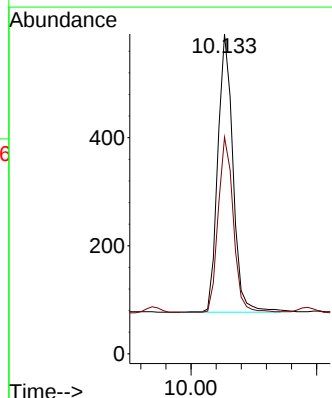
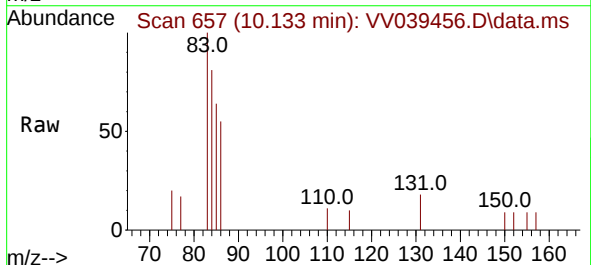
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5332

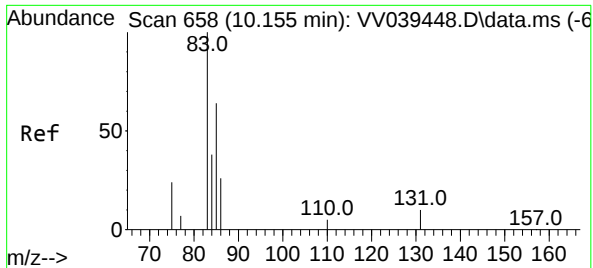
Tgt Ion:	107	Resp:	3191
Ion	Ratio	Lower	Upper
107	100		
109	96.5	67.4	125.2
188	11.4	9.4	14.0



#10
 1,1,2,2-Tetrachloroethane-d2
 Concen: 0.543 ug/L
 RT: 10.133 min Scan# 657
 Delta R.T. 0.000 min
 Lab File: VV039456.D
 Acq: 03 Dec 2025 15:59

Tgt Ion:	84	Resp:	2154
Ion	Ratio	Lower	Upper
84	100		
86	62.4	44.4	82.5

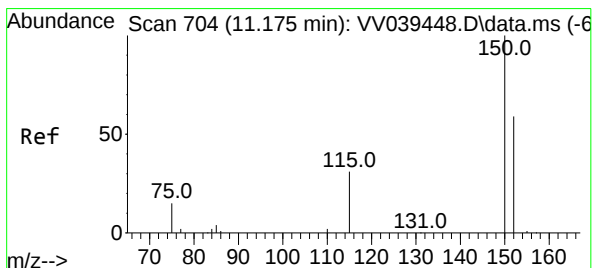
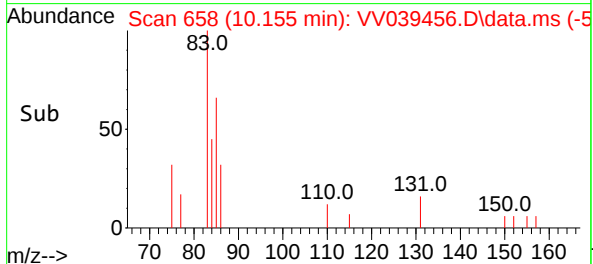
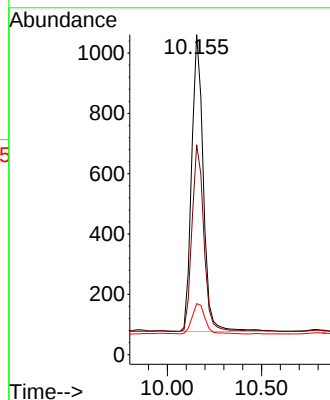
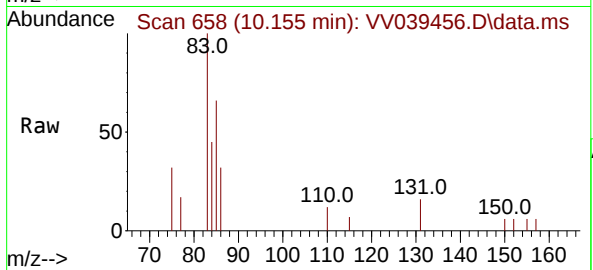




#11
1,1,2,2-Tetrachloroethane
Concen: 0.504 ug/L
RT: 10.155 min Scan# 658
Delta R.T. 0.000 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

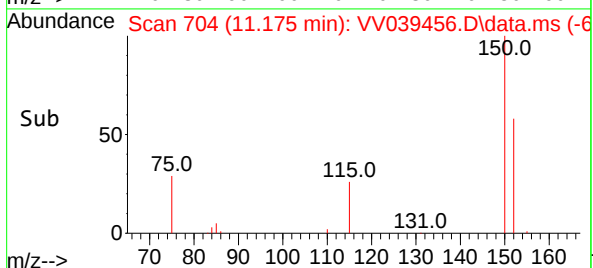
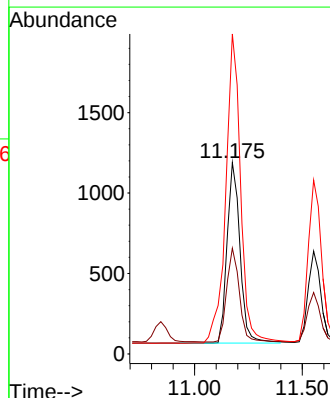
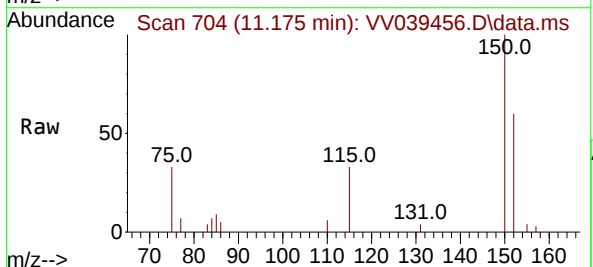
Instrument :
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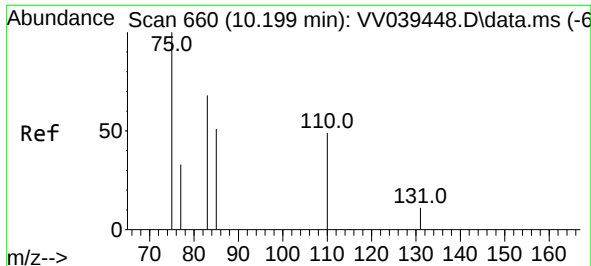
Tgt Ion: 83	Resp:	4217
Ion	Ratio	Lower Upper
83	100	
85	63.8	51.0 76.6
131	11.4	8.6 12.8



#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. 0.000 min
Lab File: VV039456.D
Acq: 03 Dec 2025 15:59

Tgt Ion: 152	Resp:	4690
Ion	Ratio	Lower Upper
152	100	
115	51.0	0.0 101.6
150	197.2	0.0 396.2





#13

1,2,3-Trichloropropane

Concen: 0.487 ug/L

RT: 10.200 min Scan# 660

Delta R.T. 0.000 min

Lab File: VV039456.D

Acq: 03 Dec 2025 15:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5332

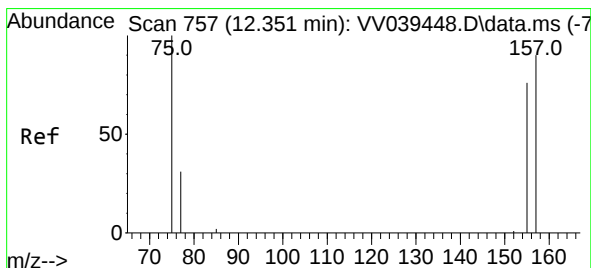
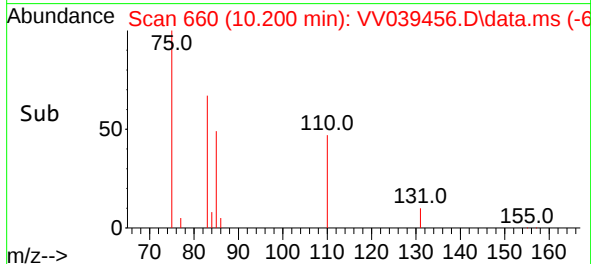
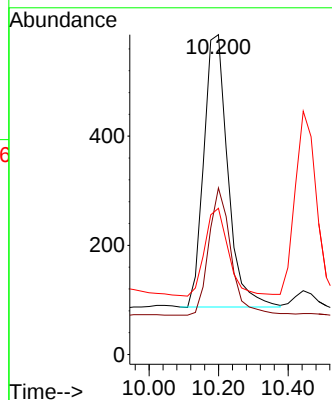
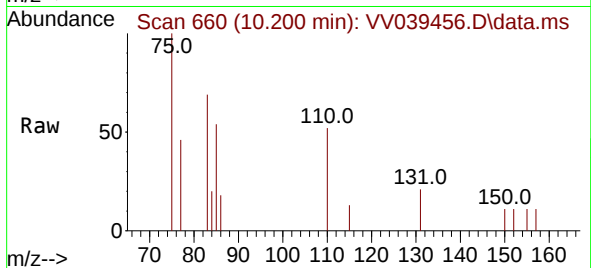
Tgt Ion: 75 Resp: 2405

Ion Ratio Lower Upper

75 100

110 43.2 37.8 56.6

77 31.1 25.6 38.4



#14

1,2-Dibromo-3-chloropropane

Concen: 0.475 ug/L

RT: 12.351 min Scan# 757

Delta R.T. 0.000 min

Lab File: VV039456.D

Acq: 03 Dec 2025 15:59

Tgt Ion: 75 Resp: 475

Ion Ratio Lower Upper

75 100

157 84.4 67.8 101.6

155 76.3 61.9 92.9

