

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
 Data File : VV039544.D
 Acq On : 11 Dec 2025 16:15
 Operator : SY/MD
 Sample : VSTDCCC0.5EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5344

Quant Time: Dec 12 00:49:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 09 08:40:48 2025
 Response via : Initial Calibration

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

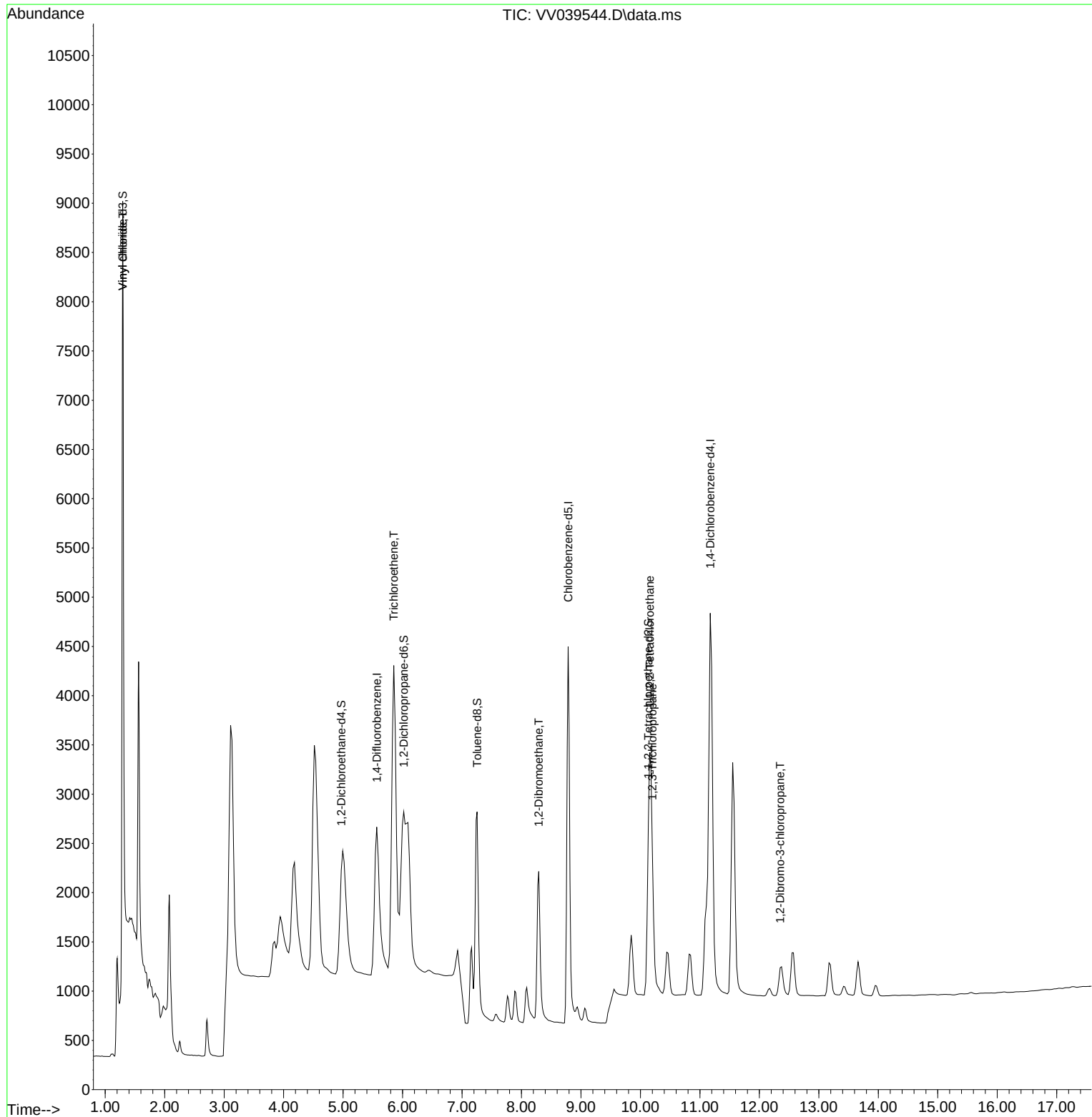
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6792	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	7075	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	4080	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3347	0.502	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	100.000%
4) 1,2-Dichloroethane-d4	4.970	65	2199	0.486	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	98.000%
7) 1,2-Dichloropropane-d6	6.019	67	3130	0.524	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	=	104.000%
8) Toluene-d8	7.254	98	4830	0.480	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	96.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1891	0.562	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	112.000%
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.294	62	7346	0.500	ug/L	# 69
6) Trichloroethene	5.852	95	4616	0.538	ug/L	98
9) 1,2-Dibromoethane	8.290	107	2874	0.496	ug/L	100
11) 1,1,2,2-Tetrachloroethane	10.155	83	4002	0.564	ug/L	99
13) 1,2,3-Trichloropropane	10.199	75	2224	0.533	ug/L	97
14) 1,2-Dibromo-3-chloropr...	12.351	75	447	0.514	ug/L	99

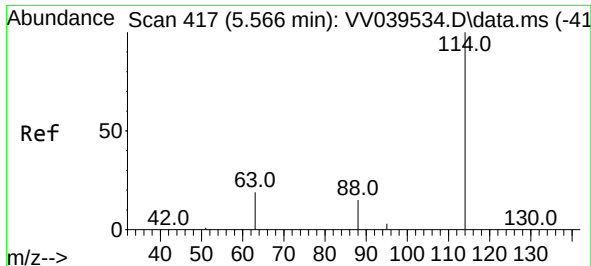
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 00:49:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

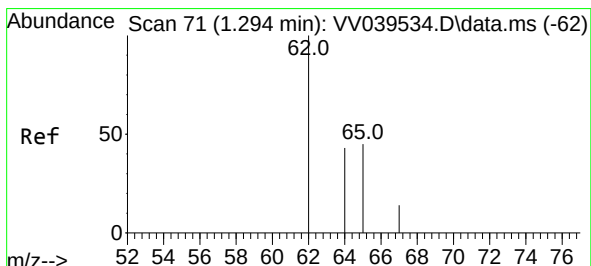
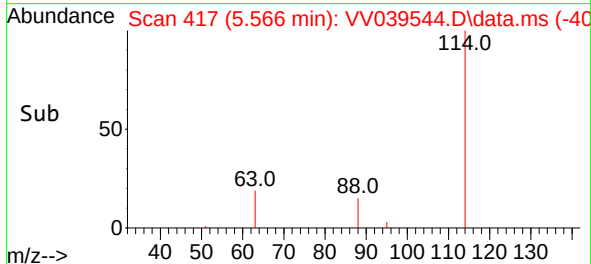
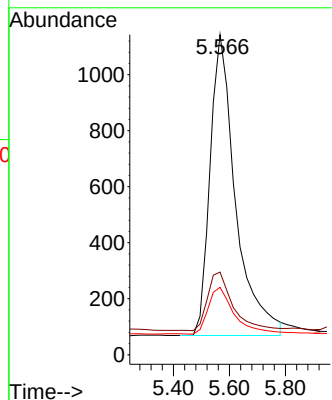
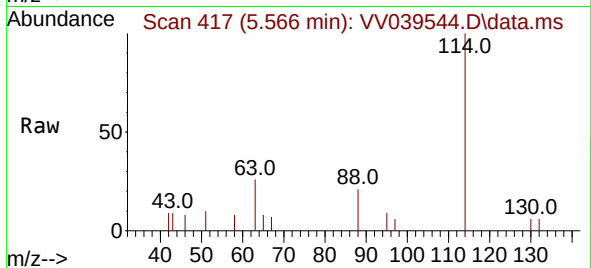




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

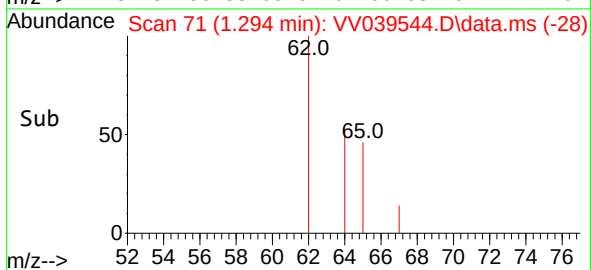
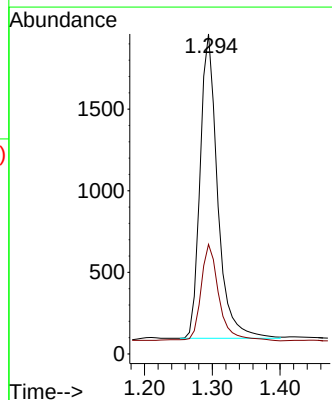
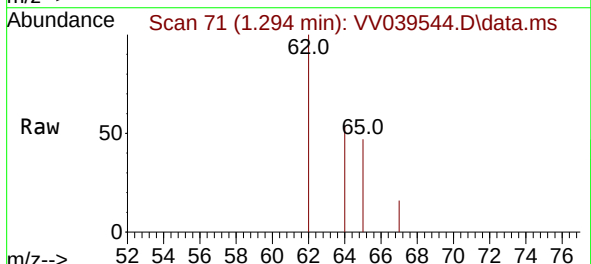
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5344

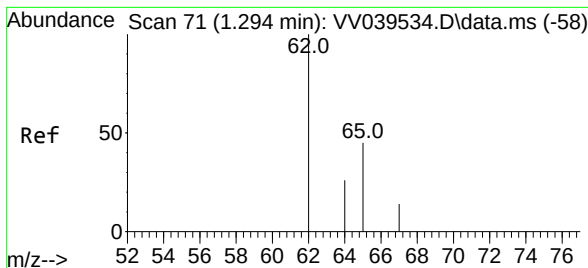
Tgt Ion:114 Resp: 6792
Ion Ratio Lower Upper
114 100
63 19.1 15.0 22.4
88 15.7 12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.502 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

Tgt Ion: 65 Resp: 3347
Ion Ratio Lower Upper
65 100
67 33.0 22.3 41.5





#3

Vinyl chloride

Concen: 0.500 ug/L

RT: 1.294 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV039544.D

Acq: 11 Dec 2025 16:15

Instrument :

MSVOA_V

ClientSampleId :

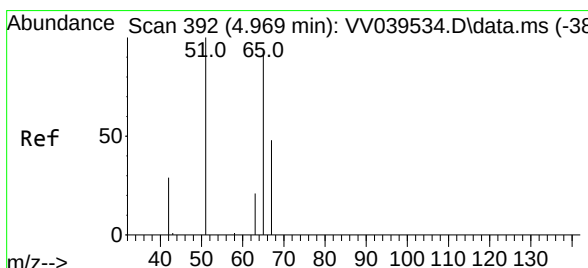
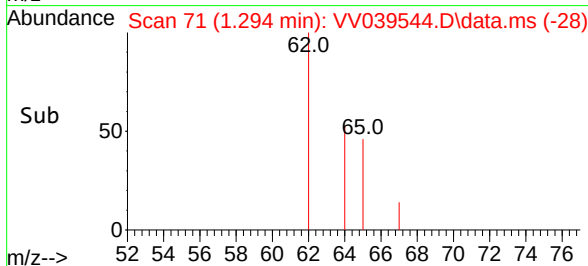
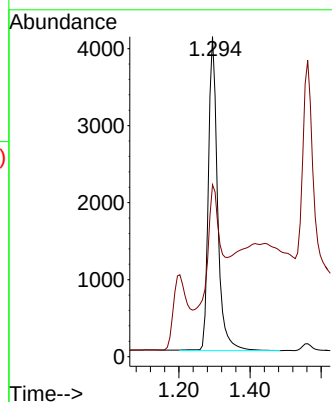
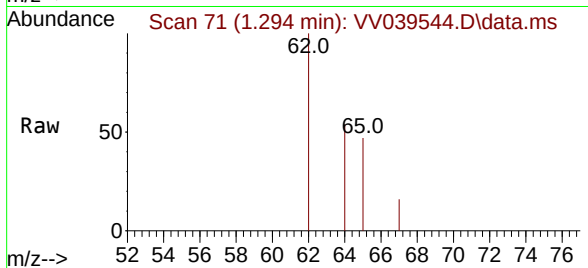
VSTD0.5344

Tgt Ion: 62 Resp: 7346

Ion Ratio Lower Upper

62 100

64 53.7 24.8 46.0#



#4

1,2-Dichloroethane-d4

Concen: 0.486 ug/L

RT: 4.970 min Scan# 392

Delta R.T. 0.001 min

Lab File: VV039544.D

Acq: 11 Dec 2025 16:15

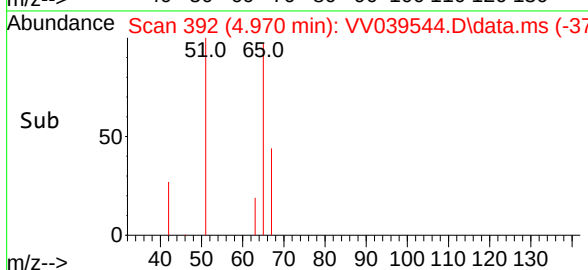
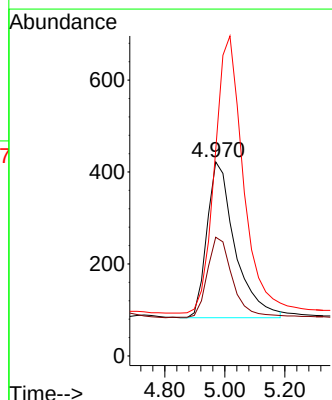
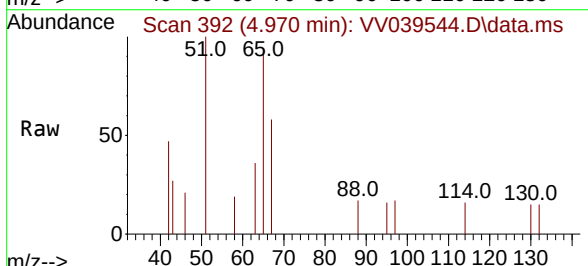
Tgt Ion: 65 Resp: 2199

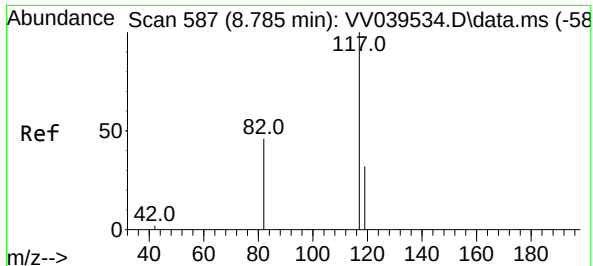
Ion Ratio Lower Upper

65 100

67 46.8 32.5 60.3

51 179.9 121.4 225.6

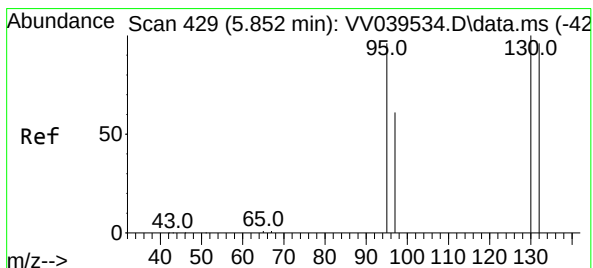
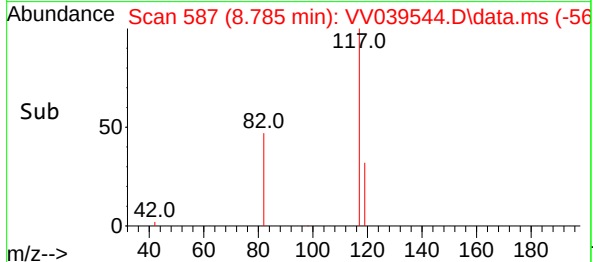
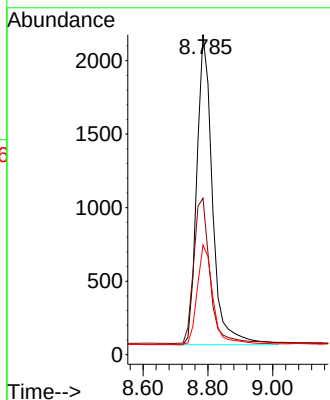
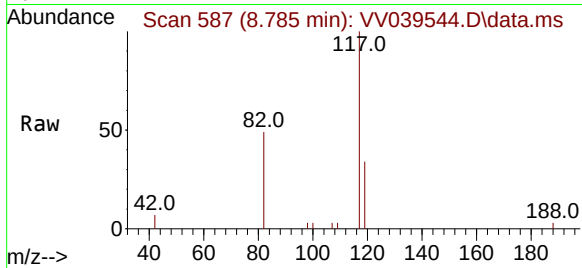




#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

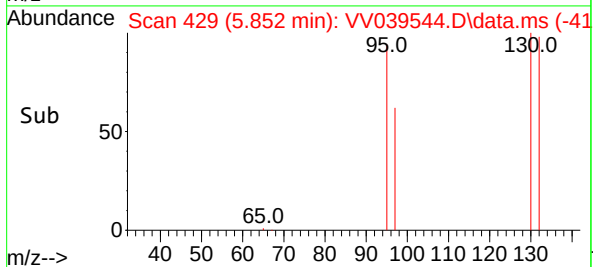
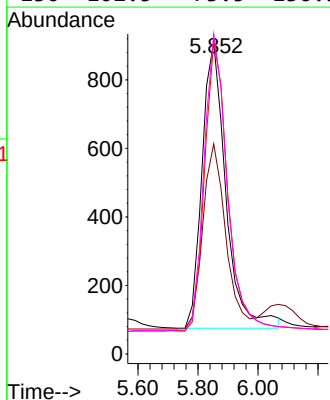
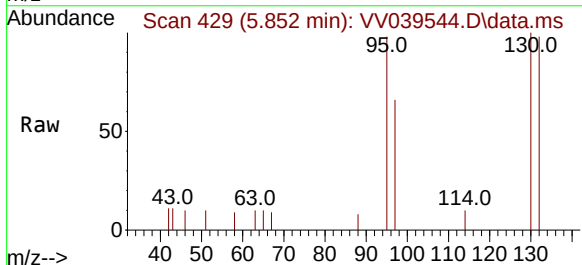
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5344

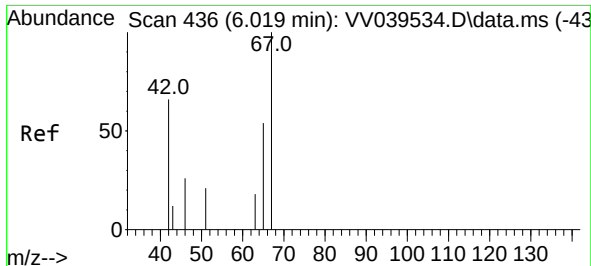
Tgt Ion:	117	Resp:	7075
Ion	Ratio	Lower	Upper
117	100		
82	48.7	39.4	59.2
119	32.6	26.2	39.2



#6
Trichloroethene
Concen: 0.538 ug/L
RT: 5.852 min Scan# 429
Delta R.T. 0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

Tgt Ion:	95	Resp:	4616
Ion	Ratio	Lower	Upper
95	100		
97	67.3	47.7	88.7
132	100.2	70.8	131.4
130	102.5	73.5	136.5

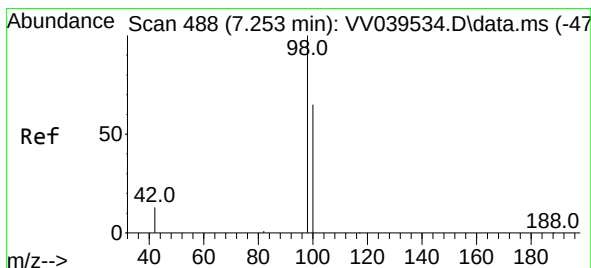
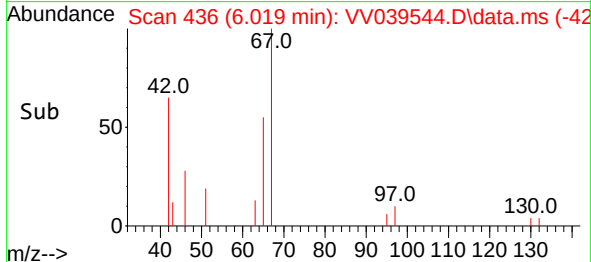
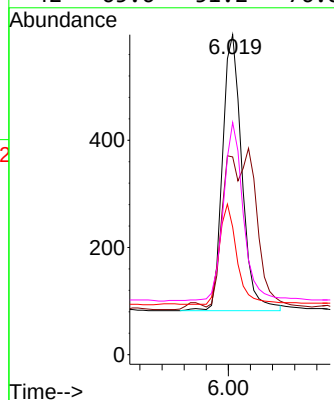
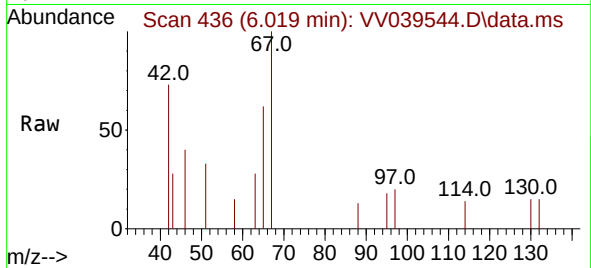




#7
1,2-Dichloropropane-d6
Concen: 0.524 ug/L
RT: 6.019 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

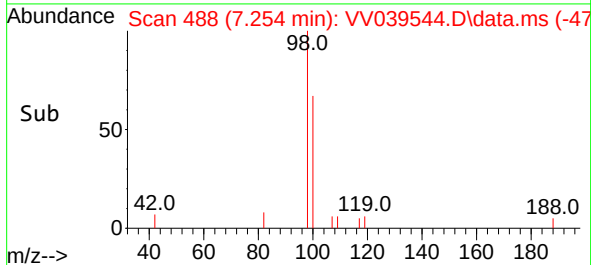
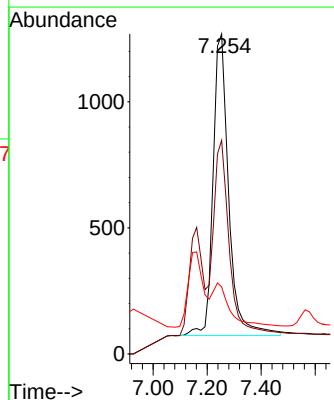
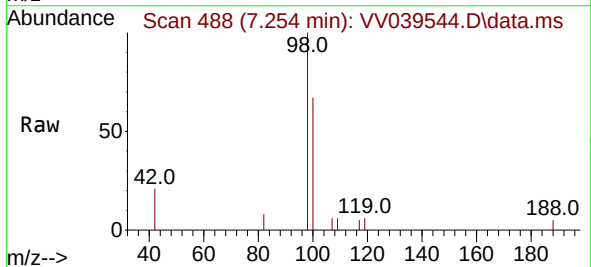
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5344

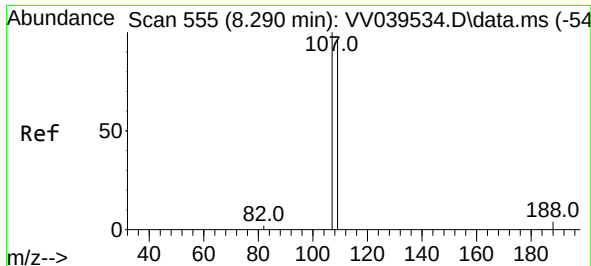
Tgt Ion:	67	Resp:	3130
Ion	Ratio	Lower	Upper
67	100		
65	47.6	37.9	56.9
46	33.2	27.4	41.0
42	65.6	51.2	76.8



#8
Toluene-d8
Concen: 0.480 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

Tgt Ion:	98	Resp:	4830
Ion	Ratio	Lower	Upper
98	100		
100	63.9	44.5	82.7
42	15.2	10.1	18.7



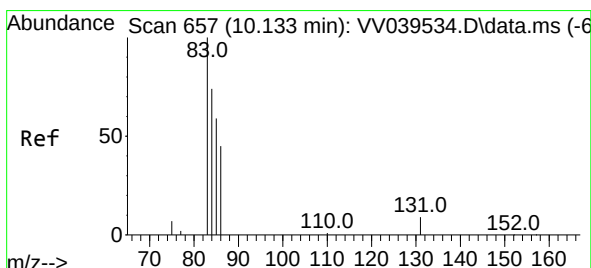
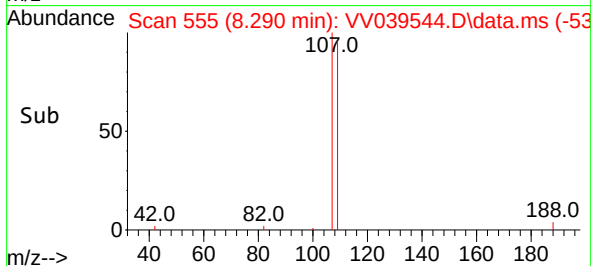
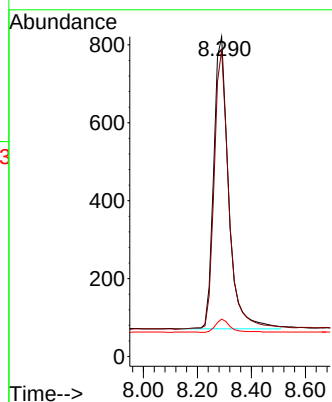
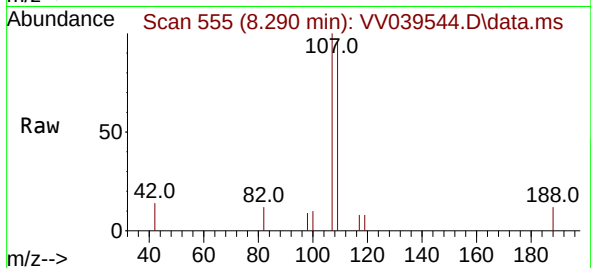


#9
 1,2-Dibromoethane
 Concen: 0.496 ug/L
 RT: 8.290 min Scan# 555
 Delta R.T. -0.000 min
 Lab File: VV039544.D
 Acq: 11 Dec 2025 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5344

Tgt Ion:107 Resp: 2874

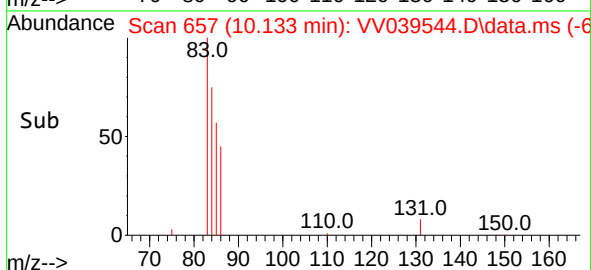
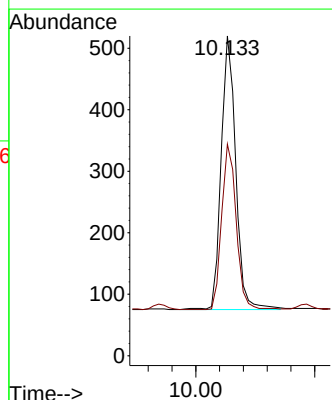
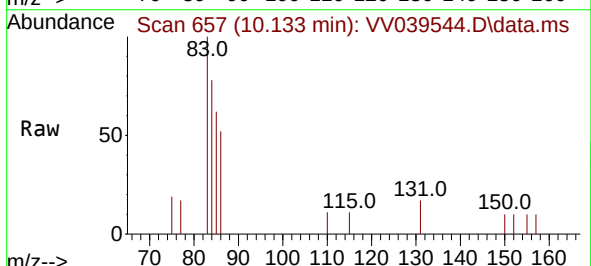
Ion	Ratio	Lower	Upper
107	100		
109	95.9	67.4	125.2
188	11.7	9.4	14.0

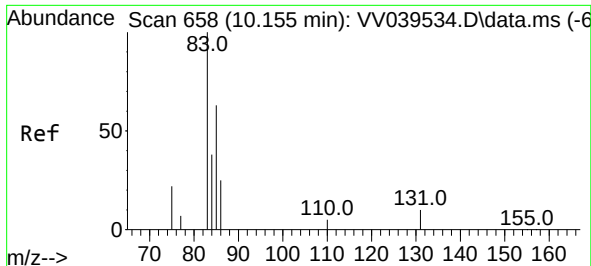


#10
 1,1,2,2-Tetrachloroethane-d2
 Concen: 0.562 ug/L
 RT: 10.133 min Scan# 657
 Delta R.T. -0.000 min
 Lab File: VV039544.D
 Acq: 11 Dec 2025 16:15

Tgt Ion: 84 Resp: 1891

Ion	Ratio	Lower	Upper
84	100		
86	60.6	44.4	82.5

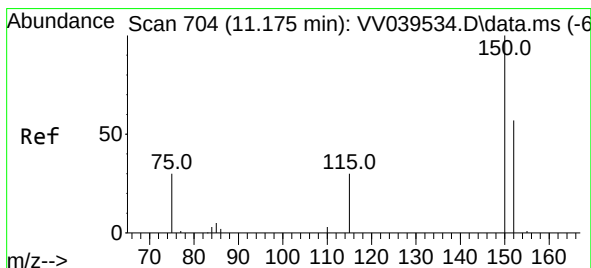
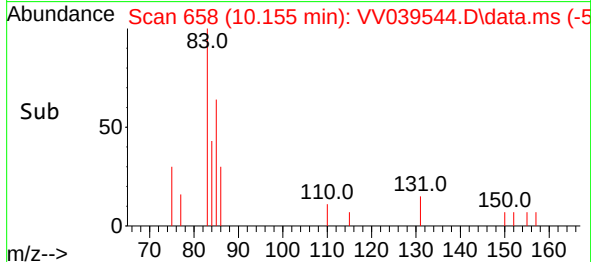
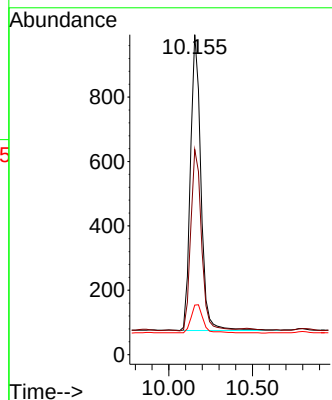
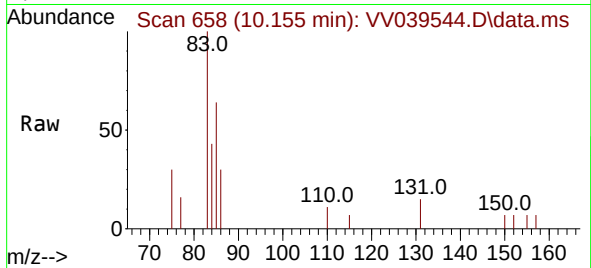




#11
1,1,2,2-Tetrachloroethane
Concen: 0.564 ug/L
RT: 10.155 min Scan# 611
Delta R.T. -0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

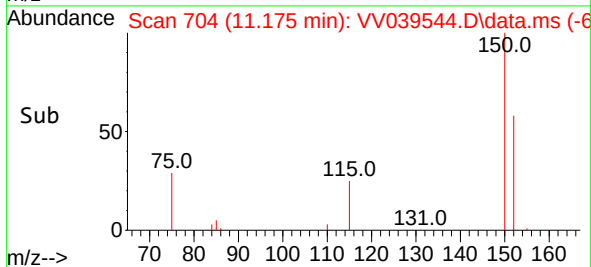
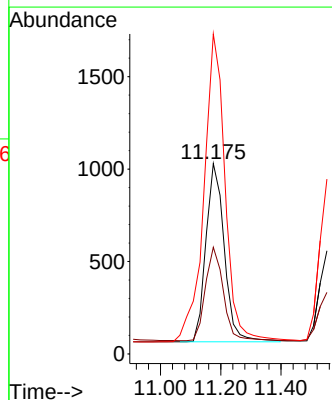
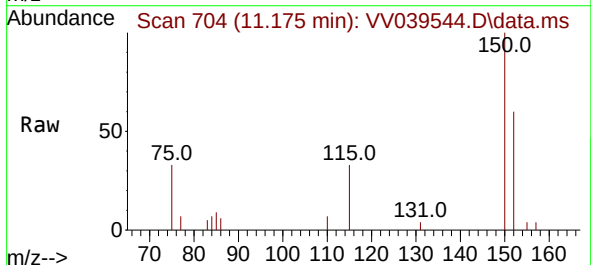
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MSVOA_V
ClientSampleId :
VSTD0.5344

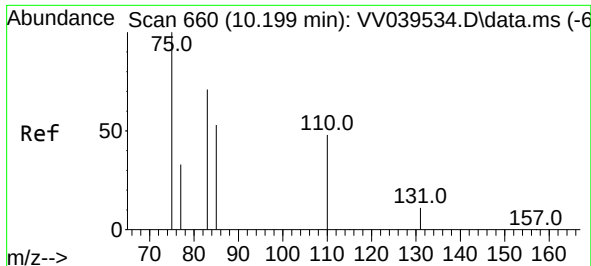
Tgt Ion: 83	Resp: 4002
Ion Ratio	Lower Upper
83 100	
85 62.9	51.0 76.6
131 11.3	8.6 12.8



#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. 0.000 min
Lab File: VV039544.D
Acq: 11 Dec 2025 16:15

Tgt Ion:152	Resp:	4080	
Ion	Ratio	Lower	Upper
152	100		
115	51.2	0.0	101.6
150	200.2	0.0	396.2





#13

1,2,3-Trichloropropane

Concen: 0.533 ug/L

RT: 10.199 min Scan# 660

Delta R.T. 0.000 min

Lab File: VV039544.D

Acq: 11 Dec 2025 16:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5344

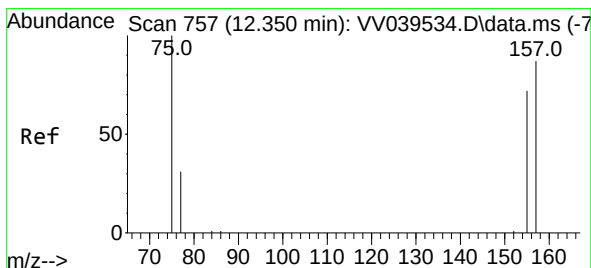
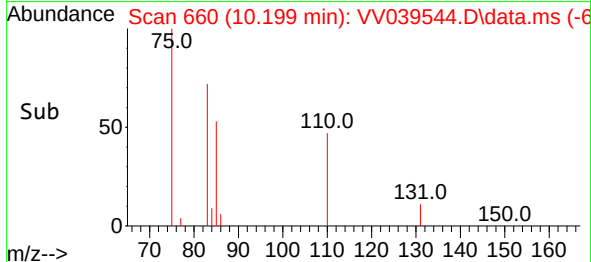
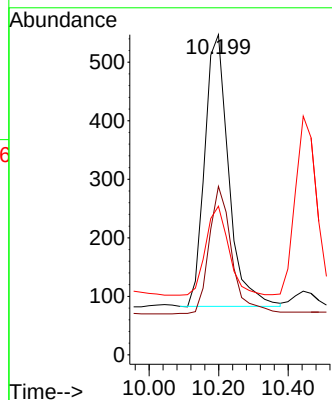
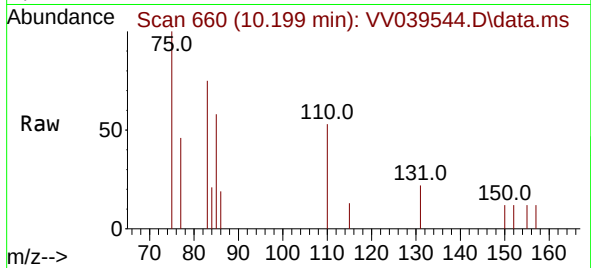
Tgt Ion: 75 Resp: 2224

Ion Ratio Lower Upper

75 100

110 44.6 37.8 56.6

77 31.5 25.6 38.4



#14

1,2-Dibromo-3-chloropropane

Concen: 0.514 ug/L

RT: 12.351 min Scan# 757

Delta R.T. -0.000 min

Lab File: VV039544.D

Acq: 11 Dec 2025 16:15

Tgt Ion: 75 Resp: 447

Ion Ratio Lower Upper

75 100

157 85.4 67.8 101.6

155 75.8 61.9 92.9

