Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
Data File : VY022625.D
Acq On : 09 Jun 2025 13:13
Operator : SY/MD
Sample : Q2223-03
Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Quant Time: Jun 10 01:28:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	9216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	16041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	12637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5996	58.171	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.340%			
35) Dibromofluoromethane	7.634	113	3385	35.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 70.700%			
50) Toluene-d8	10.109	98	18773	48.525	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.040%			
62) 4-Bromofluorobenzene	12.408	95	4447	38.579	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.160%			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	525	2.154	ug/l	94
5) Bromomethane	2.611	94	351	1.295	ug/l	86
10) Methyl Iodide	4.019	142	297	2.714	ug/l #	83
11) Tert butyl alcohol	4.903	59	22	2.988	ug/l #	73
13) Acrolein	3.751	56	19	2.071	ug/l #	14
15) Acrylonitrile	5.141	53	35	1.529	ug/l #	66
16) Acetone	3.860	43	174	8.312	ug/l #	45
18) Methyl Acetate	4.379	43	78	1.258	ug/l #	51
25) 2-Butanone	6.903	43	110	3.643	ug/l #	46
29) Tetrahydrofuran	7.268	42	21	1.078	ug/l #	31
31) Cyclohexane	7.701	56	245	1.237	ug/l #	45
36) 1,1-Dichloropropene	7.701	75	886	5.702	ug/l #	44
38) Carbon Tetrachloride	7.713	117	1077	6.756	ug/l #	13
41) Methacrylonitrile	7.213	41	110	2.718	ug/l #	20
51) 4-Methyl-2-Pentanone	9.920	43	130	1.742	ug/l	97
59) 2-Hexanone	10.774	43	109	2.184	ug/l #	24
64) Tetrachloroethene	10.658	164	235	2.162	ug/l #	41
71) Bromoform	12.194	173	57	1.137	ug/l #	29
74) N-amyl acetate	12.078	43	263	4.390	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.499	83	192	4.927	ug/l #	25
76) 1,2,3-Trichloropropane	12.402	75	2787	84.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	2787	203.425	ug/l #	10
82) 4-Chlorotoluene	12.761	91	395	2.491	ug/l #	41
83) tert-Butylbenzene	13.237	119	281	1.680	ug/l	83
89) n-Butylbenzene	13.584	91	221	1.103	ug/l #	1
90) Hexachloroethane	13.877	117	121	2.943	ug/l #	16
95) Naphthalene	15.151	128	226	2.505	ug/l #	69

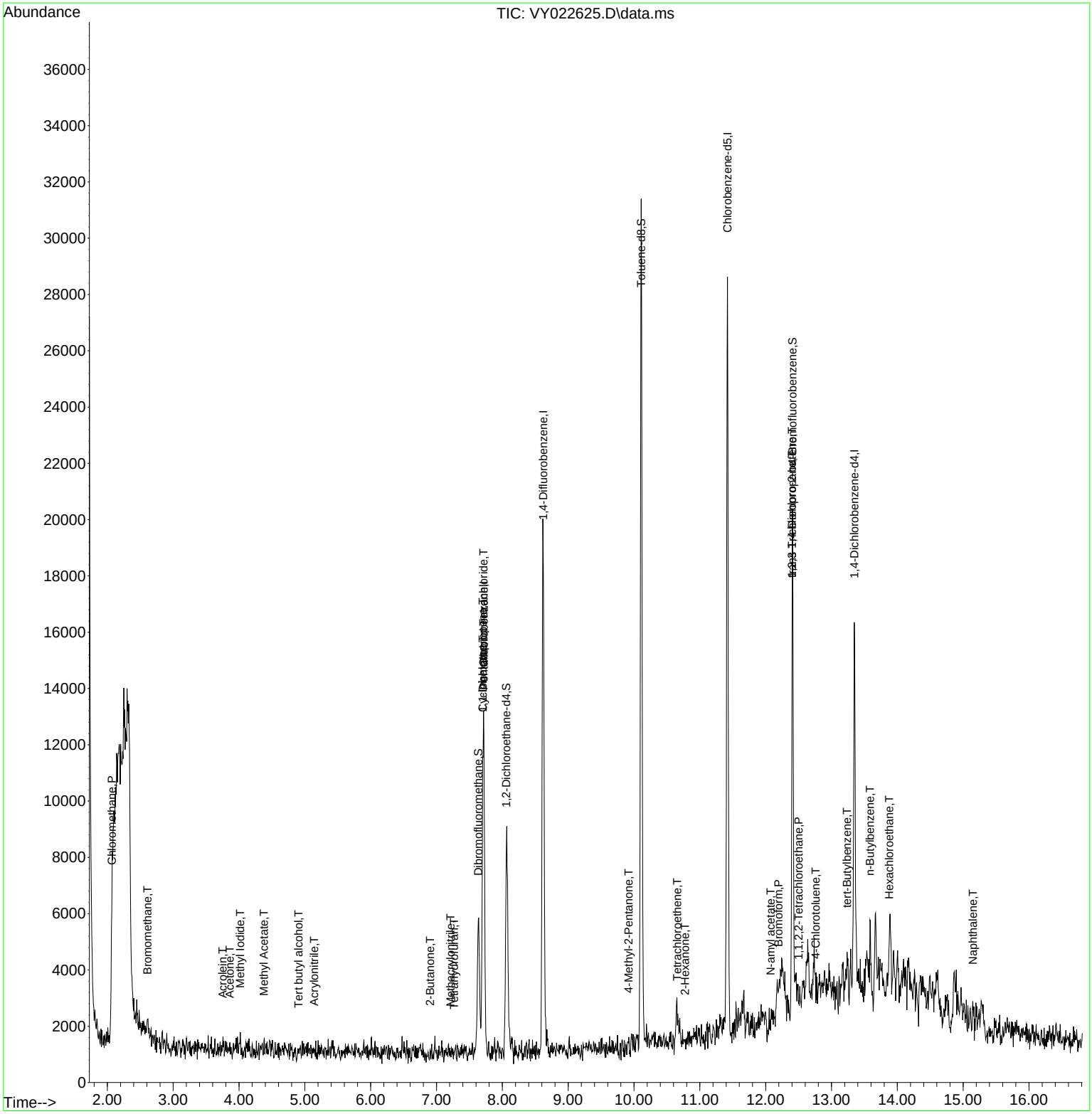
(#) = qualifier out of range (m) = manual integration (+) = signals summed

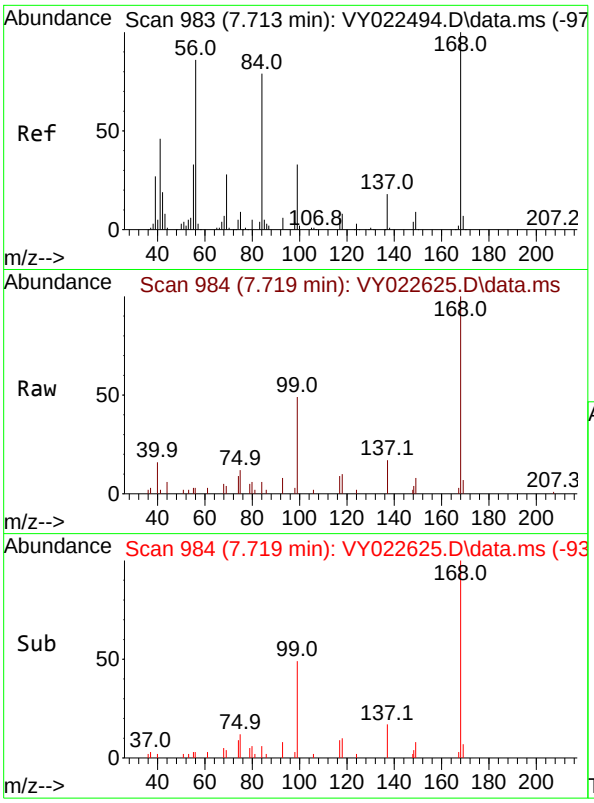
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
Data File : VY022625.D
Acq On : 09 Jun 2025 13:13
Operator : SY/MD
Sample : Q2223-03
Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Quant Time: Jun 10 01:28:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



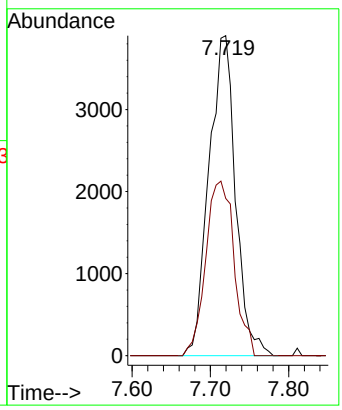


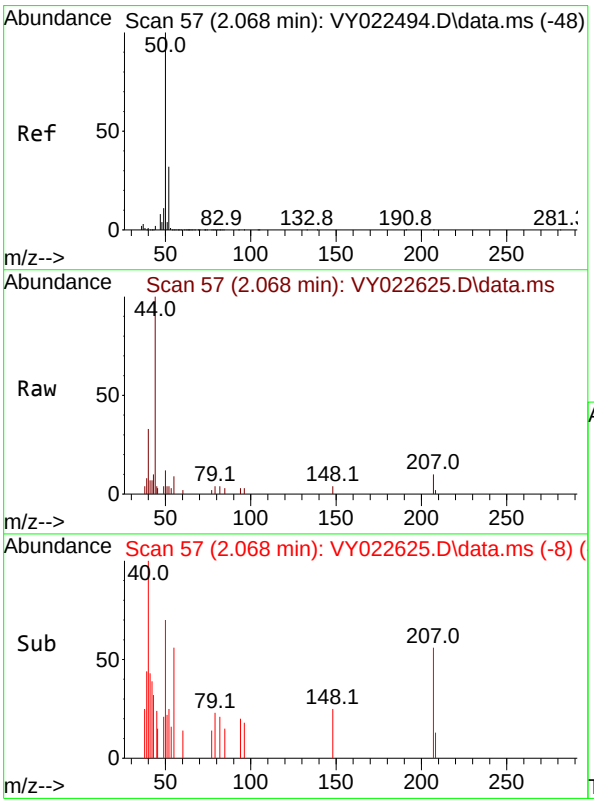
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:168 Resp: 9216

Ion	Ratio	Lower	Upper
168	100		
99	49.1	44.3	66.5

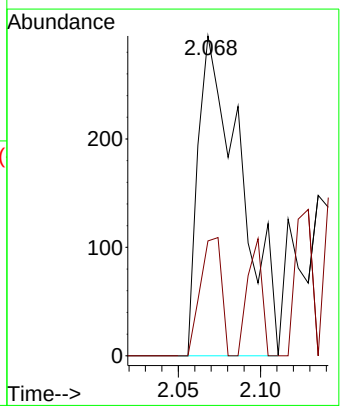


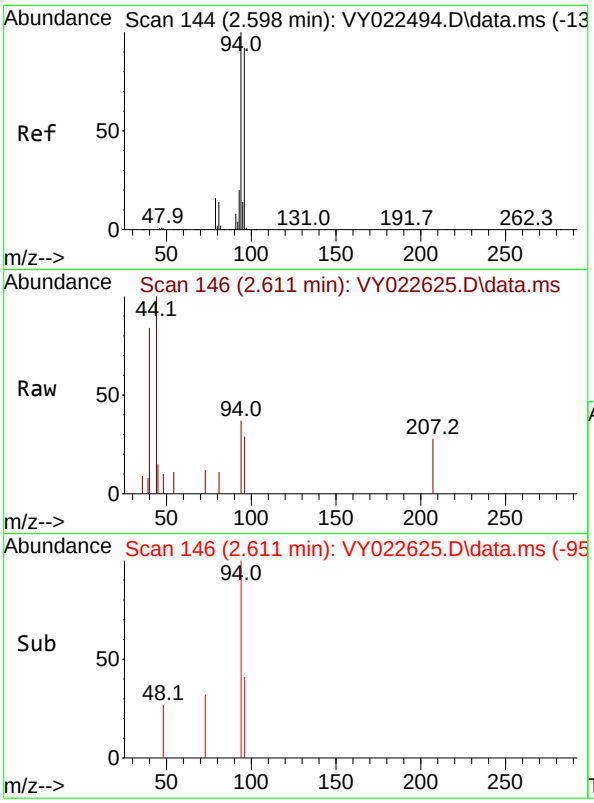


#3
Chloromethane
Concen: 2.154 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 50 Resp: 525

Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.0	39.0



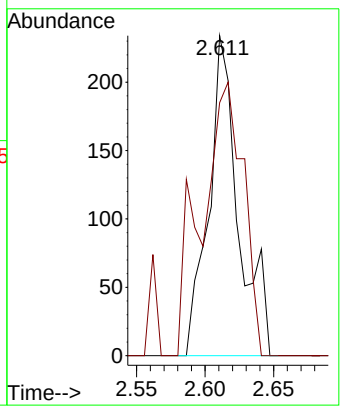


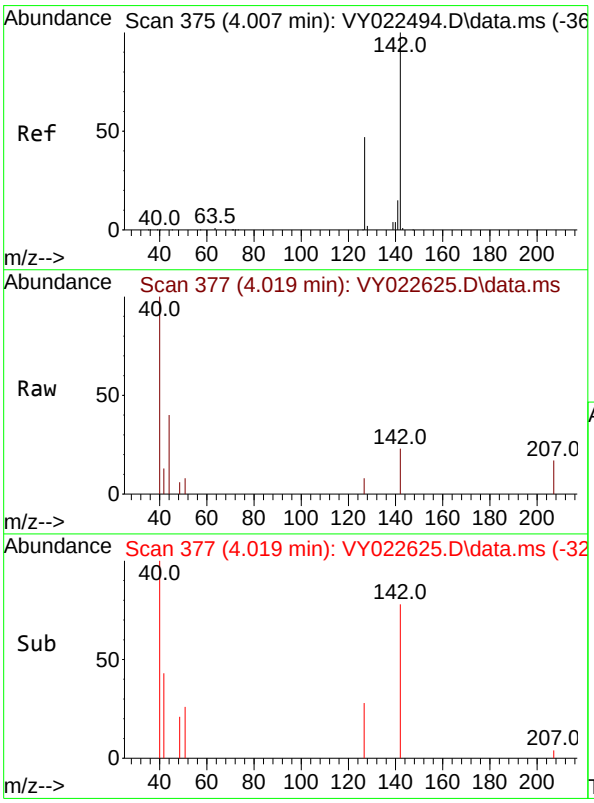
#5
Bromomethane
Concen: 1.295 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 94 Resp: 351

Ion	Ratio	Lower	Upper
94	100		
96	79.1	74.0	111.0

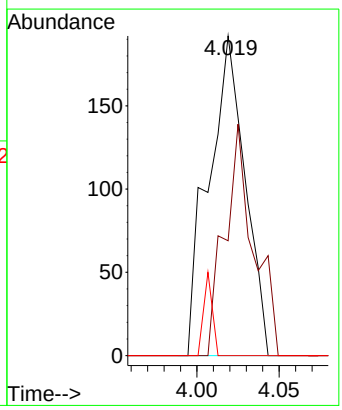


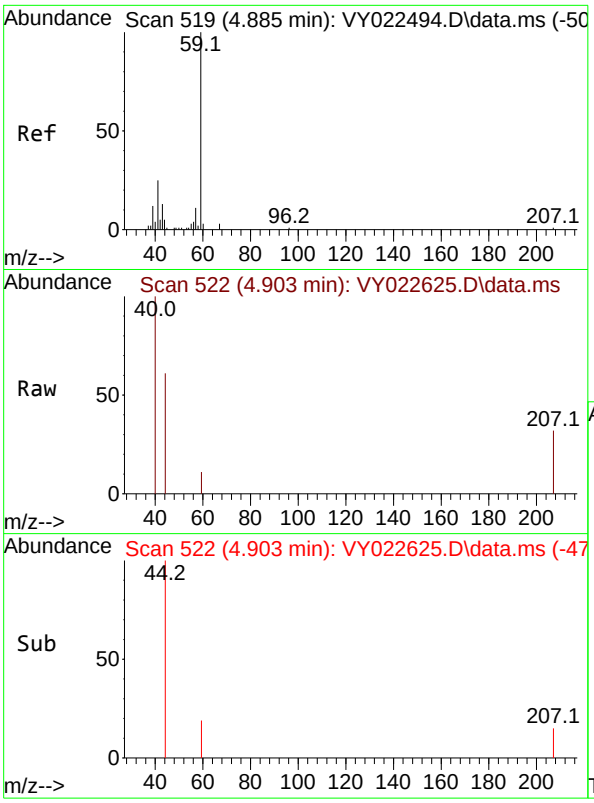


#10
Methyl Iodide
Concen: 2.714 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion:142 Resp: 297

Ion	Ratio	Lower	Upper
142	100		
127	56.9	37.1	55.7#
141	6.1	11.4	17.2#



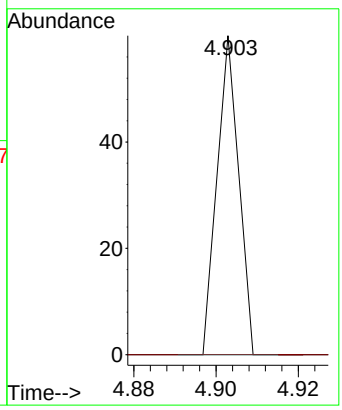


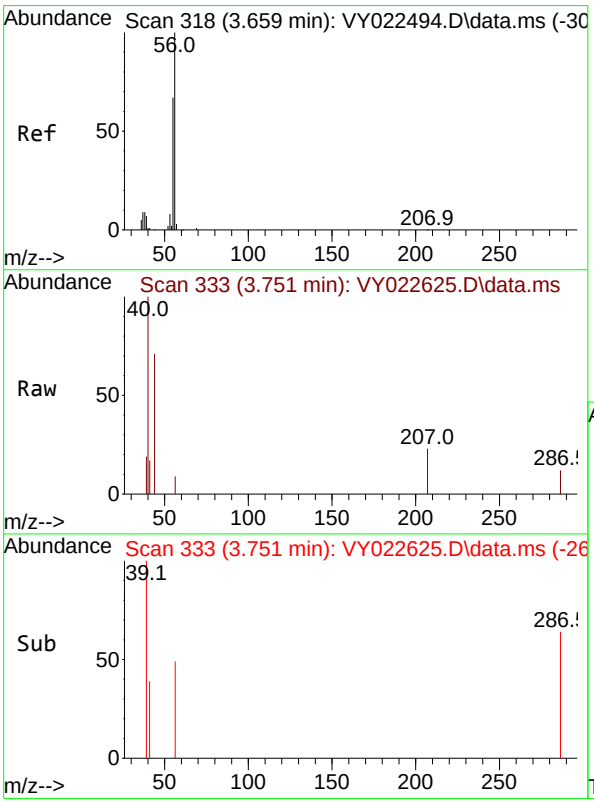
#11
Tert butyl alcohol
Concen: 2.988 ug/l
RT: 4.903 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 59 Resp: 22

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

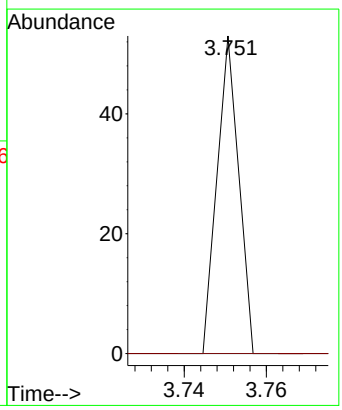


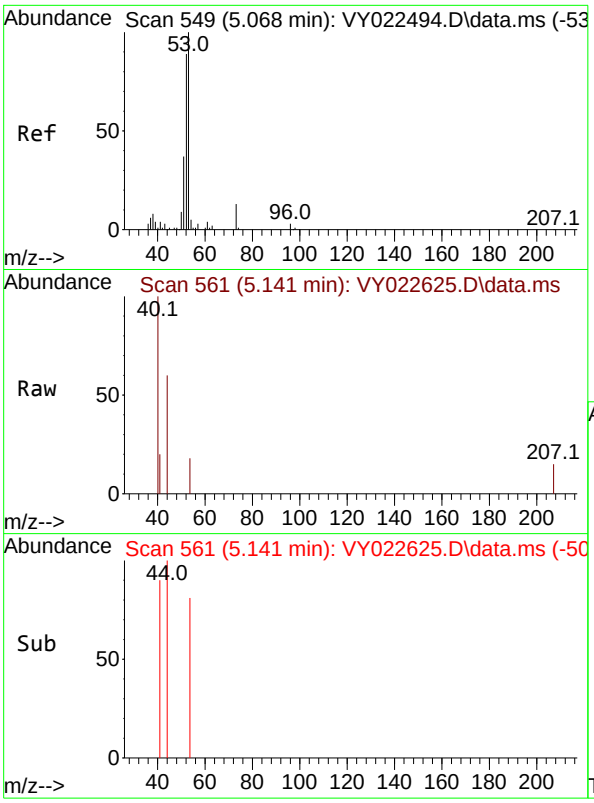


#13
Acrolein
Concen: 2.071 ug/l
RT: 3.751 min Scan# 333
Delta R.T. 0.091 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 56 Resp: 19

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.0	85.6#



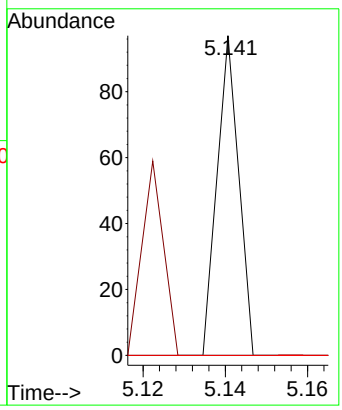


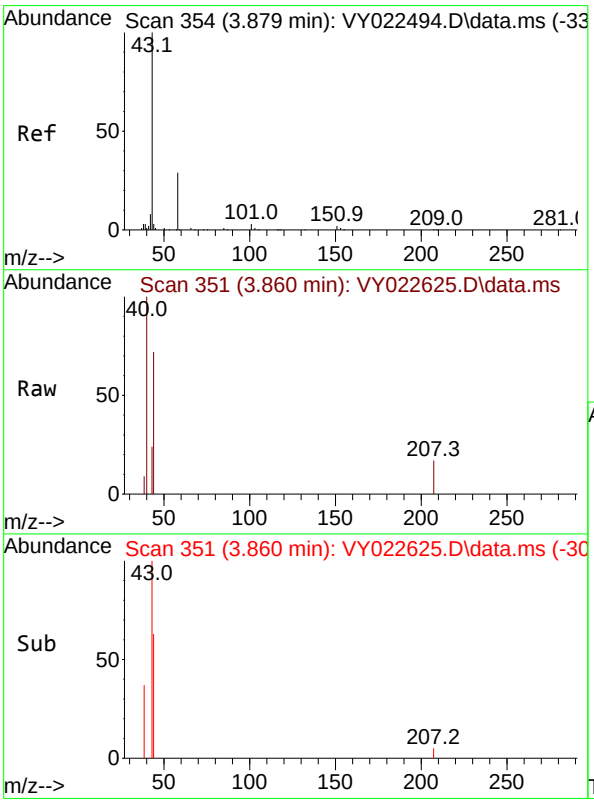
#15
Acrylonitrile
Concen: 1.529 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.073 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 53 Resp: 35

Ion	Ratio	Lower	Upper
53	100		
52	62.9	65.7	98.5#
51	0.0	30.1	45.1#

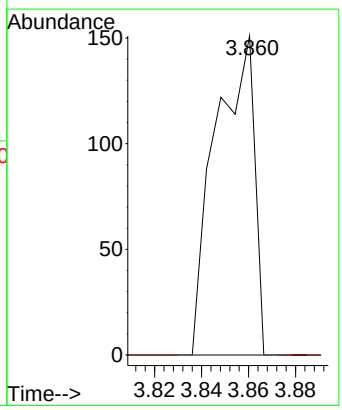


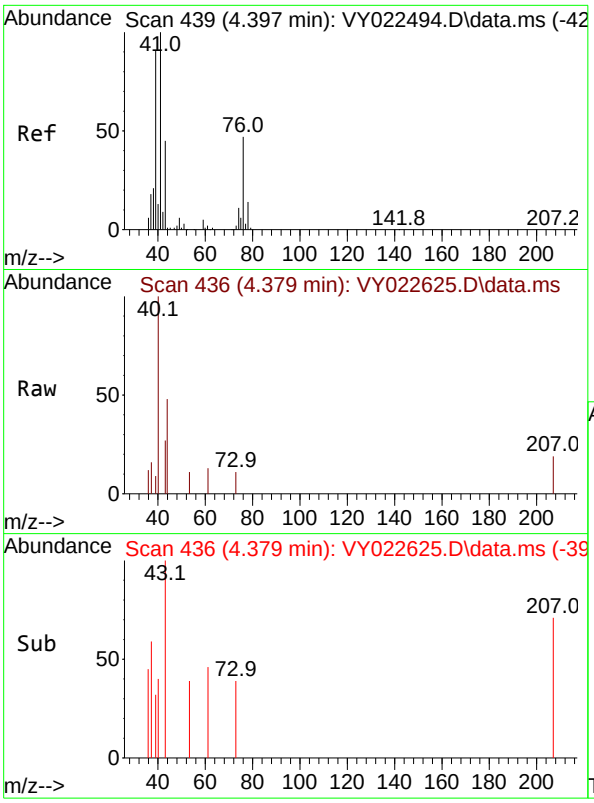


#16
Acetone
Concen: 8.312 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 43 Resp: 174

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.0	36.0#



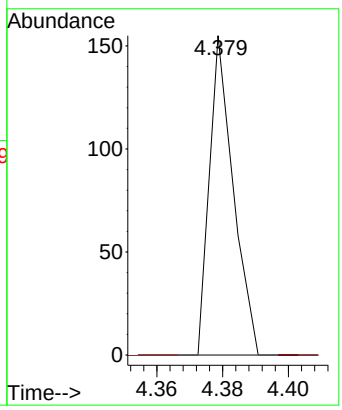


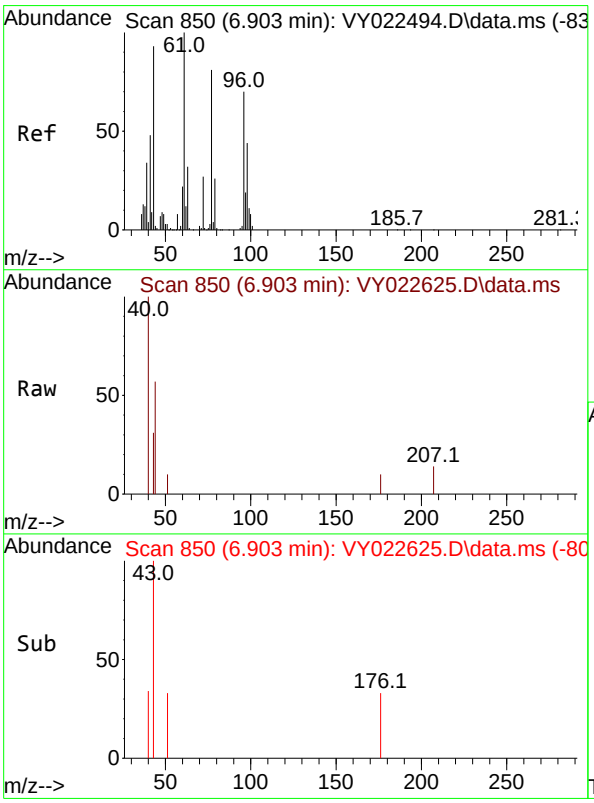
#18
Methyl Acetate
Concen: 1.258 ug/l
RT: 4.379 min Scan# 4
Delta R.T. -0.018 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 43 Resp: 78

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.8	29.6#

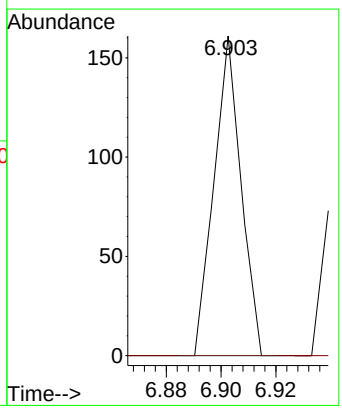


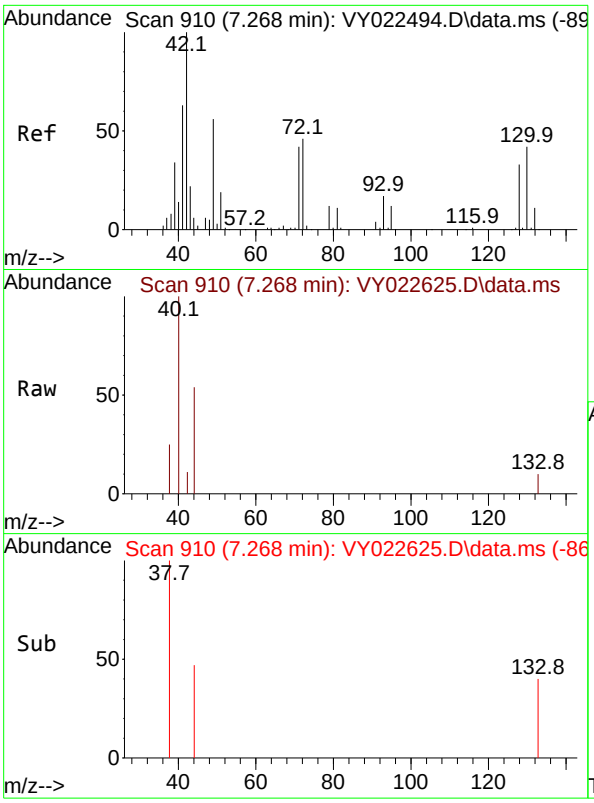


#25
2-Butanone
Concen: 3.643 ug/l
RT: 6.903 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 43 Resp: 110

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.9	34.3#



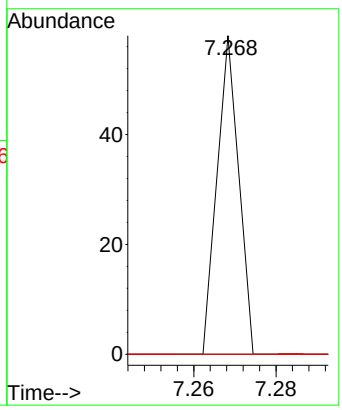


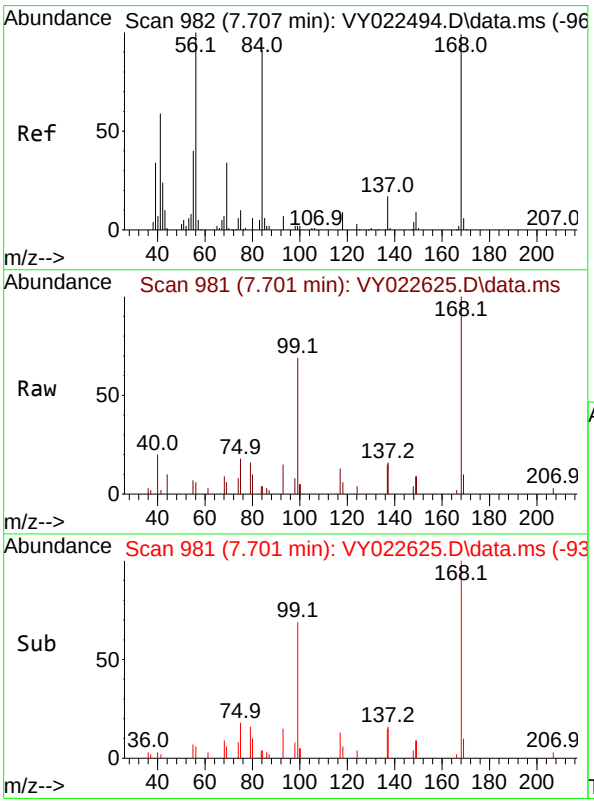
#29
Tetrahydrofuran
Concen: 1.078 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 42 Resp: 21

Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.4	56.2#
71	0.0	34.2	51.2#

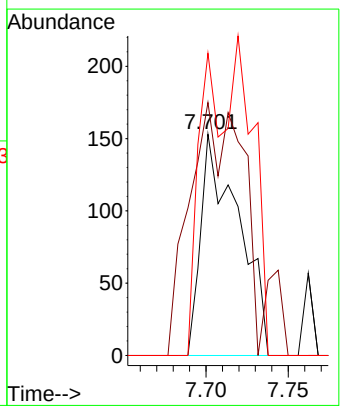


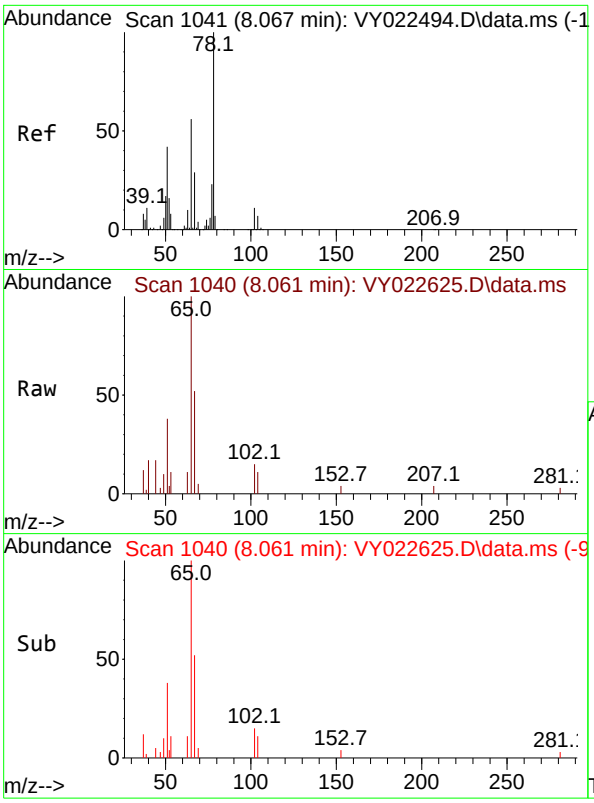


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 56 Resp: 245

Ion	Ratio	Lower	Upper
56	100		
69	75.8	27.0	40.6#
84	136.6	72.6	109.0#



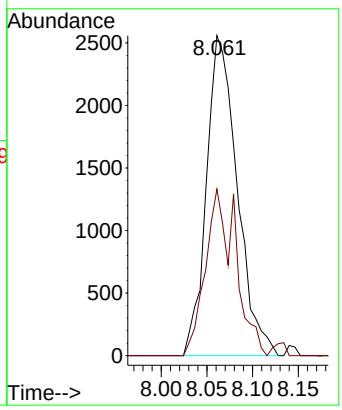


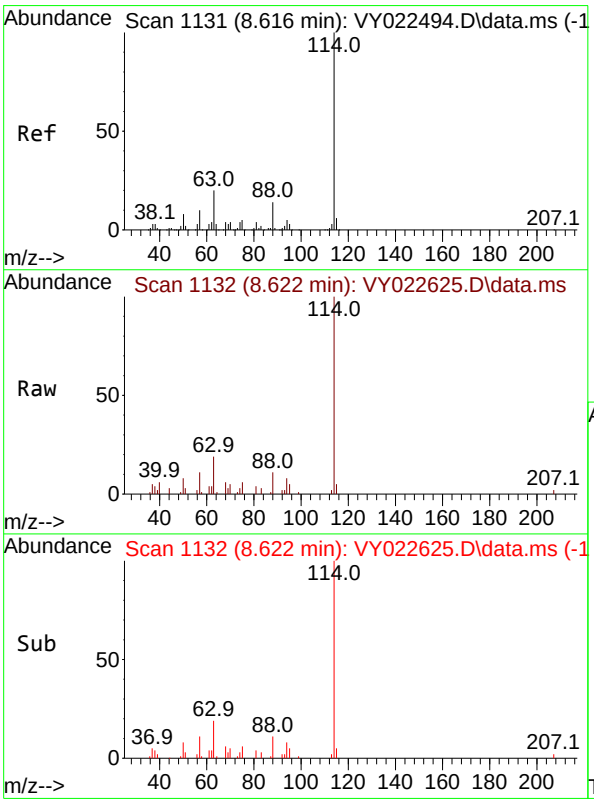
#33
1,2-Dichloroethane-d4
Concen: 58.171 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 65 Resp: 5996

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.4

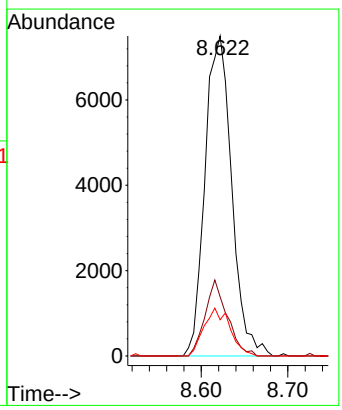


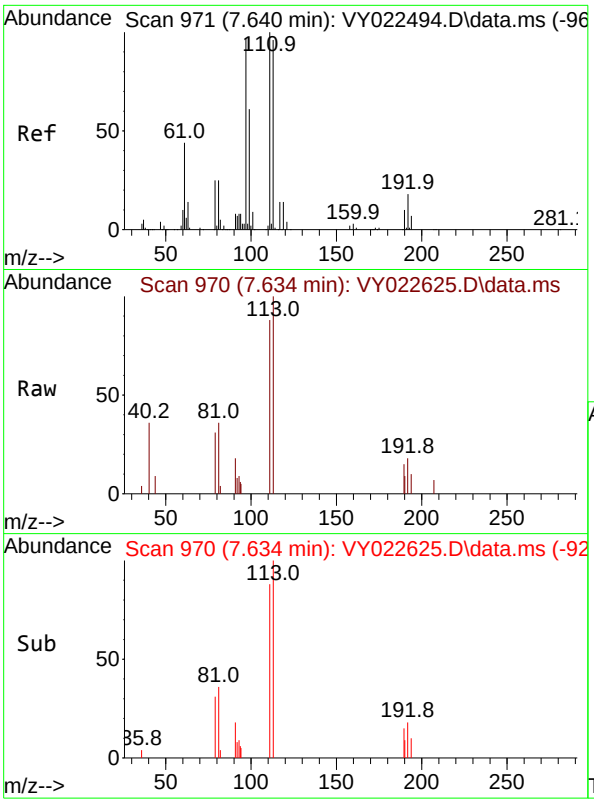


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion:114 Resp: 16041

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.8
88	11.3	0.0	27.8



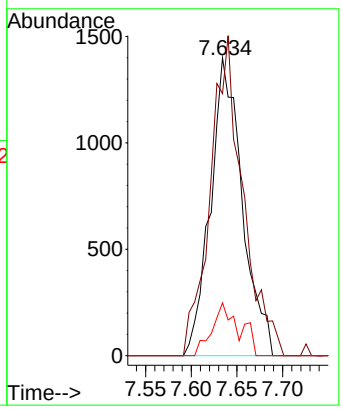


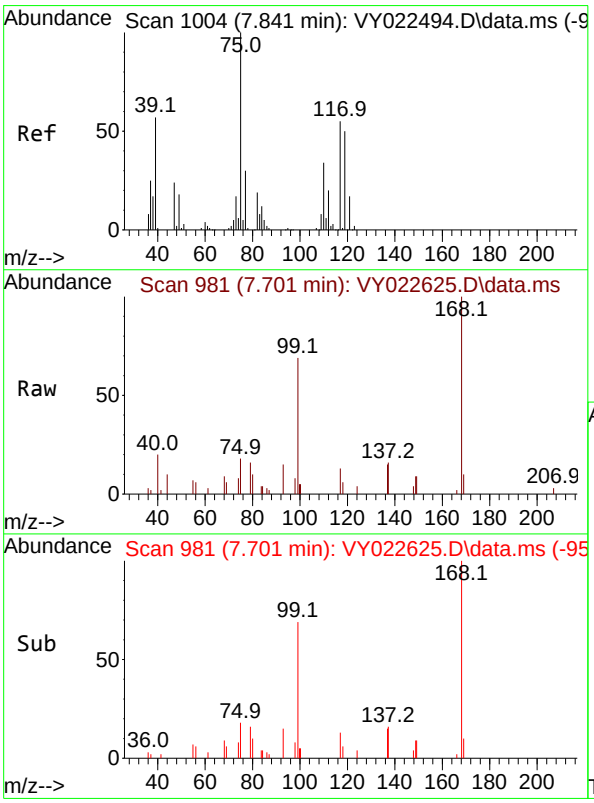
#35
Dibromofluoromethane
Concen: 35.354 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:113 Resp: 3385

Ion	Ratio	Lower	Upper
113	100		
111	110.2	81.1	121.7
192	15.1	14.2	21.2

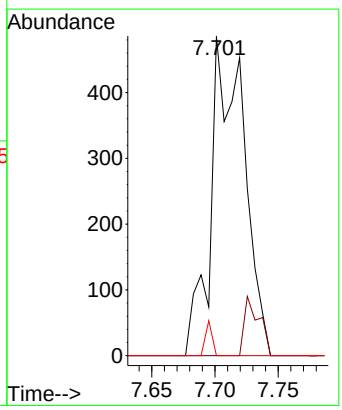


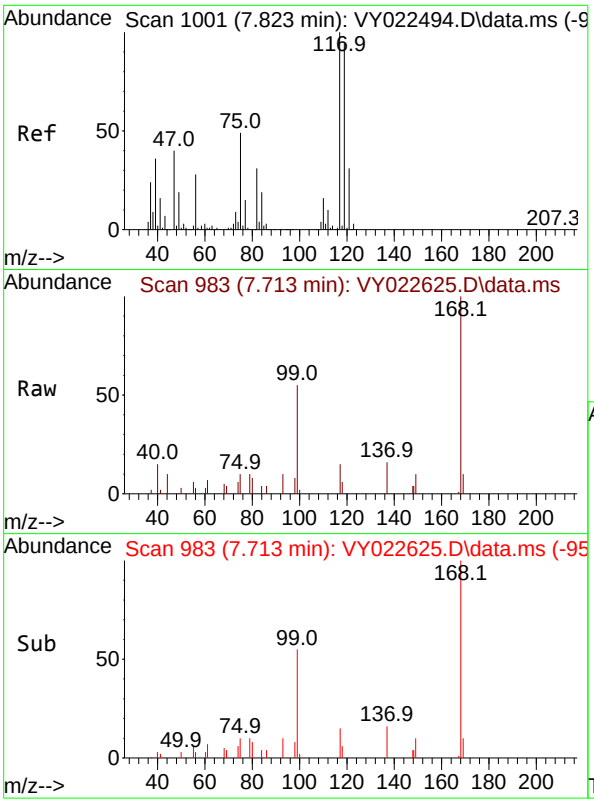


#36
1,1-Dichloropropene
Concen: 5.702 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 75 Resp: 886

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.9	50.7#
77	2.1	24.8	37.2#



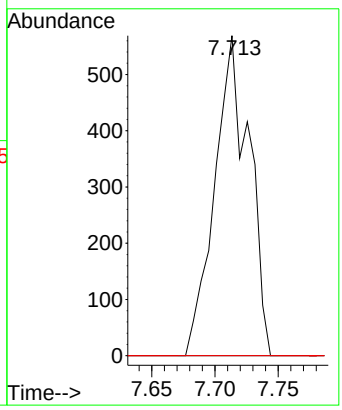


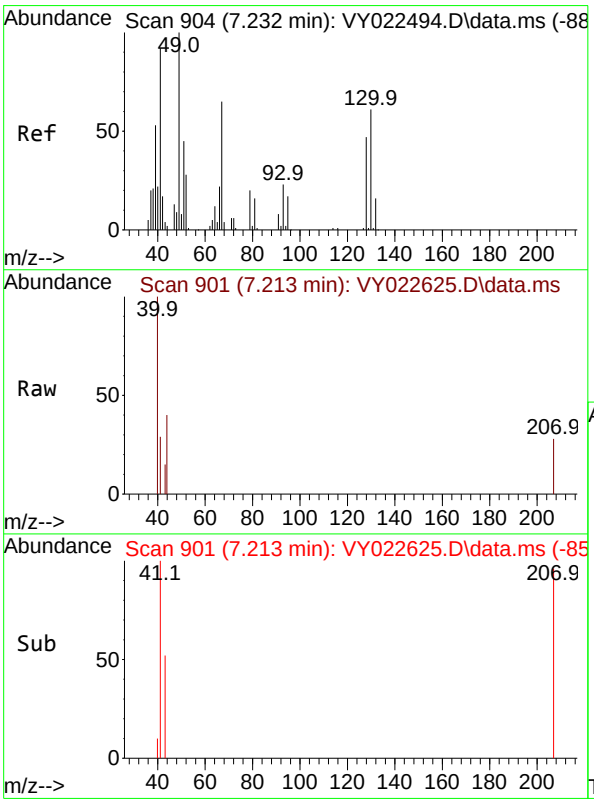
#38
Carbon Tetrachloride
Concen: 6.756 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.110 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:117 Resp: 1077

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.0	112.6#
121	0.0	25.0	37.4#

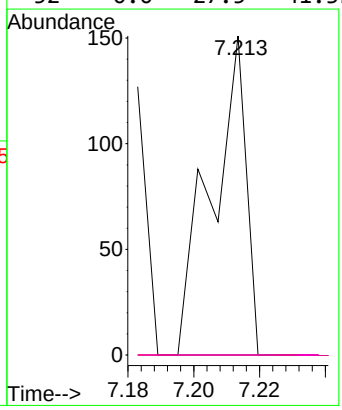


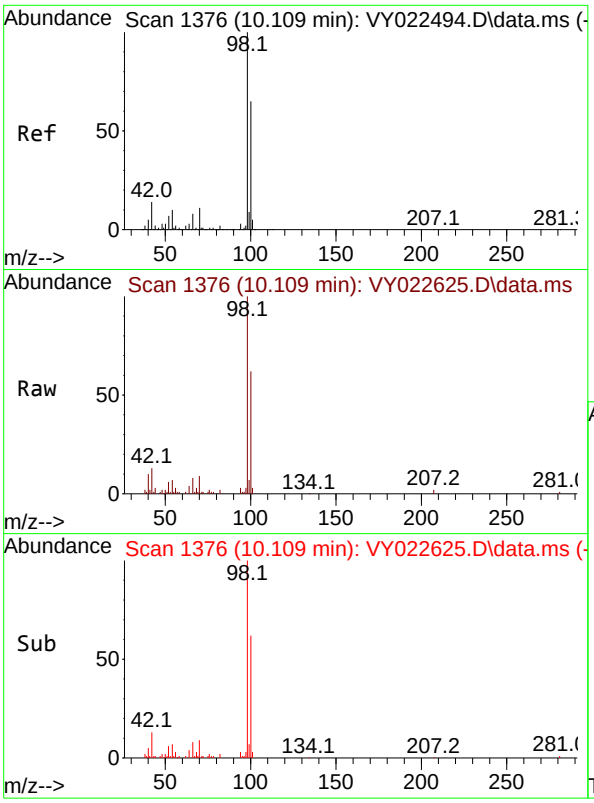


#41
Methacrylonitrile
Concen: 2.718 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.018 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 41 Resp: 110

Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#



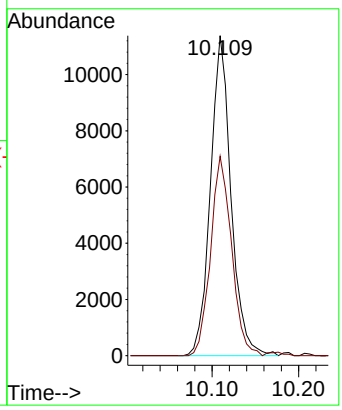


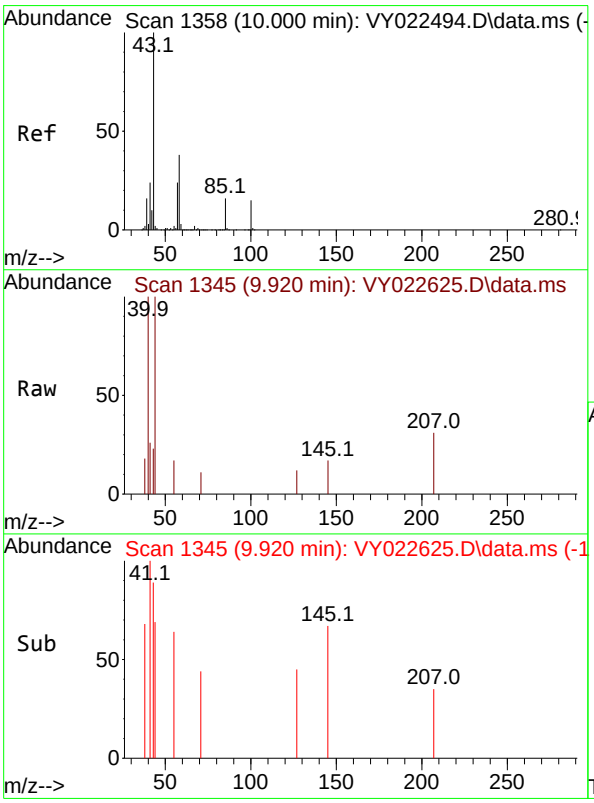
#50
Toluene-d8
Concen: 48.525 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 98 Resp: 18773

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.0

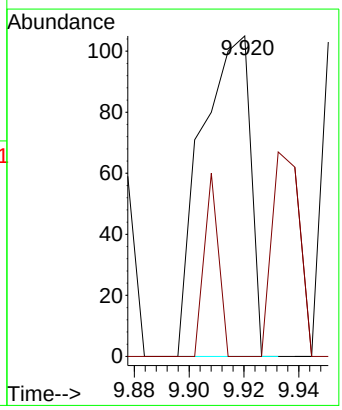


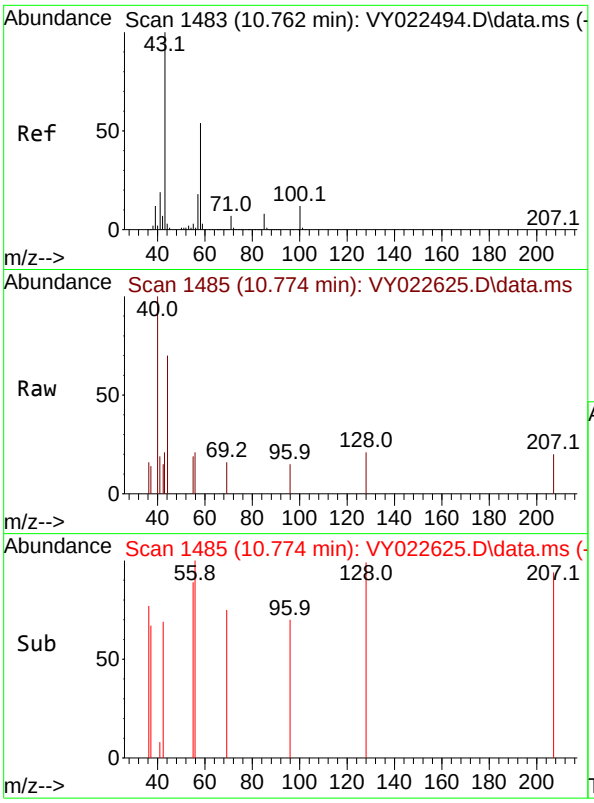


#51
4-Methyl-2-Pentanone
Concen: 1.742 ug/l
RT: 9.920 min Scan# 1345
Delta R.T. -0.079 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 43 Resp: 130

Ion	Ratio	Lower	Upper
43	100		
58	36.2	30.4	45.6



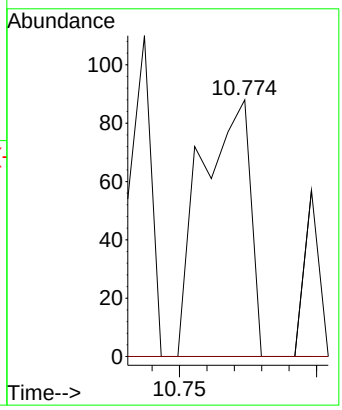


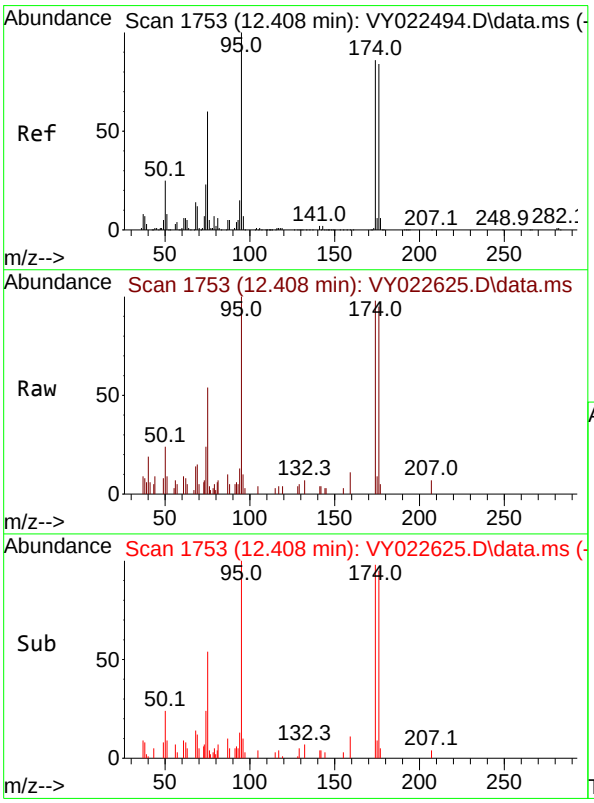
#59
2-Hexanone
Concen: 2.184 ug/l
RT: 10.774 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 43 Resp: 109

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#

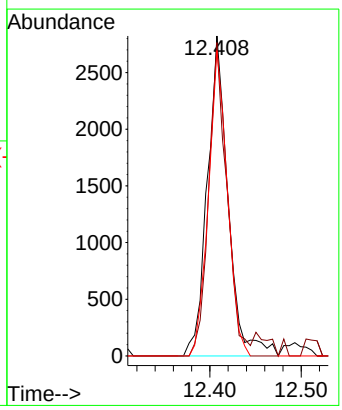


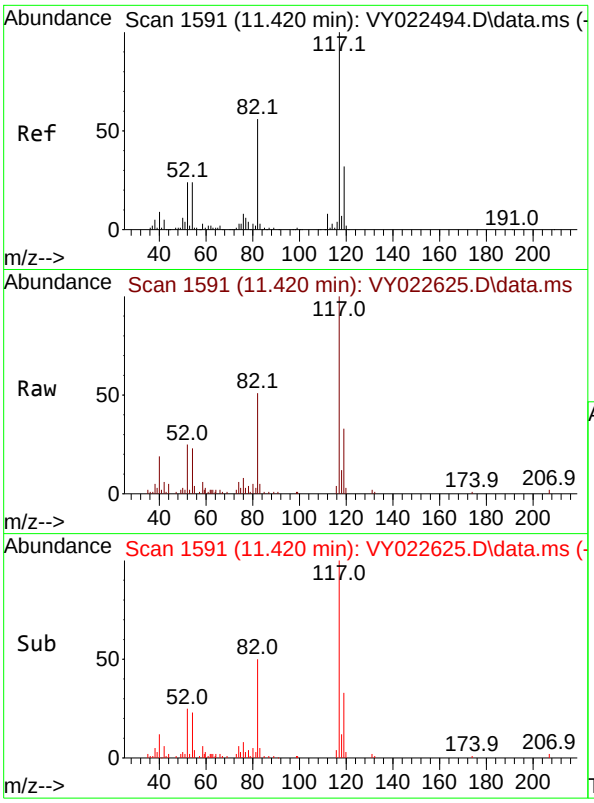


#62
4-Bromofluorobenzene
Concen: 38.579 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 95 Resp: 4447

Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	170.0
176	87.3	0.0	166.2



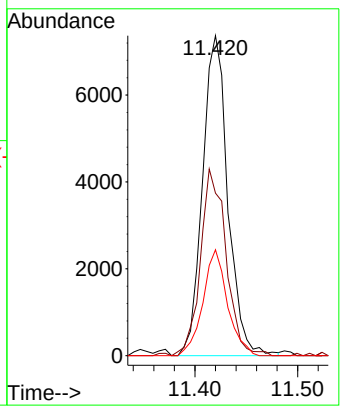


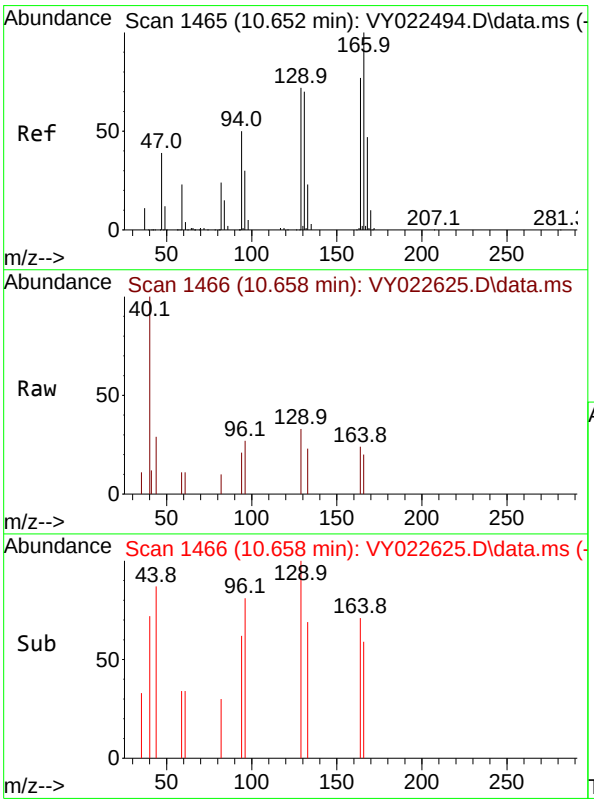
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:117 Resp: 12637

Ion	Ratio	Lower	Upper
117	100		
82	50.8	44.6	66.8
119	33.1	25.4	38.0

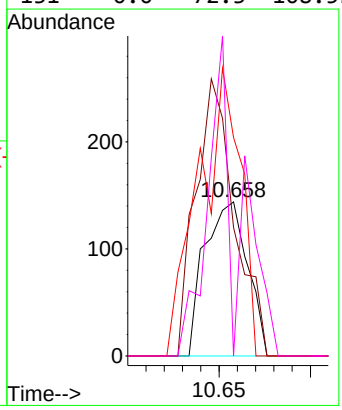


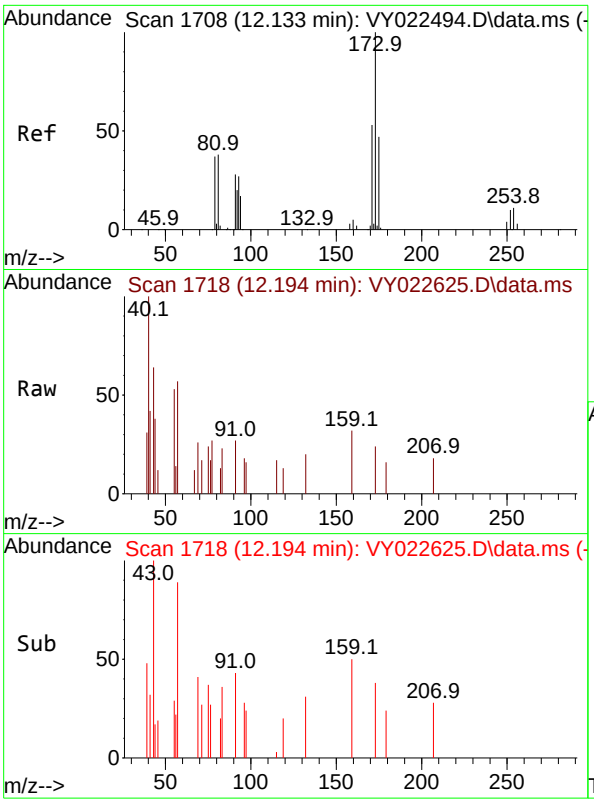


#64
Tetrachloroethene
Concen: 2.162 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion:164 Resp: 235

Ion	Ratio	Lower	Upper
164	100		
166	83.3	104.0	156.0#
129	141.7	74.5	111.7#
131	0.0	72.3	108.5#



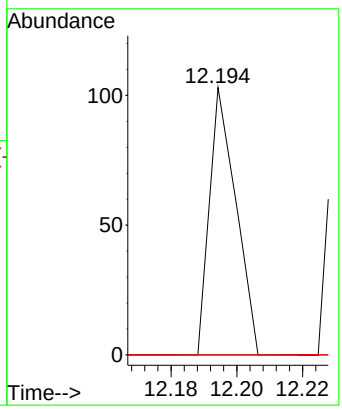


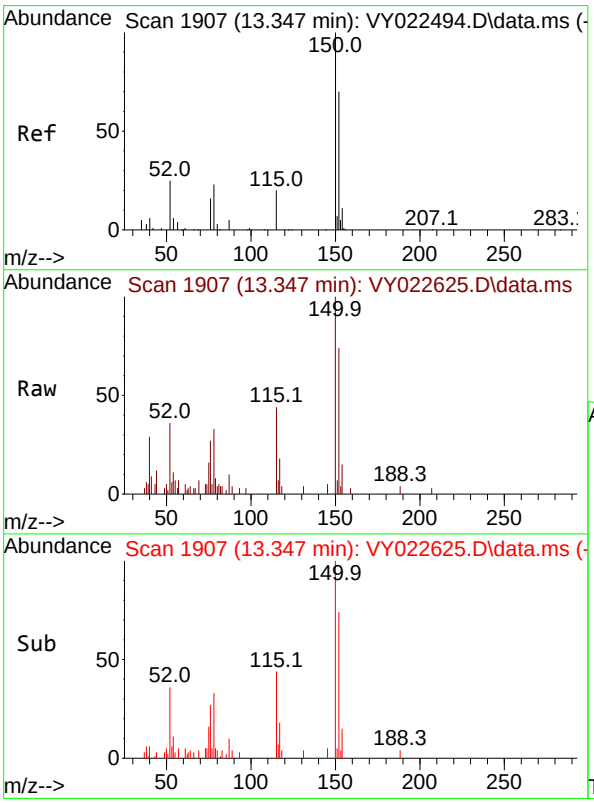
#71
Bromoform
Concen: 1.137 ug/l
RT: 12.194 min Scan# 1
Delta R.T. 0.061 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:173 Resp: 57

Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.8	71.5#
254	0.0	0.0	0.0

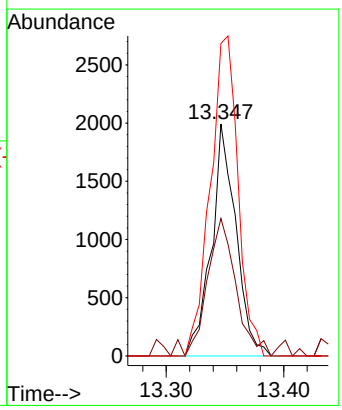


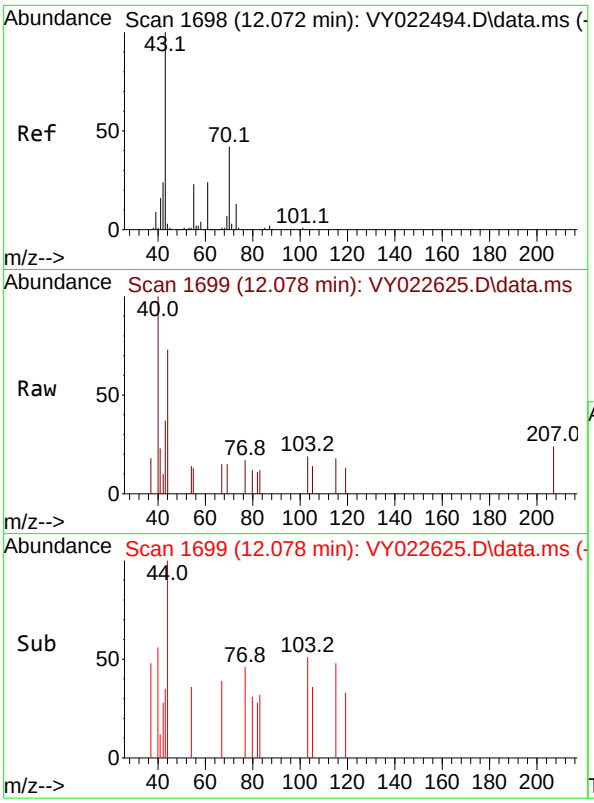


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion:152 Resp: 2892

Ion	Ratio	Lower	Upper
152	100		
115	70.0	28.9	86.7
150	156.3	0.0	349.6



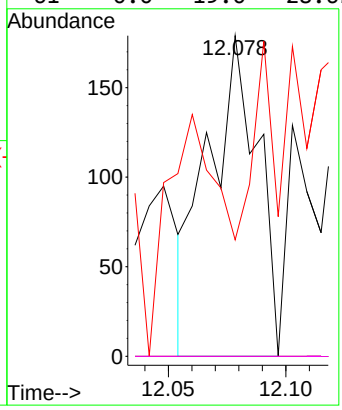


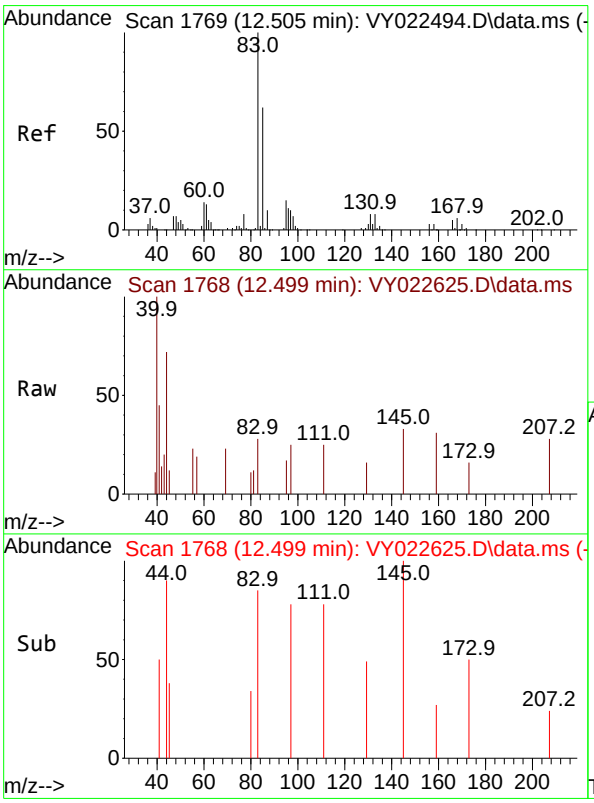
#74
N-amyl acetate
Concen: 4.390 ug/l
RT: 12.078 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 43 Resp: 263

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.2	51.2#
55	21.7	18.2	27.4
61	0.0	19.0	28.6#

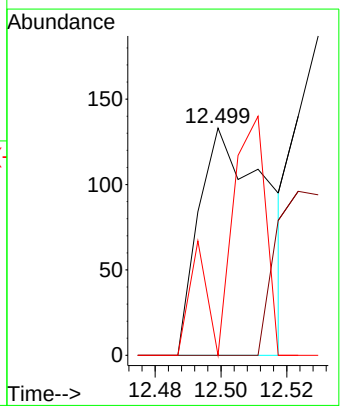


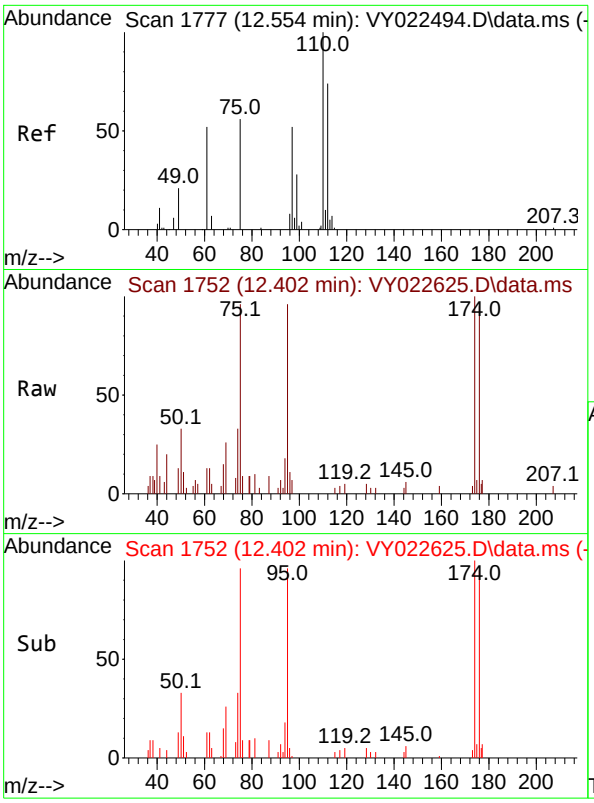


#75
1,1,2,2-Tetrachloroethane
Concen: 4.927 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. -0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 83 Resp: 192

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	0.0	32.6	97.8#



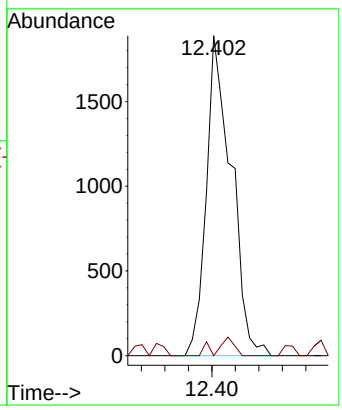


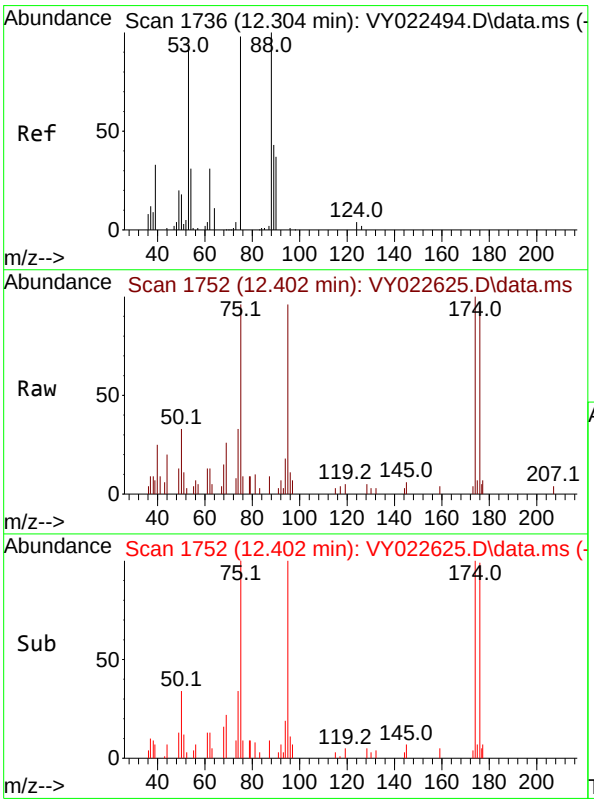
#76
1,2,3-Trichloropropane
Concen: 84.236 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.152 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 75 Resp: 2787

Ion	Ratio	Lower	Upper
75	100		
77	4.0	0.0	0.0#

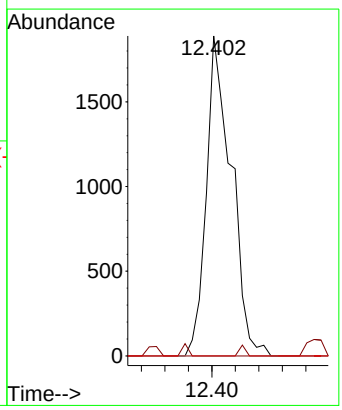


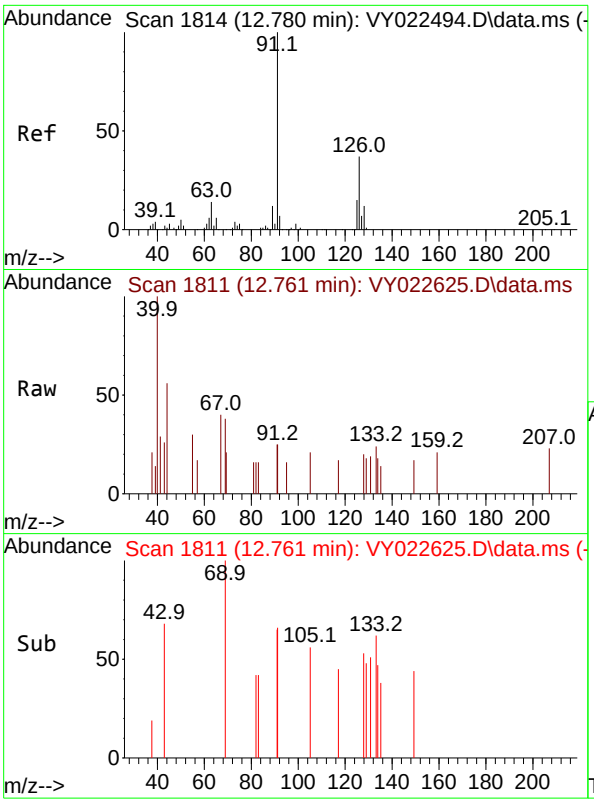


#81
trans-1,4-Dichloro-2-butene
Concen: 203.425 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 75 Resp: 2787

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	35.7	53.5#



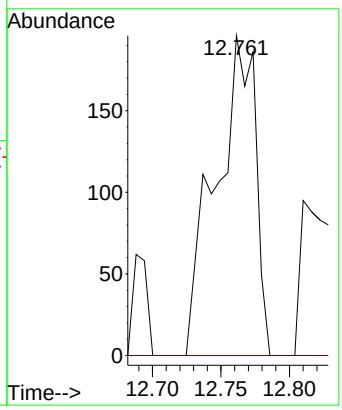


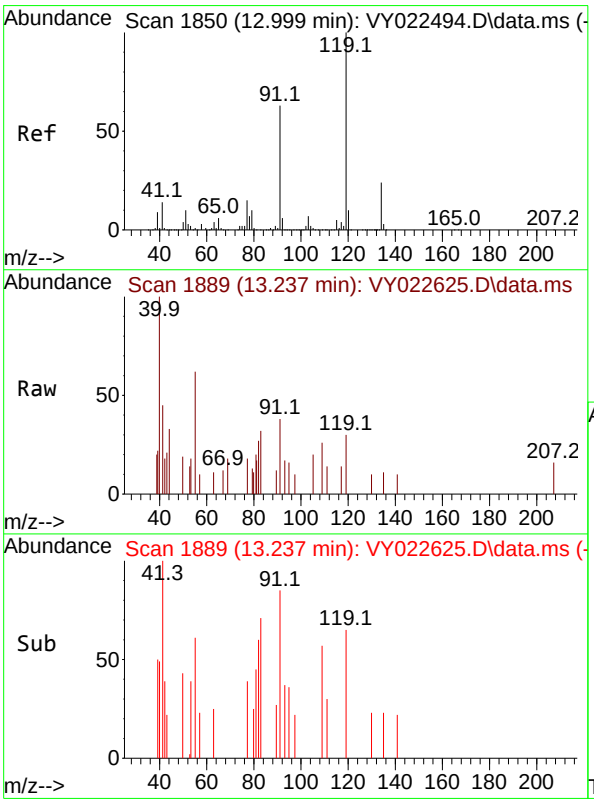
#82
4-Chlorotoluene
Concen: 2.491 ug/l
RT: 12.761 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 91 Resp: 395

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	50.9#

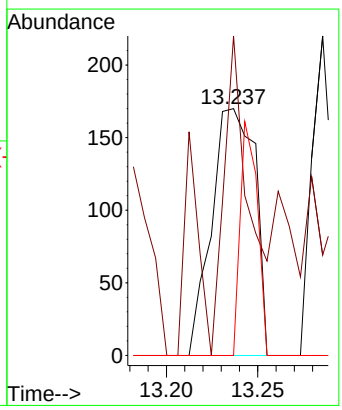


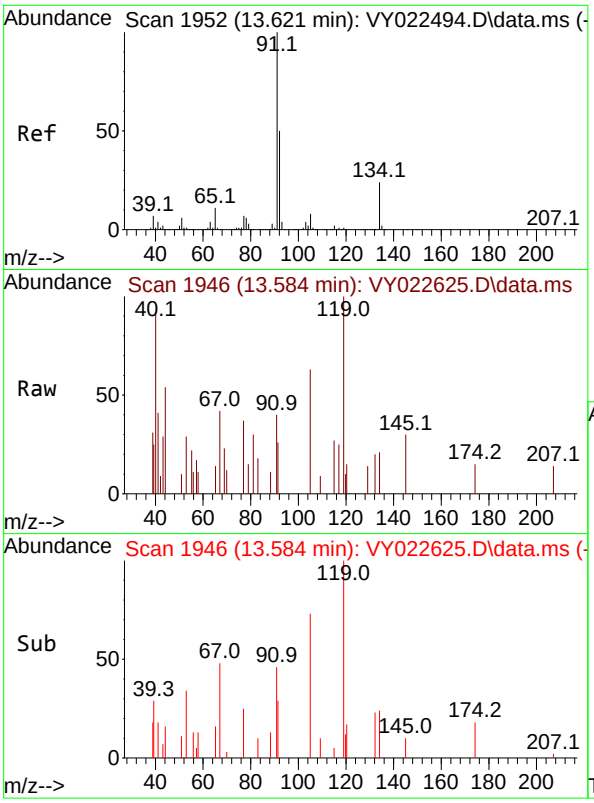


#83
tert-Butylbenzene
Concen: 1.680 ug/l
RT: 13.237 min Scan# 1889
Delta R.T. 0.238 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion:119 Resp: 281

Ion	Ratio	Lower	Upper
119	100		
91	76.2	32.1	96.3
134	37.4	13.0	38.9



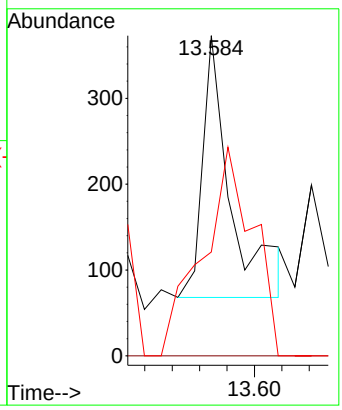


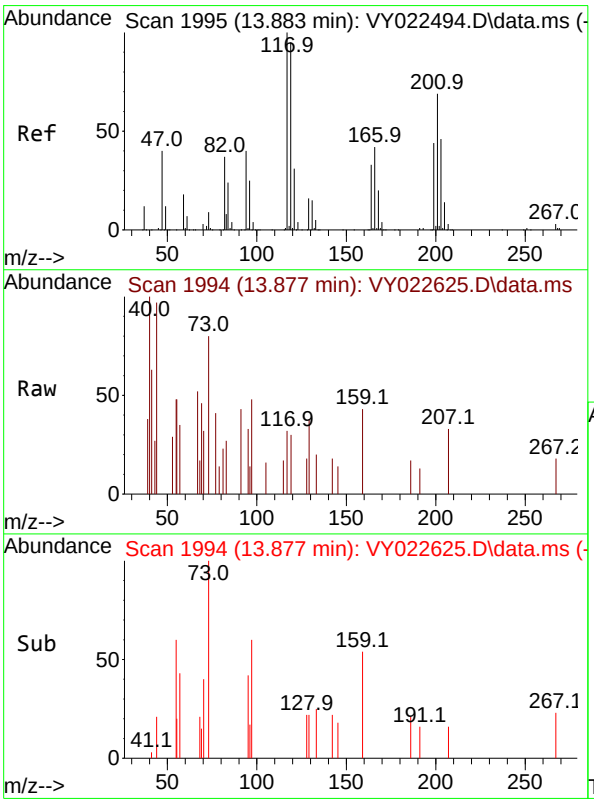
#89
n-Butylbenzene
Concen: 1.103 ug/l
RT: 13.584 min Scan# 1
Delta R.T. -0.037 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion: 91 Resp: 221

Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.8#
134	140.7	12.0	36.1#

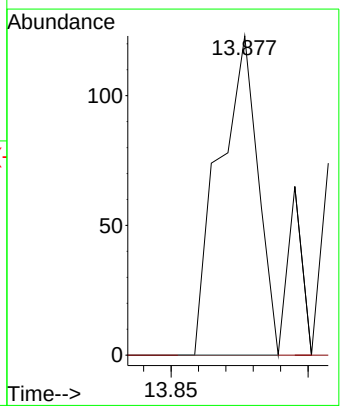


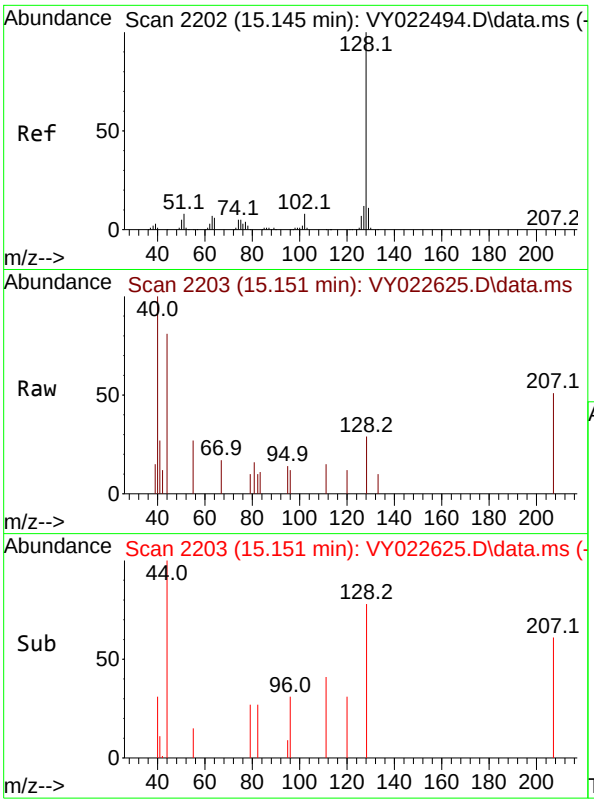


#90
Hexachloroethane
Concen: 2.943 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion:117 Resp: 121

Ion	Ratio	Lower	Upper
117	100		
201	0.0	34.0	102.0#





#95
Naphthalene
Concen: 2.505 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:128 Resp: 226

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.9	13.3#