

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032345.D
 Acq On : 03 Oct 2025 11:54
 Operator : SY/MD
 Sample : Q3271-01
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:01:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

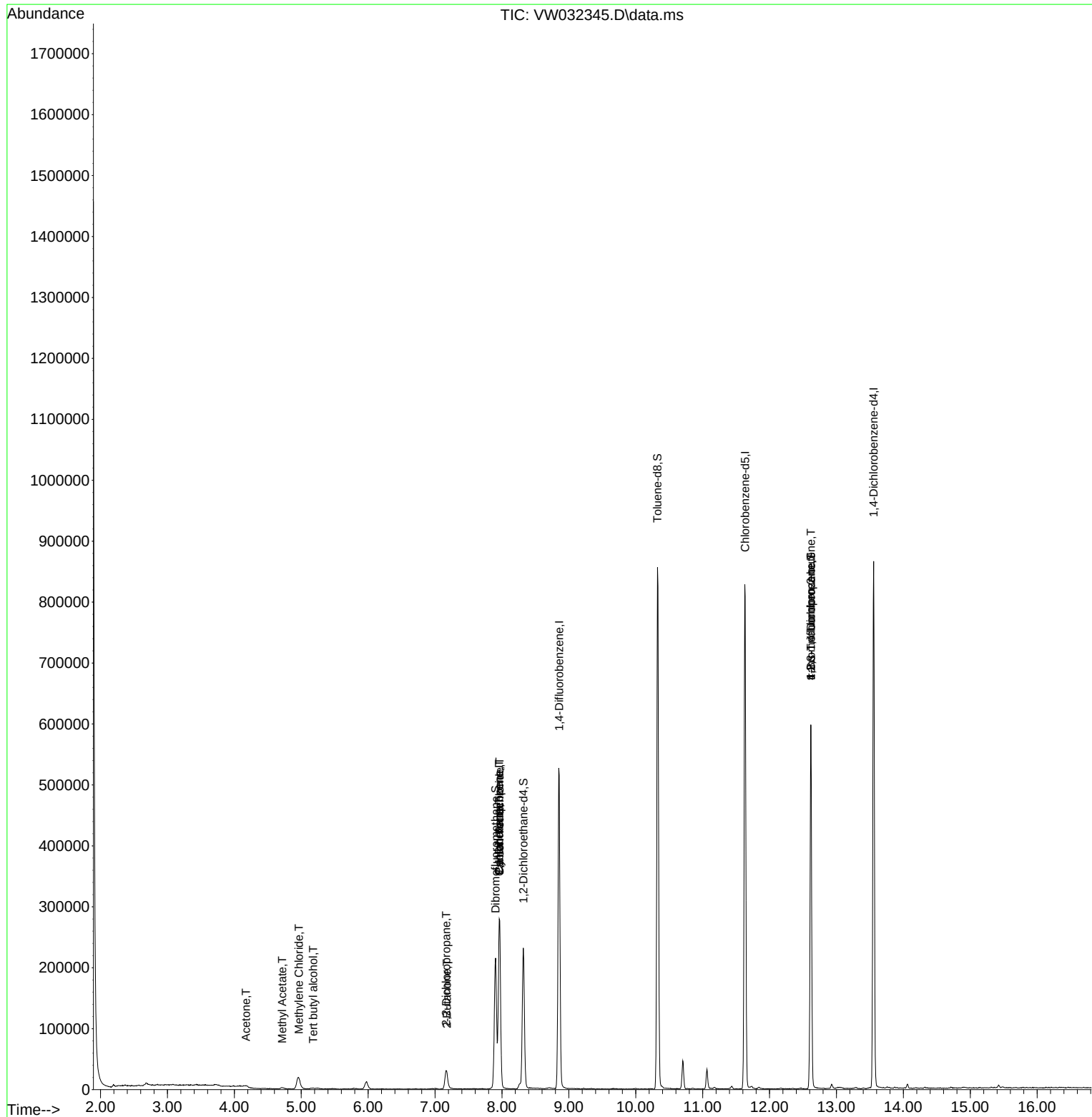
Internal Standards						
1) Pentafluorobenzene	7.959	168	196390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	436456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	450014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	219840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	192558	67.223	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 134.440%		
35) Dibromofluoromethane	7.904	113	159299	56.358	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 112.720%		
50) Toluene-d8	10.325	98	562790	53.948	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 107.900%		
62) 4-Bromofluorobenzene	12.617	95	207981	52.747	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 105.500%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.179	59	1637	7.550	ug/l #	69
16) Acetone	4.173	43	2475	3.120	ug/l	93
18) Methyl Acetate	4.716	43	4398	1.936	ug/l	96
20) Methylene Chloride	4.966	84	16987	1.258	ug/l #	88
25) 2-Butanone	7.179	43	2286	2.116	ug/l #	48
26) 2,2-Dichloropropane	7.167	77	2491	1.031	ug/l #	52
31) Cyclohexane	7.959	56	4969	1.232	ug/l #	6
36) 1,1-Dichloropropene	7.959	75	18376	4.607	ug/l #	50
38) Carbon Tetrachloride	7.965	117	22630	6.029	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	106532	36.824	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	106532	93.286	ug/l #	5

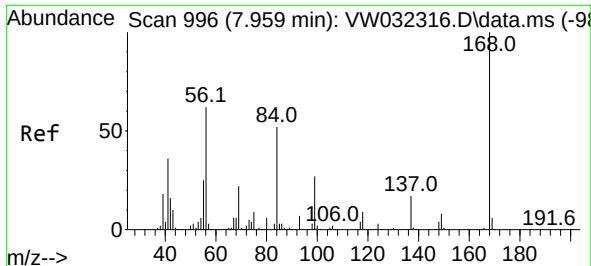
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 05:01:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

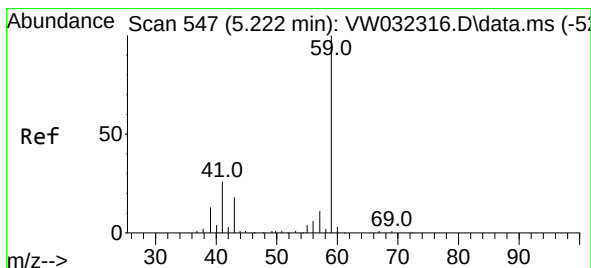
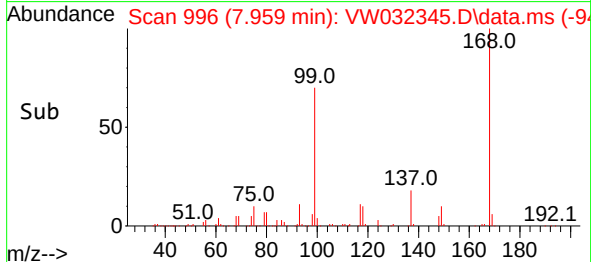
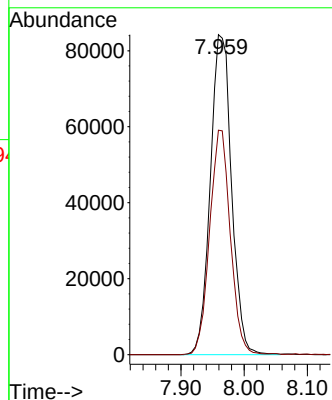
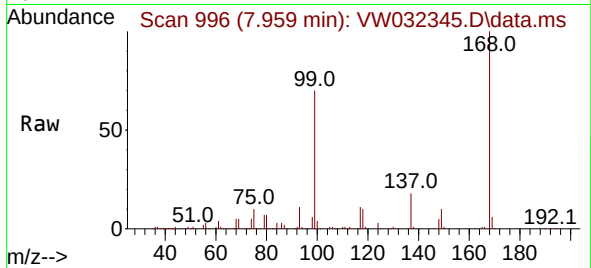




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

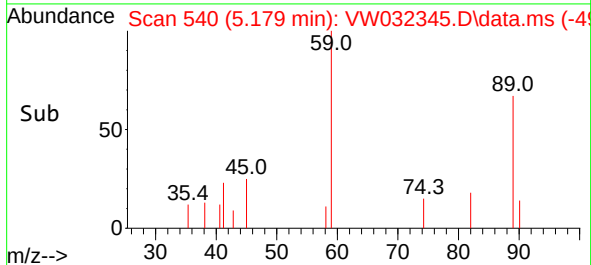
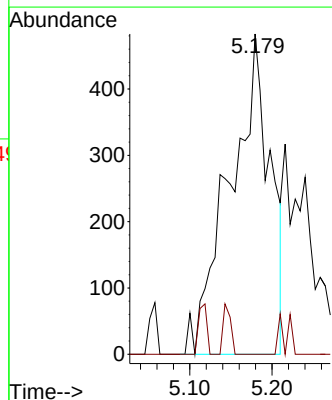
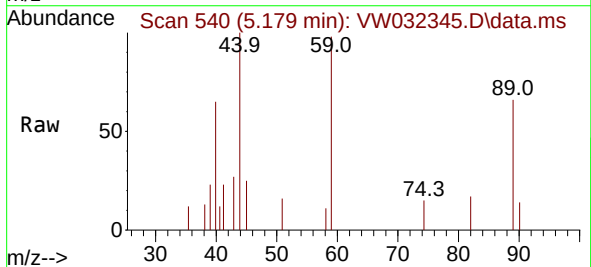
Instrument :
MSVOA_W
ClientSampleId :

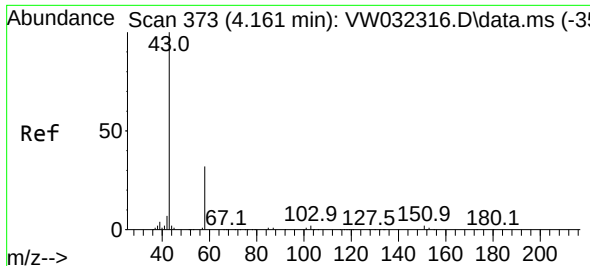
Tgt Ion:168 Resp: 196390
Ion Ratio Lower Upper
168 100
99 70.1 49.3 73.9



#11
Tert butyl alcohol
Concen: 7.550 ug/l
RT: 5.179 min Scan# 540
Delta R.T. -0.043 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion: 59 Resp: 1637
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

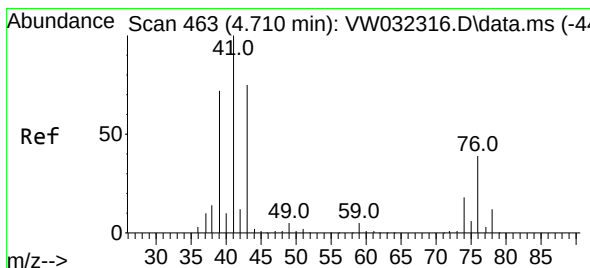
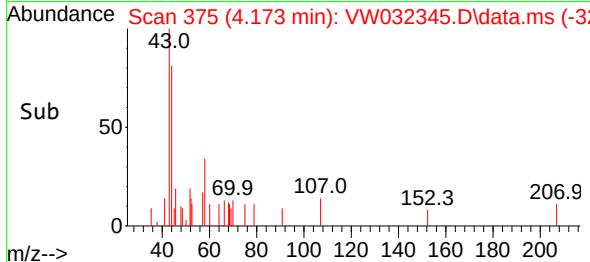
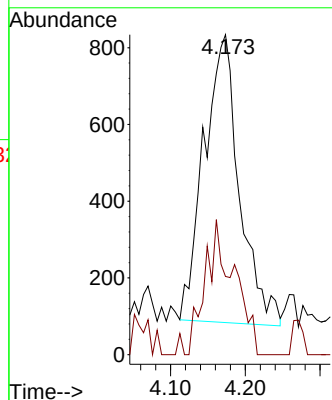
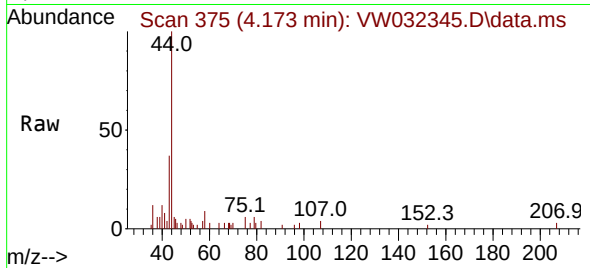




#16
Acetone
Concen: 3.120 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

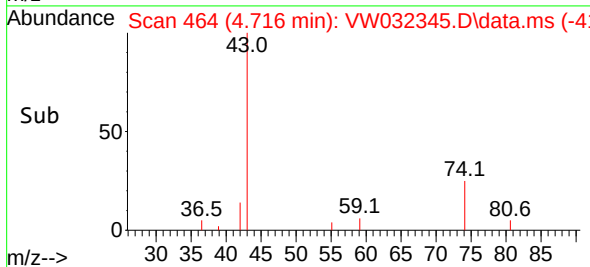
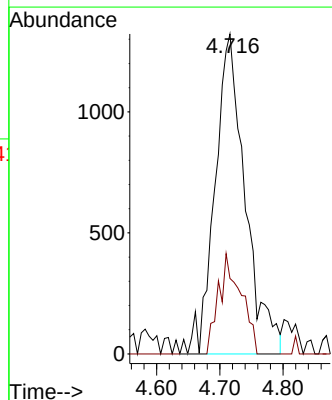
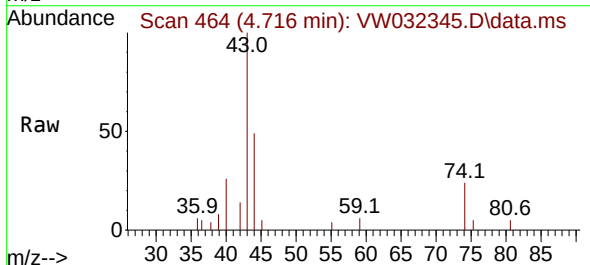
Instrument :
MSVOA_W
ClientSampleId :

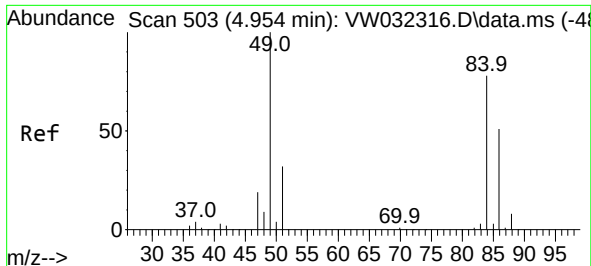
Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
58 27.5 25.3 37.9



#18
Methyl Acetate
Concen: 1.936 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

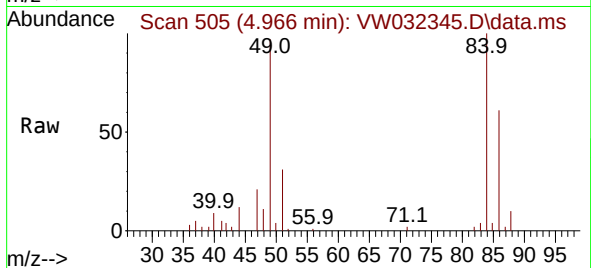
Tgt Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
74 23.3 20.2 30.4



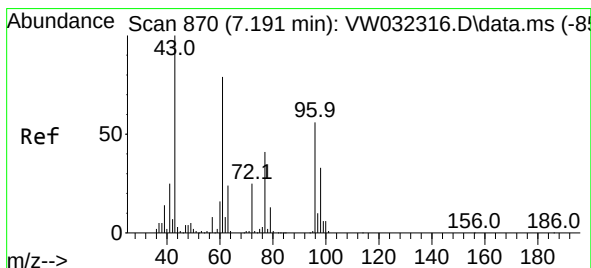
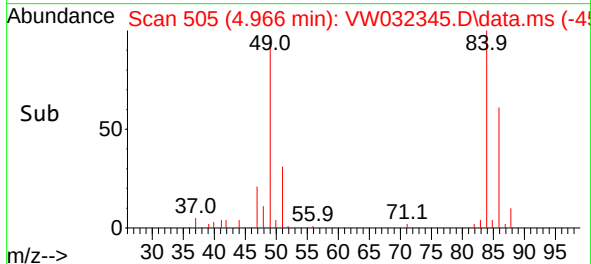
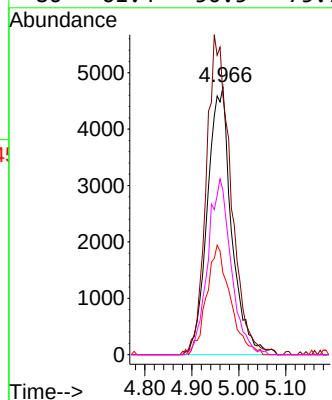


#20
Methylene Chloride
Concen: 1.258 ug/l
RT: 4.966 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Instrument :
MSVOA_W
ClientSampleId :

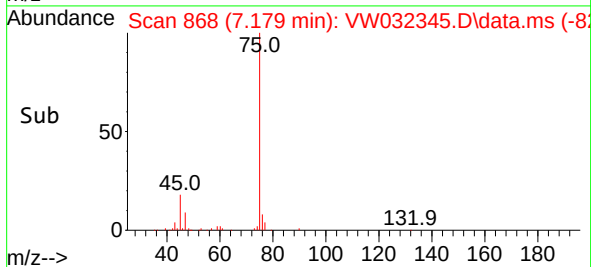
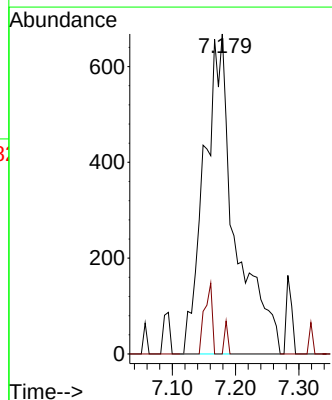
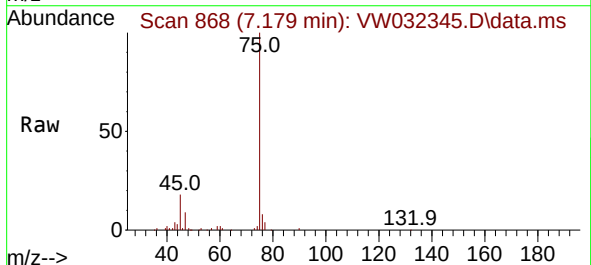


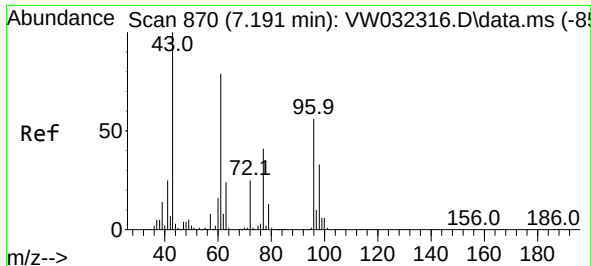
Tgt Ion:	84	Resp:	16987
Ion	Ratio	Lower	Upper
84	100		
49	96.8	92.2	138.4
51	30.5	31.0	46.6#
86	61.4	50.5	75.7



#25
2-Butanone
Concen: 2.116 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion:	43	Resp:	2286
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#

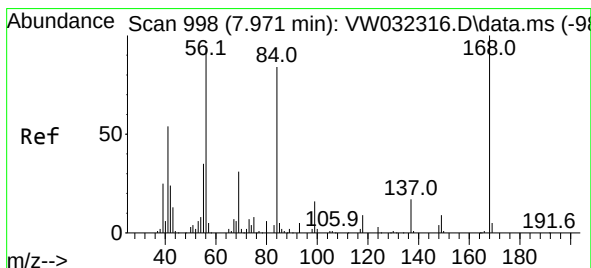
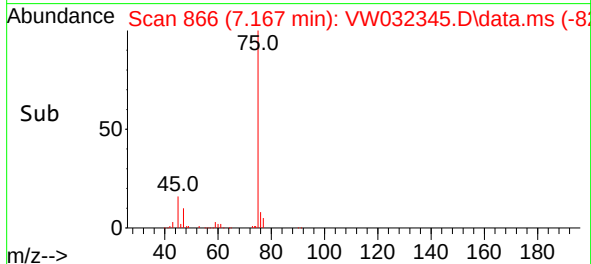
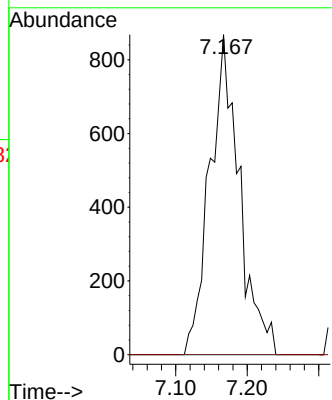
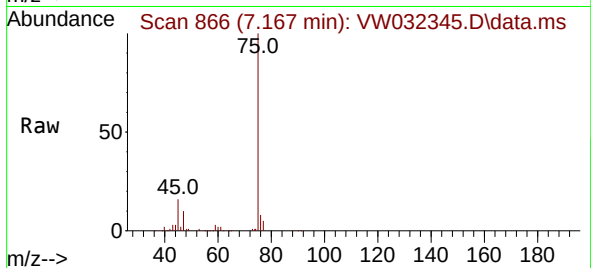




#26
2,2-Dichloropropane
Concen: 1.031 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

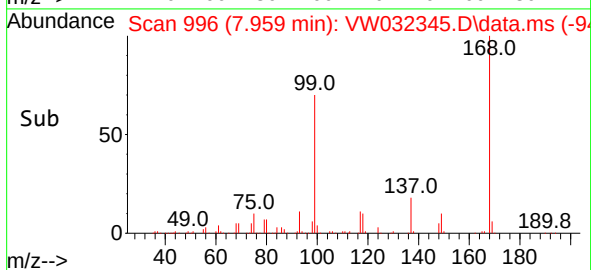
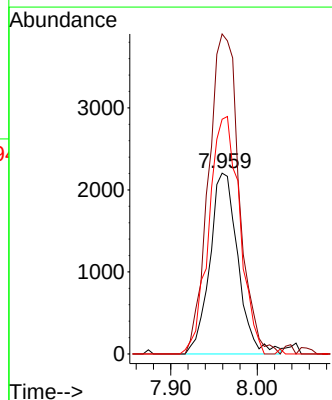
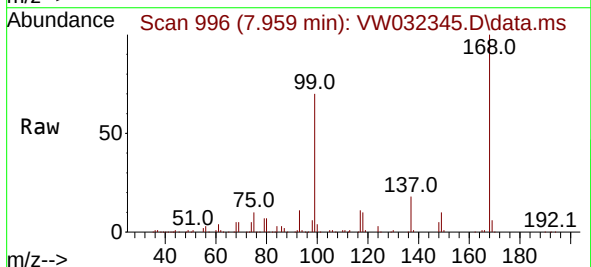
Instrument :
MSVOA_W
ClientSampleId :

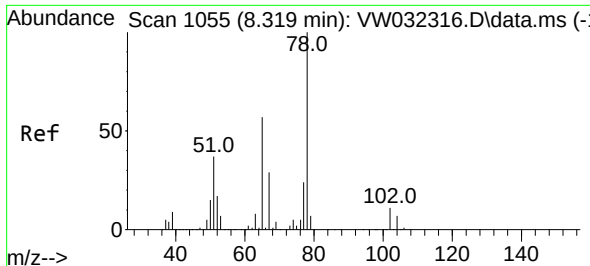
Tgt Ion: 77 Resp: 2491
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion: 56 Resp: 4969
Ion Ratio Lower Upper
56 100
69 177.0 27.7 41.5#
84 129.9 74.6 112.0#





#33

1,2-Dichloroethane-d4

Concen: 67.223 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032345.D

Acq: 03 Oct 2025 11:54

Instrument :

MSVOA_W

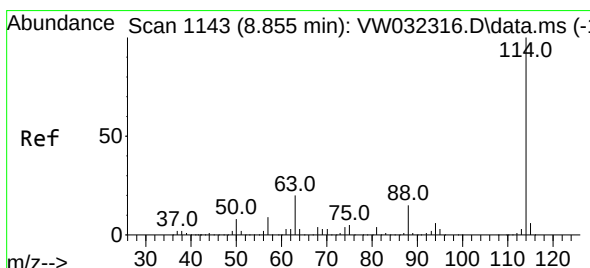
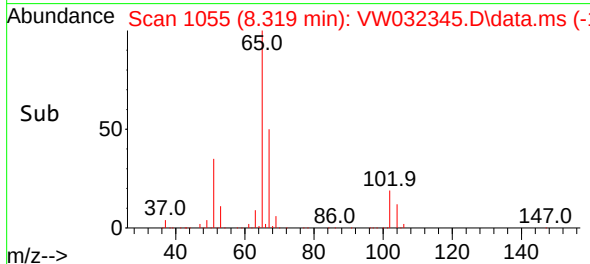
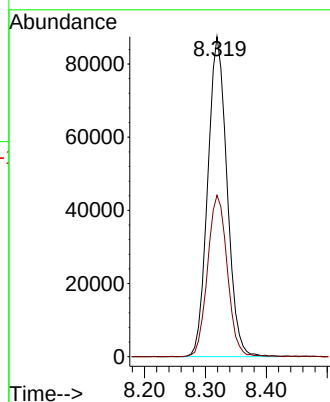
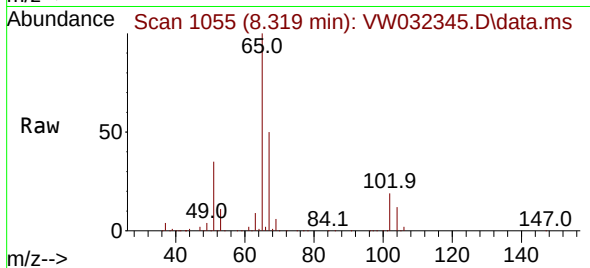
ClientSampleId :

Tgt Ion: 65 Resp: 192558

Ion Ratio Lower Upper

65 100

67 51.6 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032345.D

Acq: 03 Oct 2025 11:54

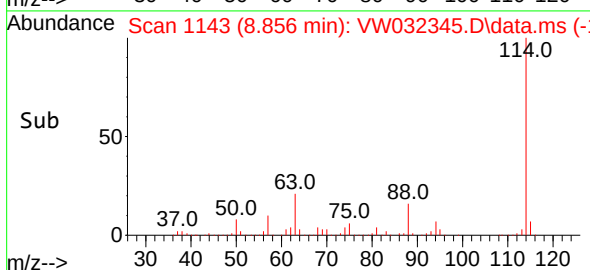
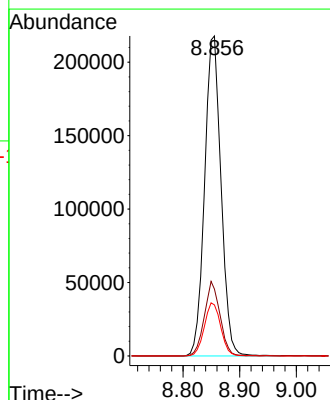
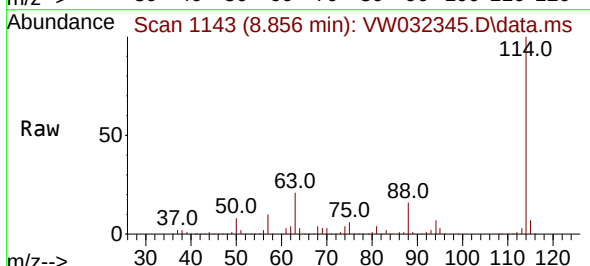
Tgt Ion: 114 Resp: 436456

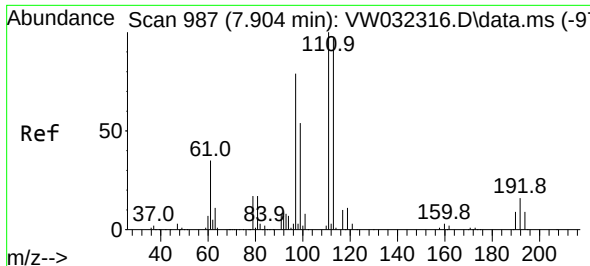
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.4

88 15.9 0.0 32.0

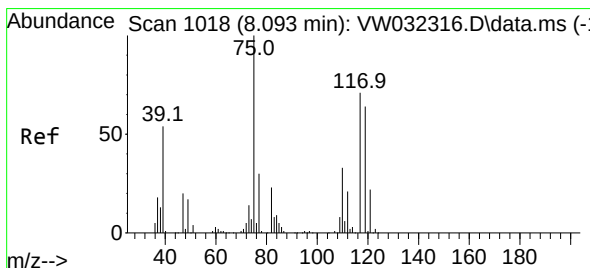
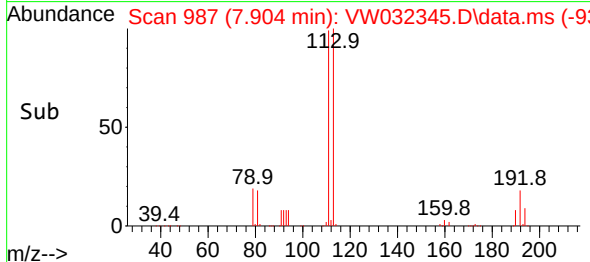
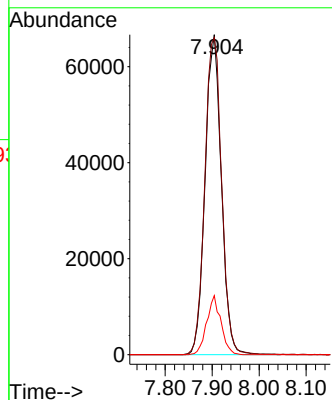
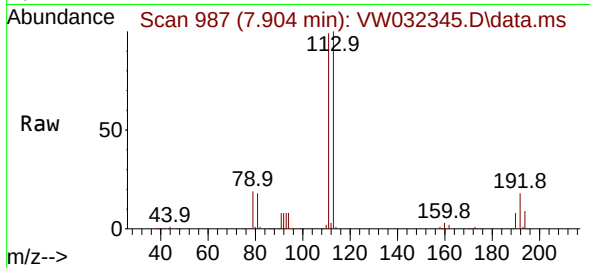




#35
Dibromofluoromethane
Concen: 56.358 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

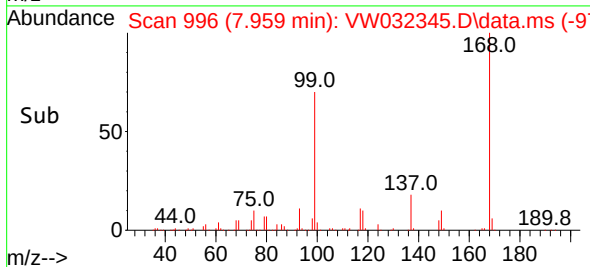
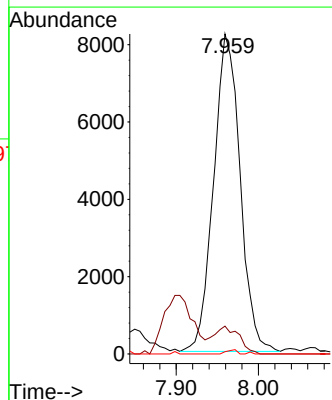
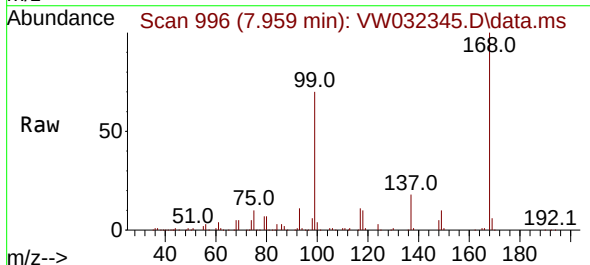
Instrument :
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ClientSampleId :

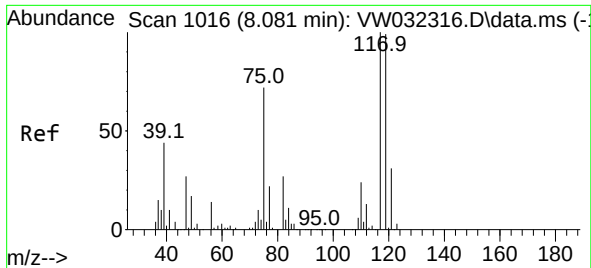
Tgt Ion:113 Resp: 159299
Ion Ratio Lower Upper
113 100
111 103.0 83.9 125.9
192 16.2 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

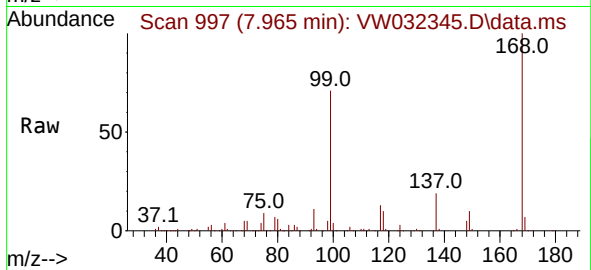
Tgt Ion: 75 Resp: 18376
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.5 24.1 36.1#



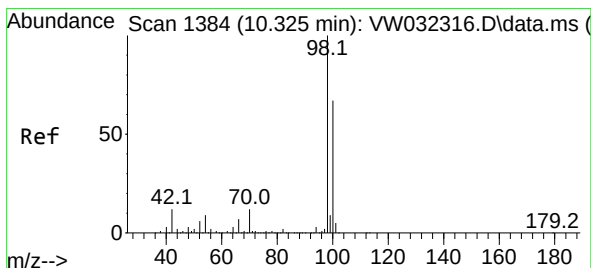
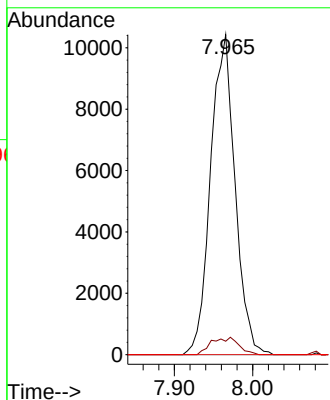
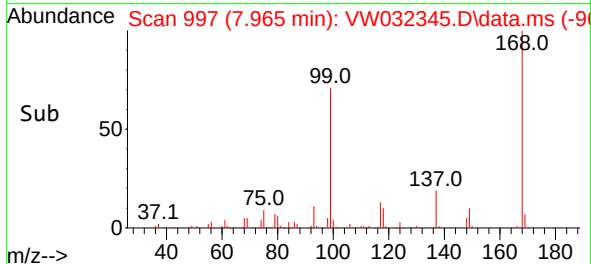


#38
Carbon Tetrachloride
Concen: 6.029 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Instrument :
MSVOA_W
ClientSampleId :

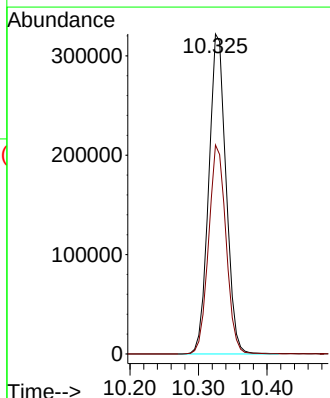
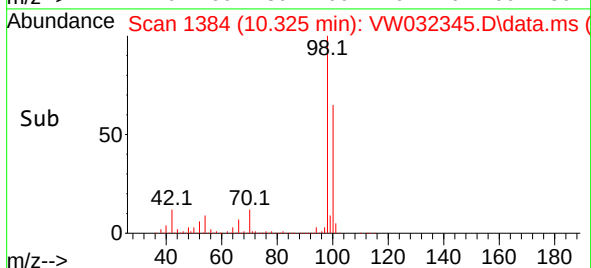
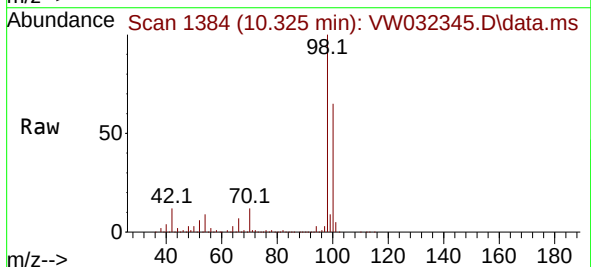


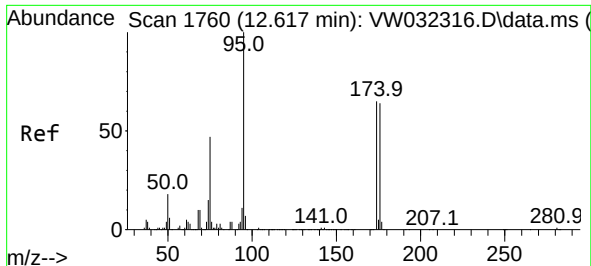
Tgt Ion:117 Resp: 22630
Ion Ratio Lower Upper
117 100
119 4.2 74.2 111.2#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 53.948 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Tgt Ion: 98 Resp: 562790
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2

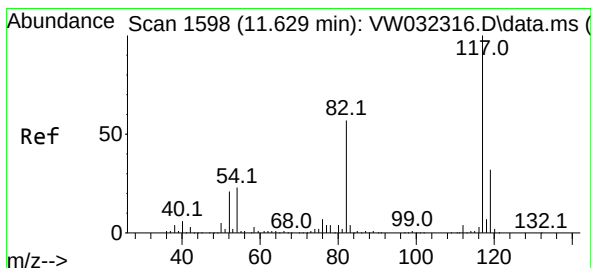
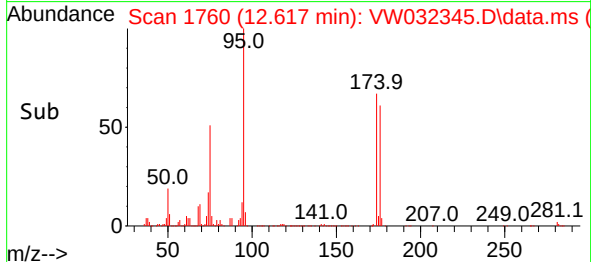
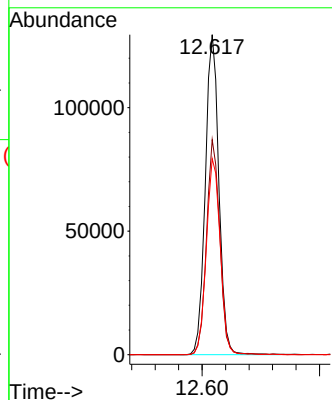
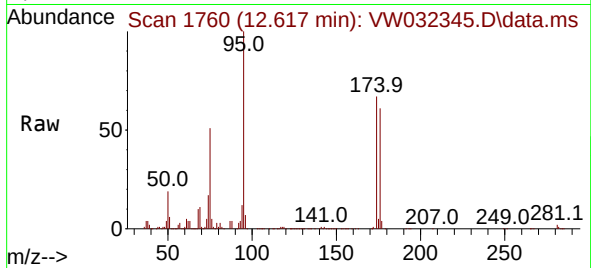




#62
4-Bromofluorobenzene
Concen: 52.747 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

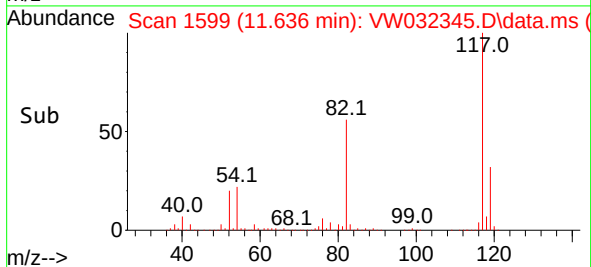
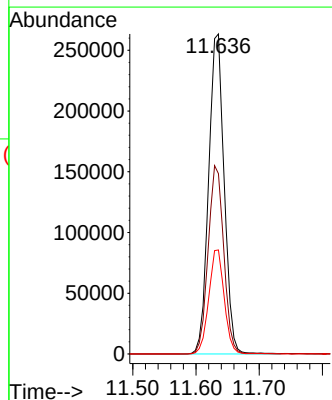
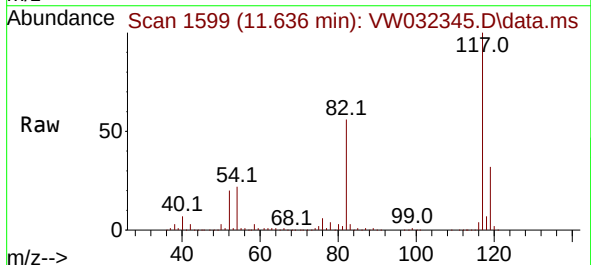
Instrument :
MSVOA_W
ClientSampleId :

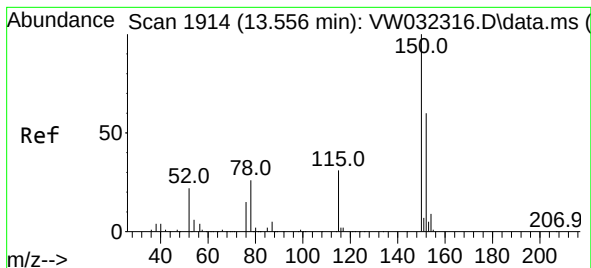
Tgt Ion: 95 Resp: 207981
Ion Ratio Lower Upper
95 100
174 65.8 0.0 145.6
176 62.6 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

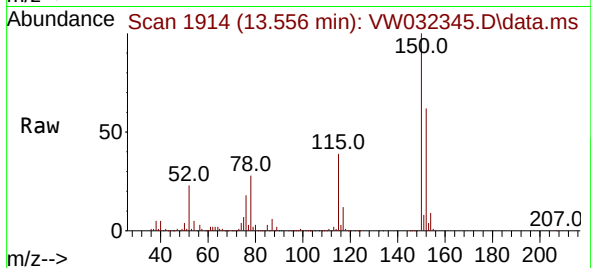
Tgt Ion: 117 Resp: 450014
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 32.5 25.2 37.8



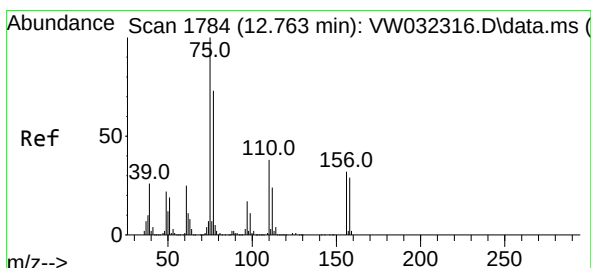
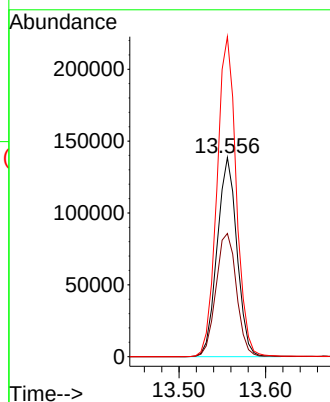
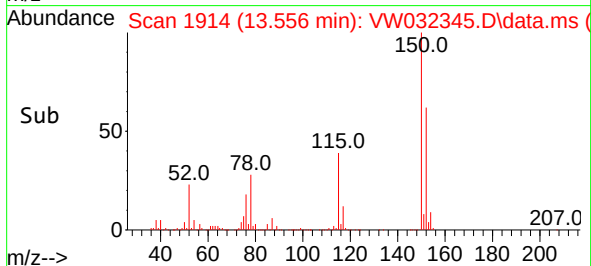


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032345.D
 Acq: 03 Oct 2025 11:54

Instrument :
 MSVOA_W
 ClientSampleId :

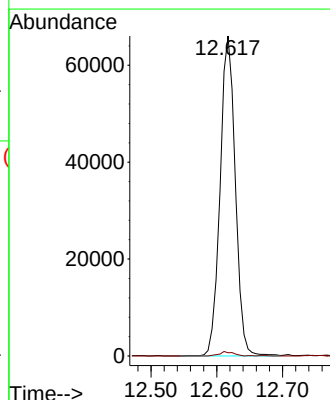
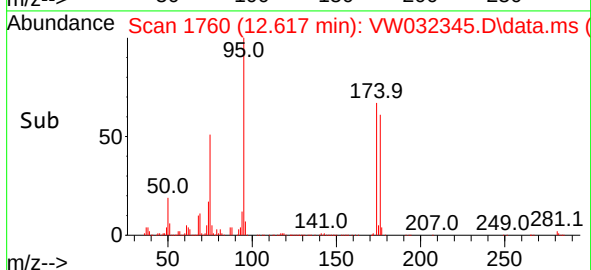
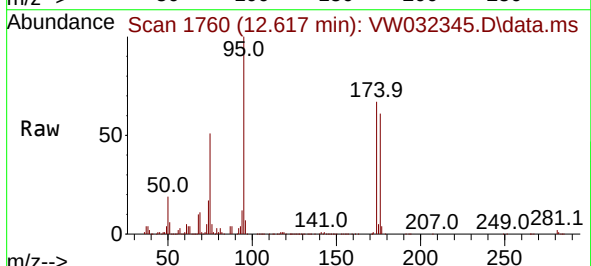


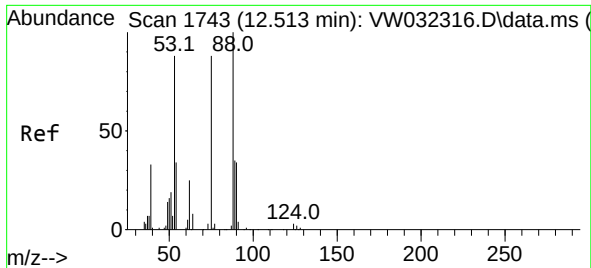
Tgt Ion:152 Resp: 219840
 Ion Ratio Lower Upper
 152 100
 115 64.5 31.8 95.4
 150 157.4 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 36.824 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032345.D
 Acq: 03 Oct 2025 11:54

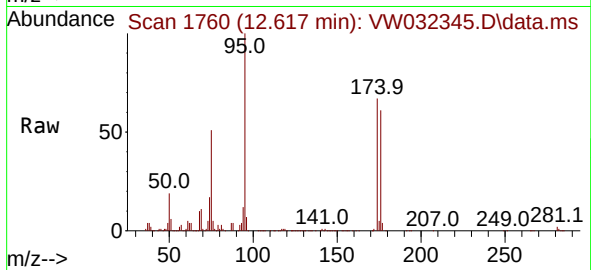
Tgt Ion: 75 Resp: 106532
 Ion Ratio Lower Upper
 75 100
 77 1.3 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 93.286 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032345.D
Acq: 03 Oct 2025 11:54

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 106532
Ion Ratio Lower Upper
75 100
53 0.1 91.0 136.6#
89 0.0 39.4 59.2#

