Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
Data File : VY021687.D
Acq On : 28 Mar 2025 13:17
Operator : SY/MD
Sample : Q1656-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VNJ239

Quant Time: Mar 28 23:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	6252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	9694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4953	73.119	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.240%			
35) Dibromofluoromethane	7.634	113	3716	59.094	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.180%			
50) Toluene-d8	10.103	98	11368	47.520	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.040%			
62) 4-Bromofluorobenzene	12.401	95	2419	29.894	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 59.780%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	501	5.498	ug/l	92
4) Vinyl Chloride	2.196	62	144	1.397	ug/l #	9
5) Bromomethane	2.604	94	673	9.576	ug/l	99
10) Methyl Iodide	4.019	142	828	10.841	ug/l #	91
11) Tert butyl alcohol	4.872	59	26	5.909	ug/l #	70
13) Acrolein	3.897	56	27	3.361	ug/l #	14
15) Acrylonitrile	4.878	53	20	1.334	ug/l #	18
16) Acetone	3.873	43	113	8.151	ug/l #	44
20) Methylene Chloride	4.604	84	46	Below Cal	#	56
25) 2-Butanone	6.915	43	22	1.111	ug/l #	48
29) Tetrahydrofuran	7.256	42	41	3.217	ug/l #	34
31) Cyclohexane	7.713	56	156	1.305	ug/l #	36
36) 1,1-Dichloropropene	7.701	75	617	6.442	ug/l #	42
38) Carbon Tetrachloride	7.701	117	735	6.700	ug/l #	12
41) Methacrylonitrile	7.189	41	102	4.249	ug/l #	100
51) 4-Methyl-2-Pentanone	9.993	43	57	1.279	ug/l	90
59) 2-Hexanone	10.774	43	38	1.280	ug/l #	24
74) N-amyl acetate	12.103	43	95	3.417	ug/l #	42
76) 1,2,3-Trichloropropane	12.408	75	1409	89.118	ug/l #	100
77) Bromobenzene	12.542	156	50	1.758	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	1409	205.342	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.925	180	79	2.986	ug/l #	12
95) Naphthalene	15.145	128	181	4.128	ug/l #	68

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

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Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Quant Time: Mar 28 23:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
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QLast Update : Fri Mar 28 02:30:29 2025
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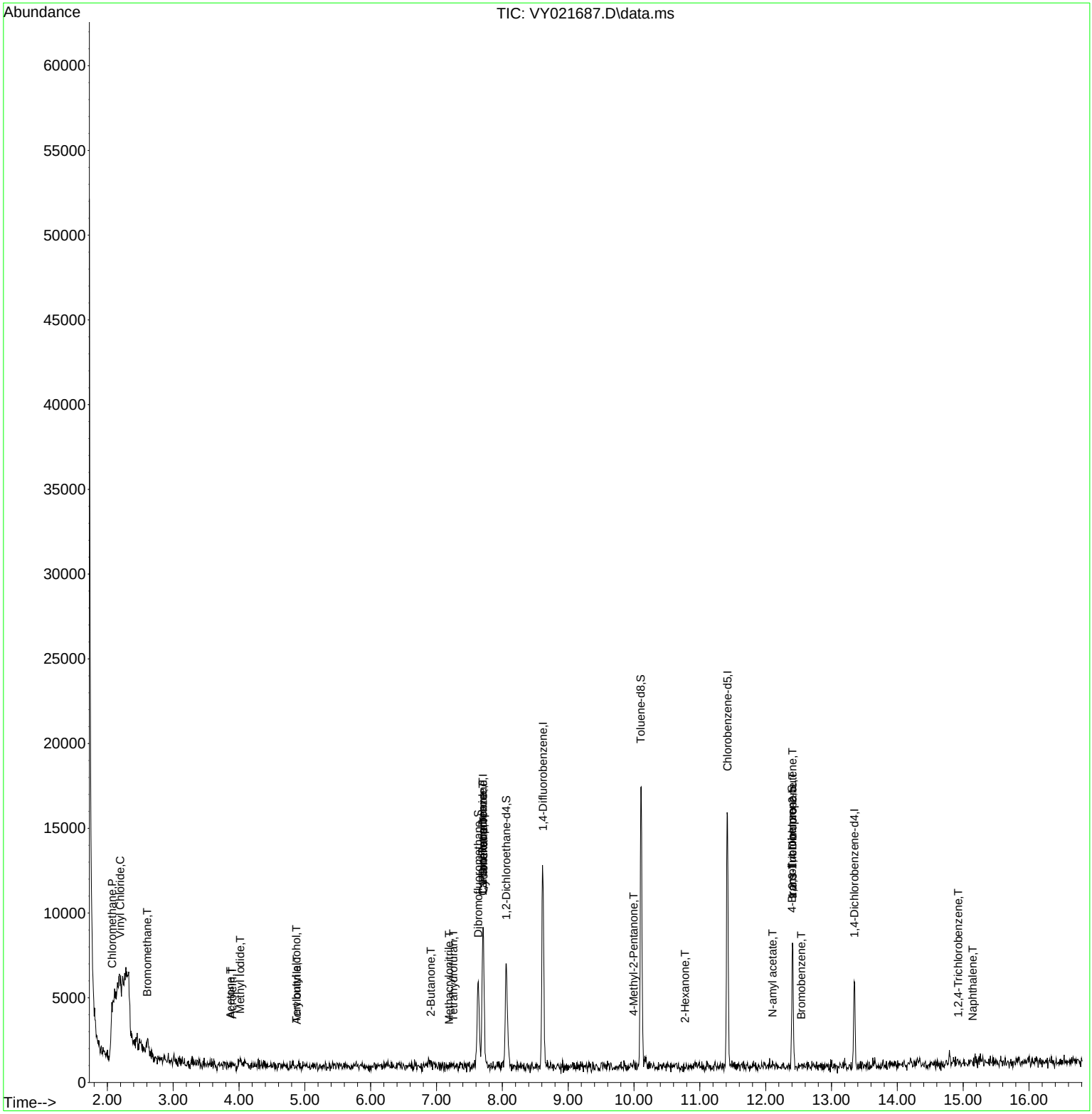
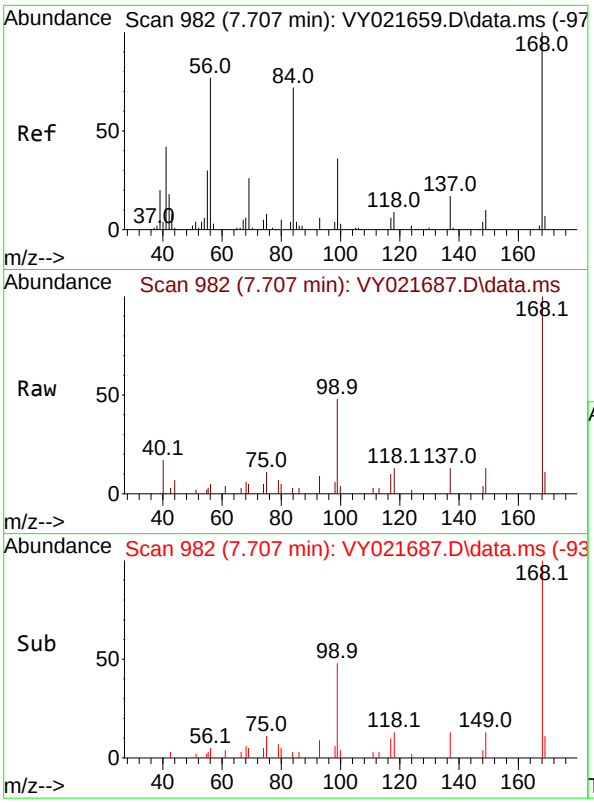


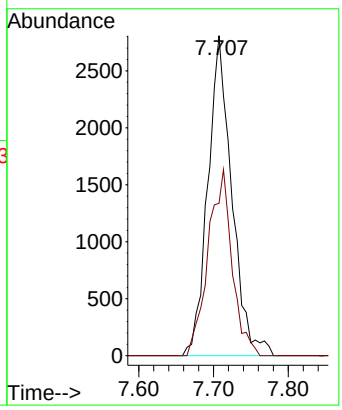


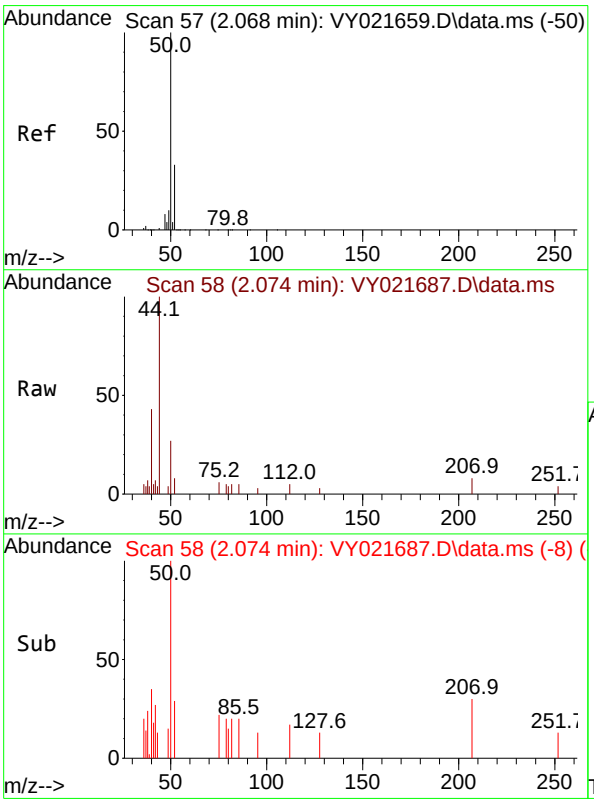
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion:168 Resp: 6252

Ion	Ratio	Lower	Upper
168	100		
99	47.6	46.7	70.1

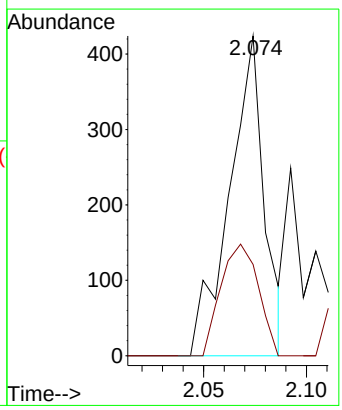


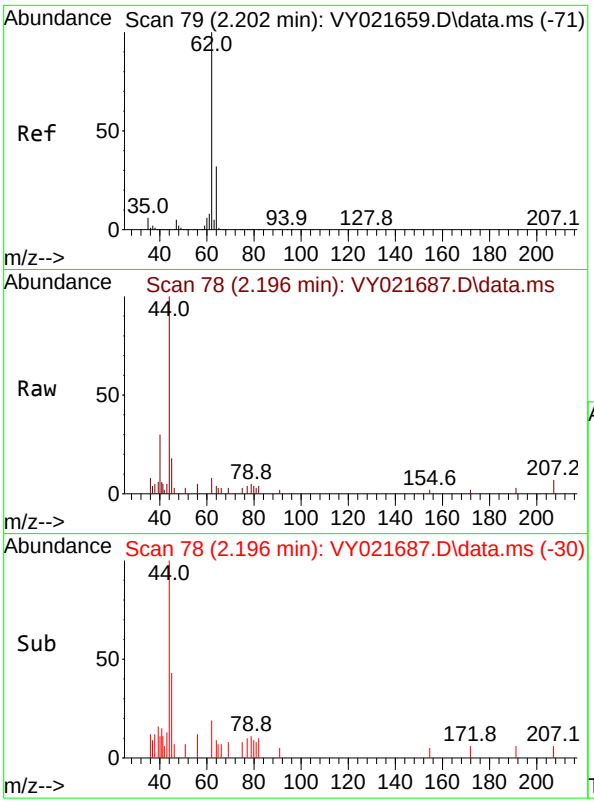


#3
Chloromethane
Concen: 5.498 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 50 Resp: 501

Ion	Ratio	Lower	Upper
50	100		
52	28.5	26.3	39.5



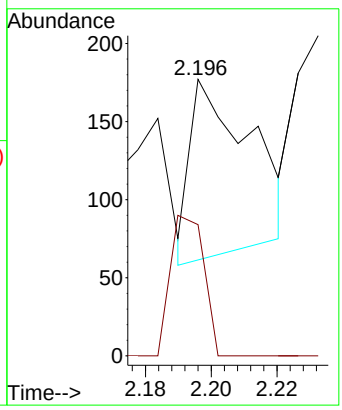


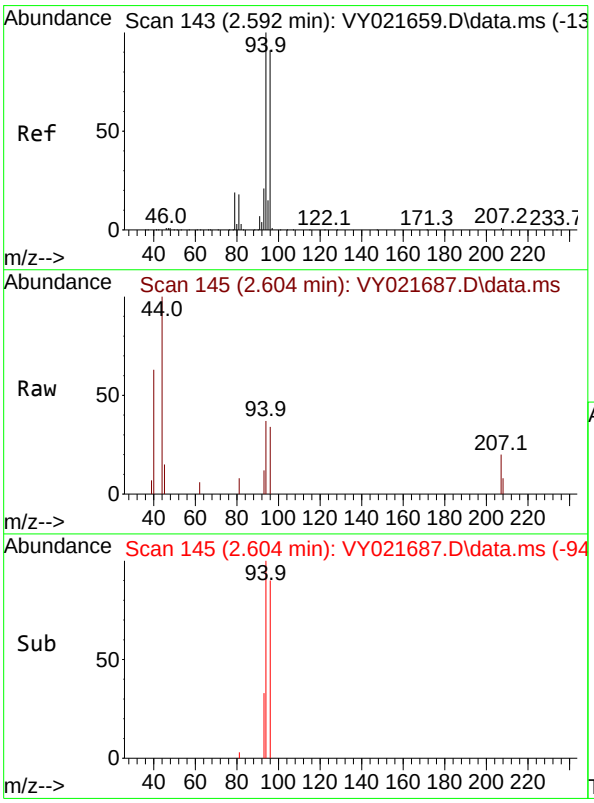
#4
Vinyl Chloride
Concen: 1.397 ug/l
RT: 2.196 min Scan# 7
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 62 Resp: 144

Ion	Ratio	Lower	Upper
62	100		
64	82.4	25.5	38.3#

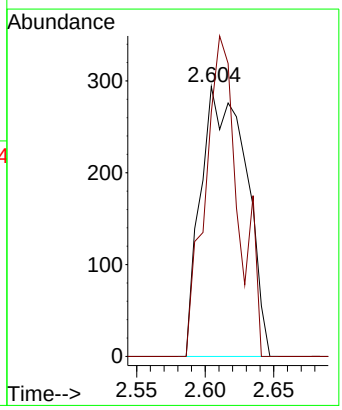


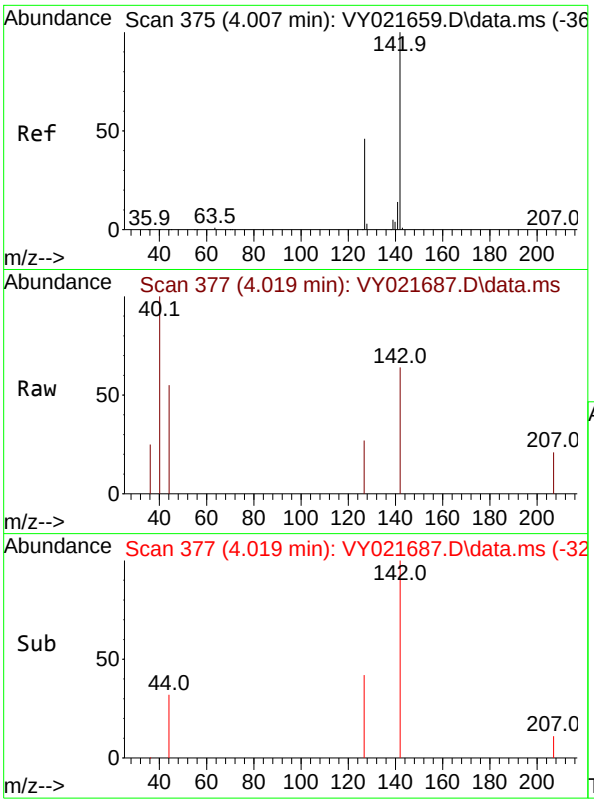


#5
Bromomethane
Concen: 9.576 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 94 Resp: 673

Ion	Ratio	Lower	Upper
94	100		
96	90.5	72.8	109.2



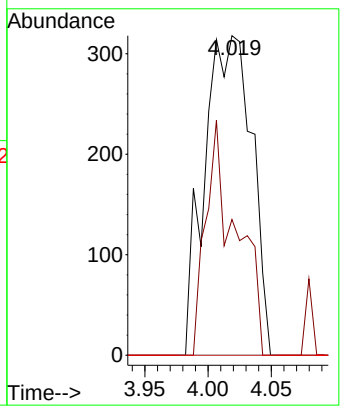


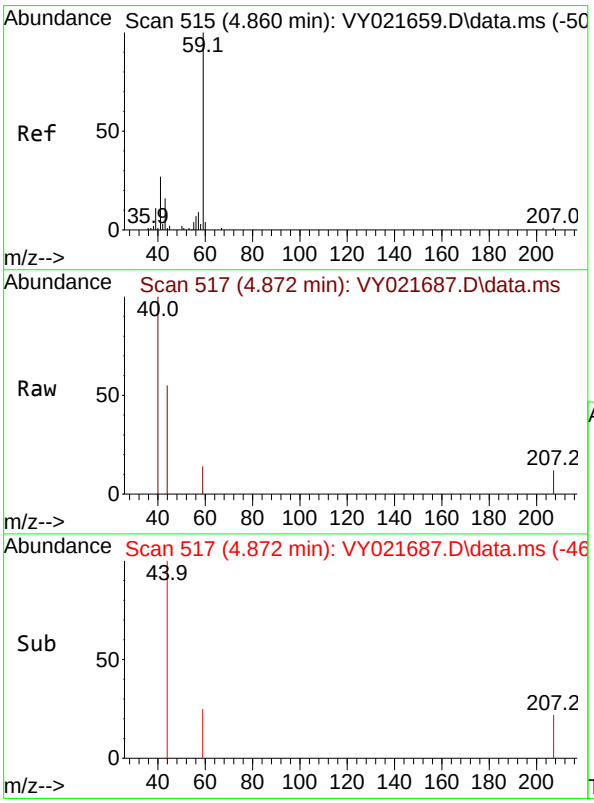
#10
Methyl Iodide
Concen: 10.841 ug/l
RT: 4.019 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion:142 Resp: 828

Ion	Ratio	Lower	Upper
142	100		
127	47.7	38.7	58.1
141	0.0	11.5	17.3#

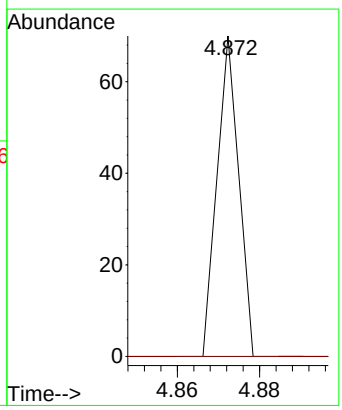


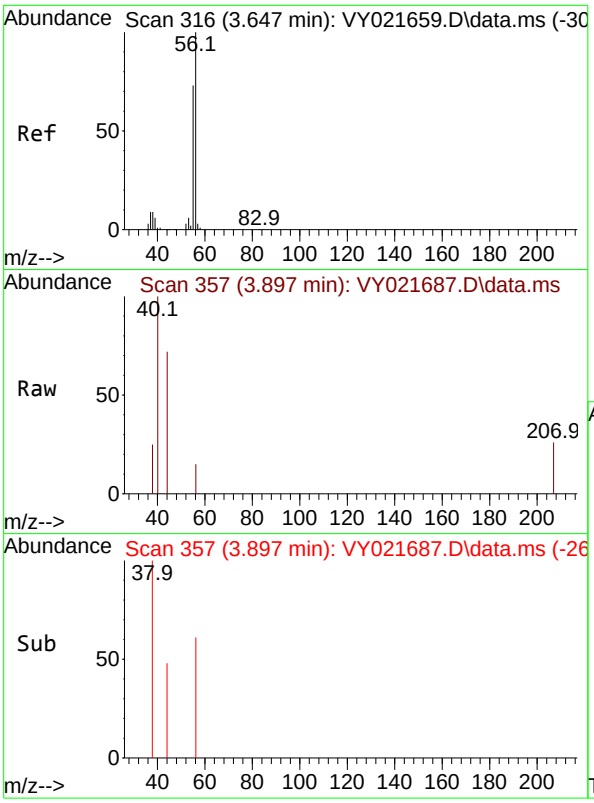


#11
Tert butyl alcohol
Concen: 5.909 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 59 Resp: 26

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



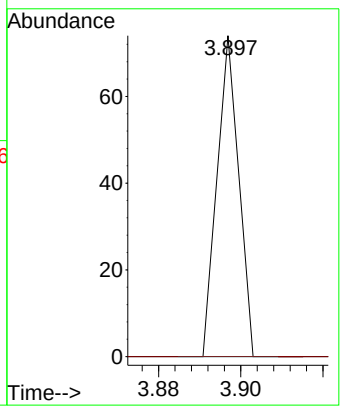


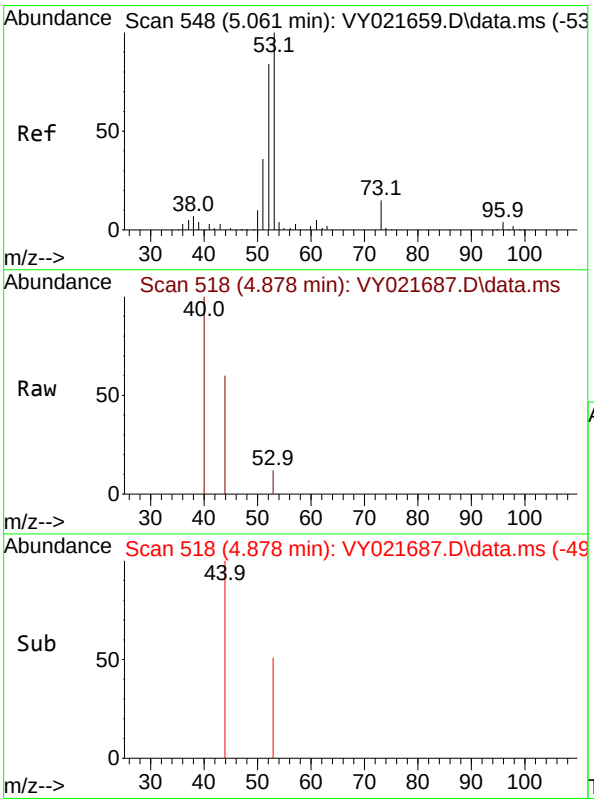
#13
Acrolein
Concen: 3.361 ug/l
RT: 3.897 min Scan# 3
Delta R.T. 0.250 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 56 Resp: 27

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.6	85.0#

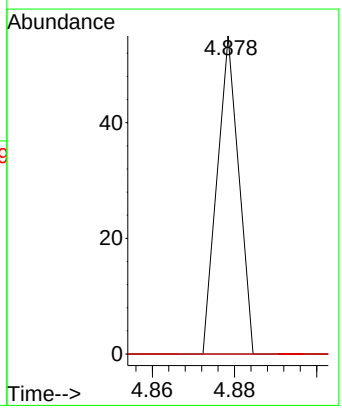


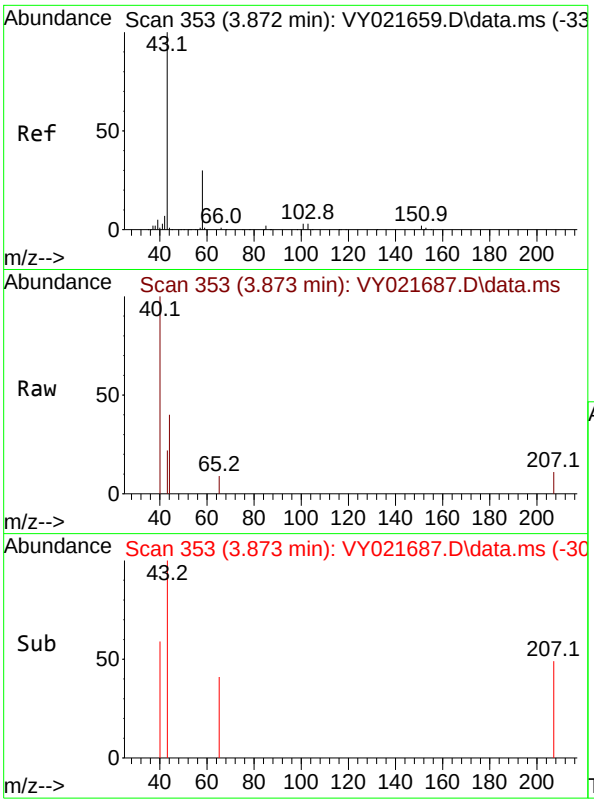


#15
Acrylonitrile
Concen: 1.334 ug/l
RT: 4.878 min Scan# 518
Delta R.T. -0.183 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 53 Resp: 20

Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.9	97.3#
51	0.0	30.2	45.2#



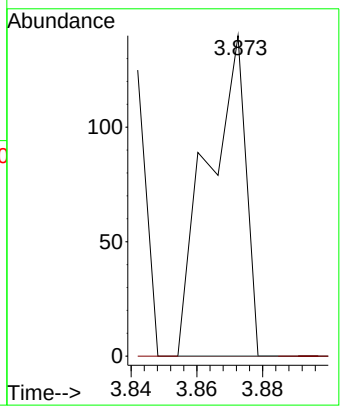


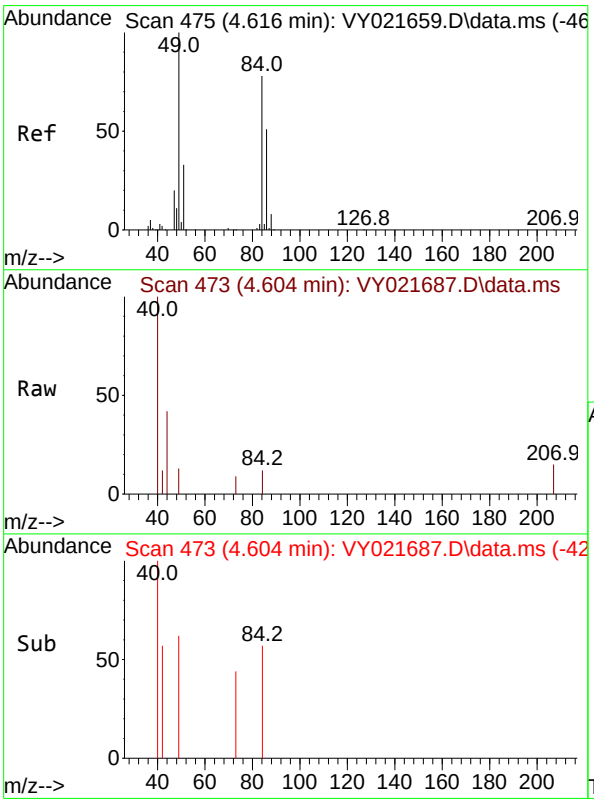
#16
Acetone
Concen: 8.151 ug/l
RT: 3.873 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 43 Resp: 113

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#

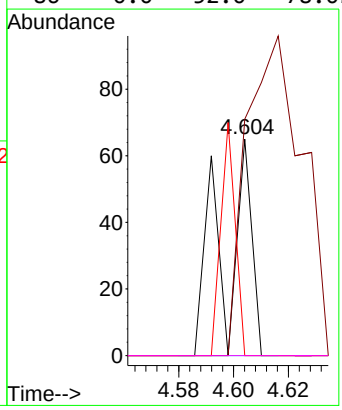


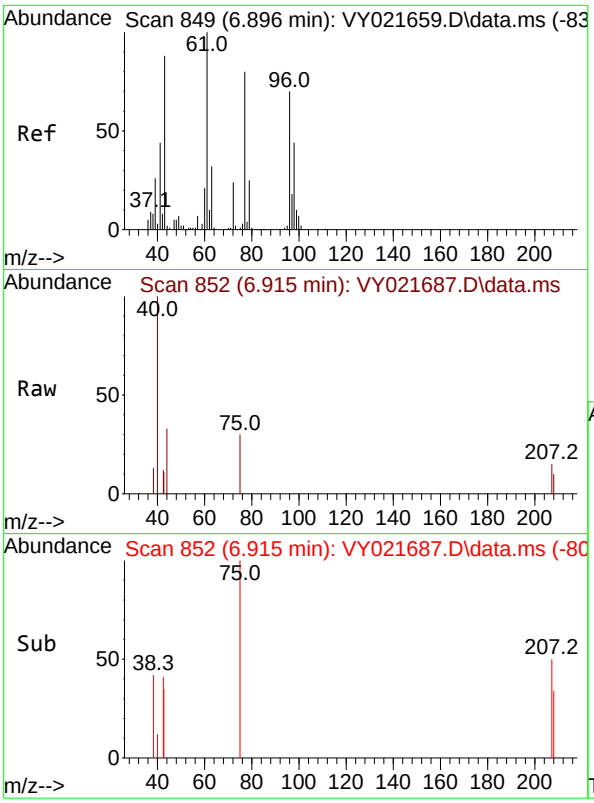


#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 84 Resp: 46

Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.8	154.2
51	0.0	33.5	50.3#
86	0.0	52.0	78.0#



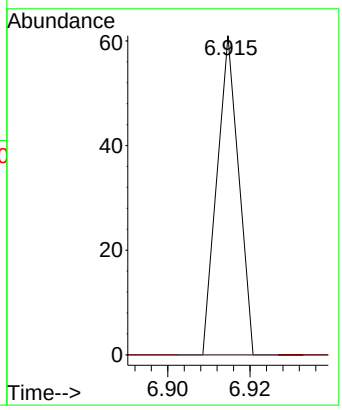


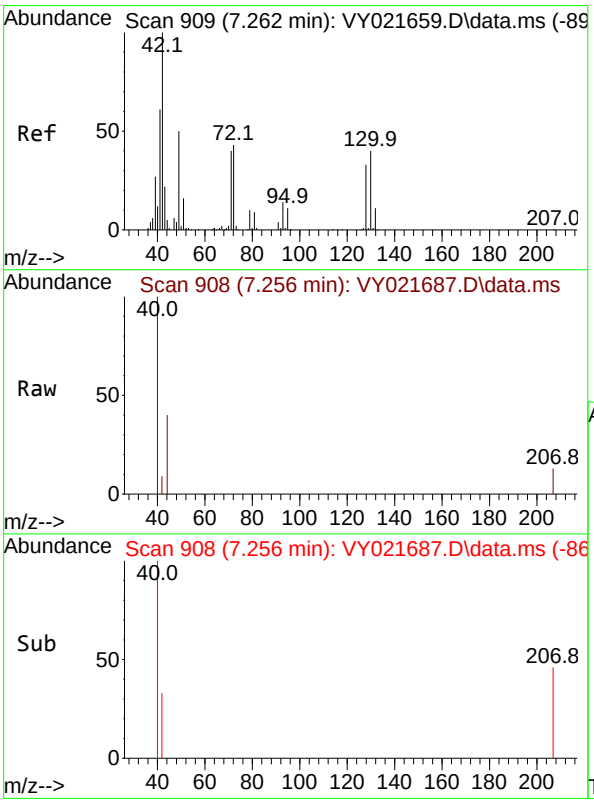
#25
2-Butanone
Concen: 1.111 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.018 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#

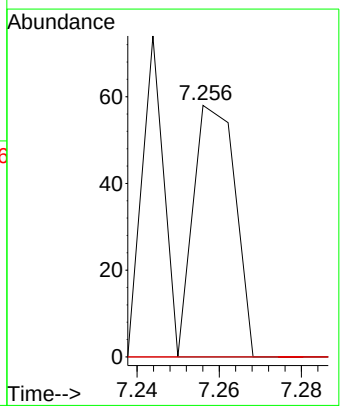


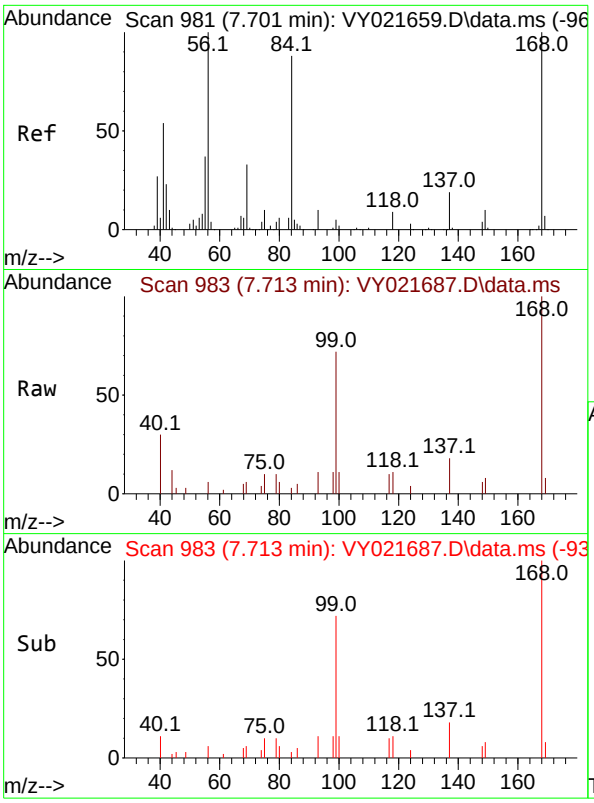


#29
Tetrahydrofuran
Concen: 3.217 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 42 Resp: 41

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	52.0#
71	0.0	32.5	48.7#



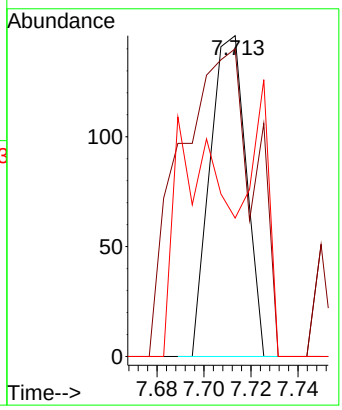


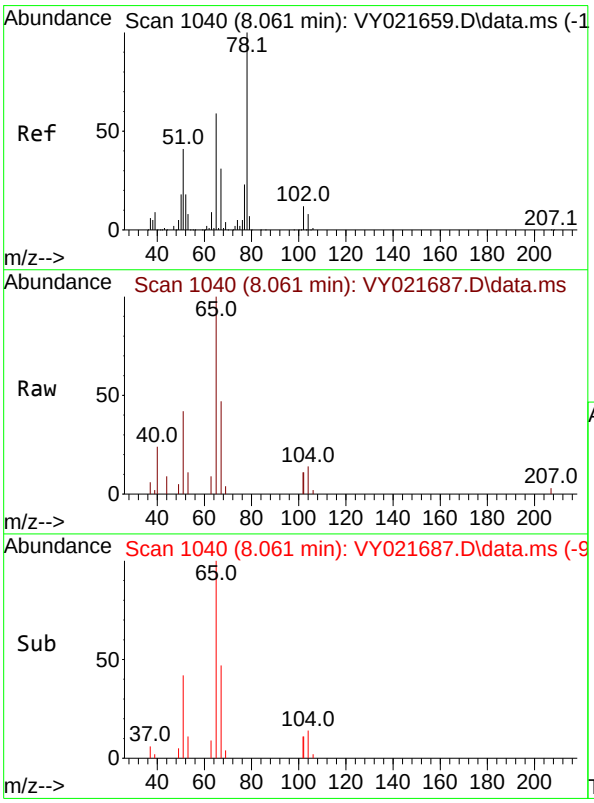
#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 56 Resp: 156

Ion	Ratio	Lower	Upper
56	100		
69	95.9	26.6	40.0#
84	43.2	69.0	103.4#

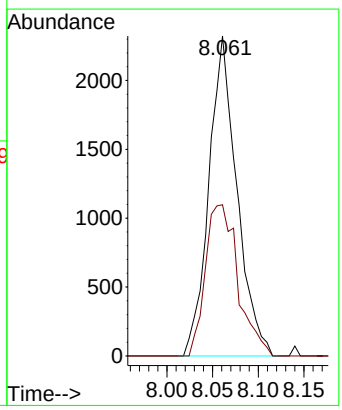


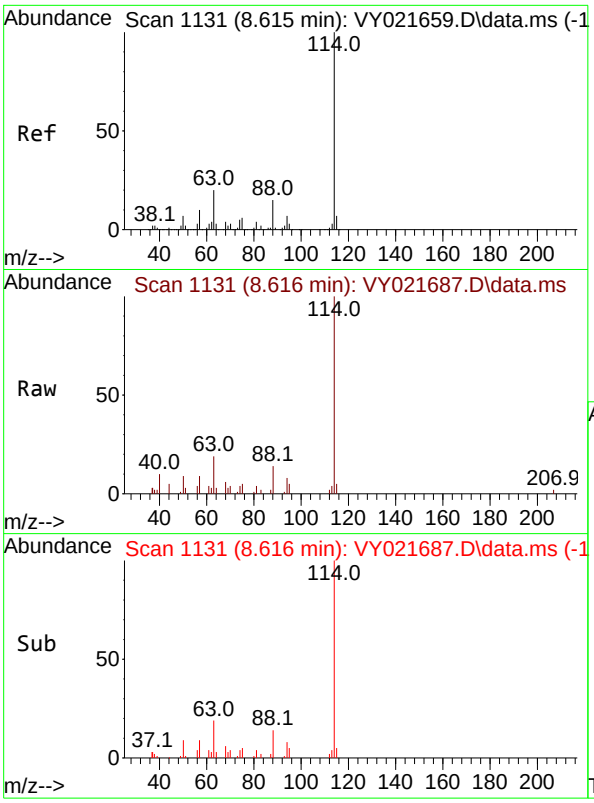


#33
1,2-Dichloroethane-d4
Concen: 73.119 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 65 Resp: 4953

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	104.6



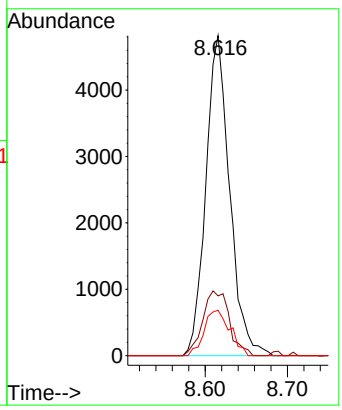


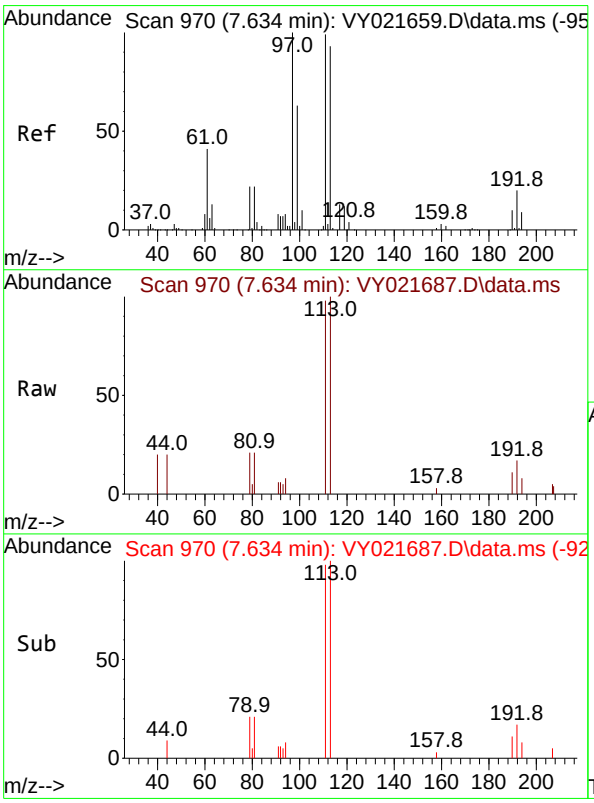
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion:114 Resp: 9694

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	40.2
88	14.2	0.0	29.8

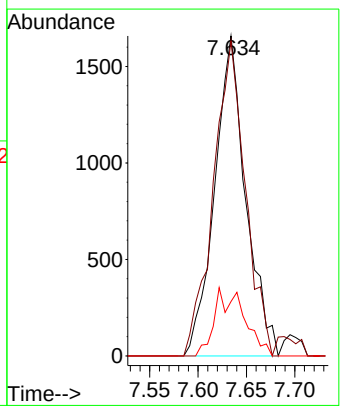


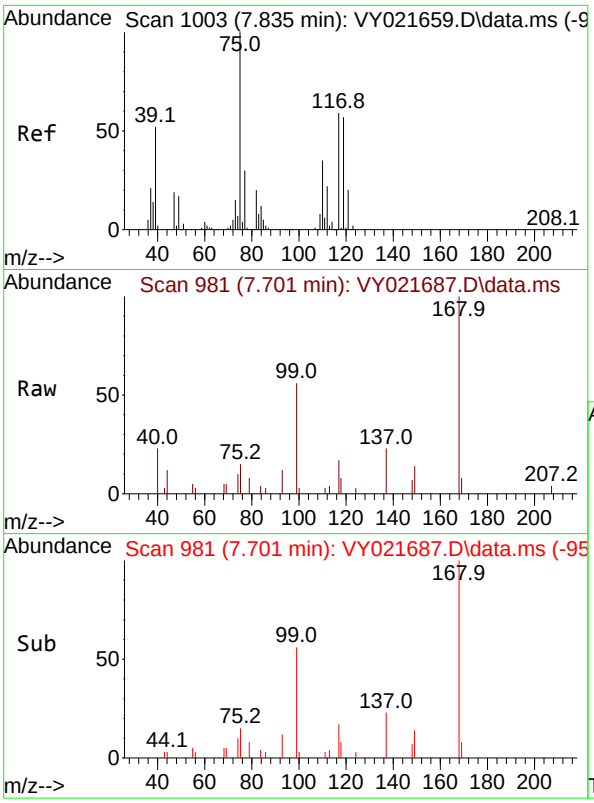


#35
Dibromofluoromethane
Concen: 59.094 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion:113 Resp: 3716

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.6	123.8
192	20.2	16.2	24.4



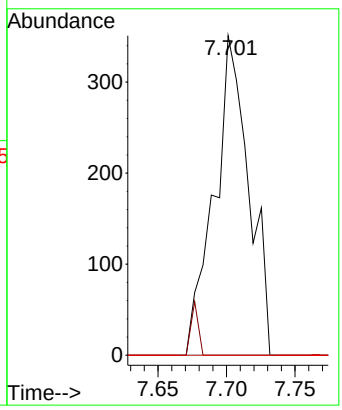


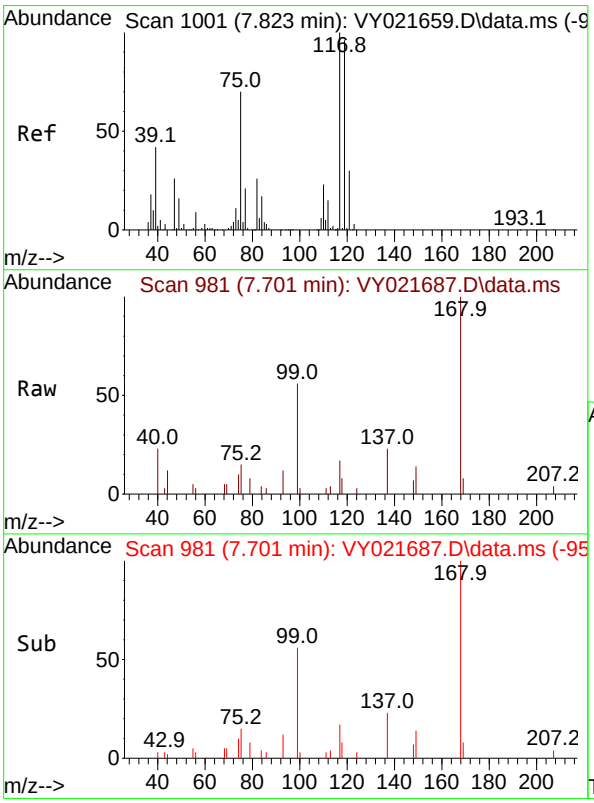
#36
1,1-Dichloropropene
Concen: 6.442 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.134 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 75 Resp: 617

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	50.9#
77	0.0	24.8	37.2#

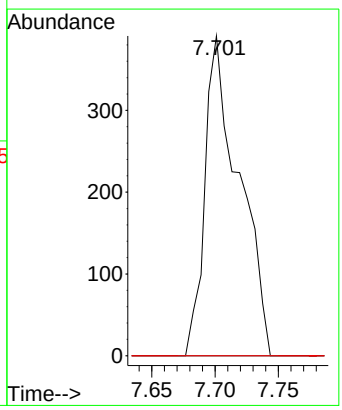


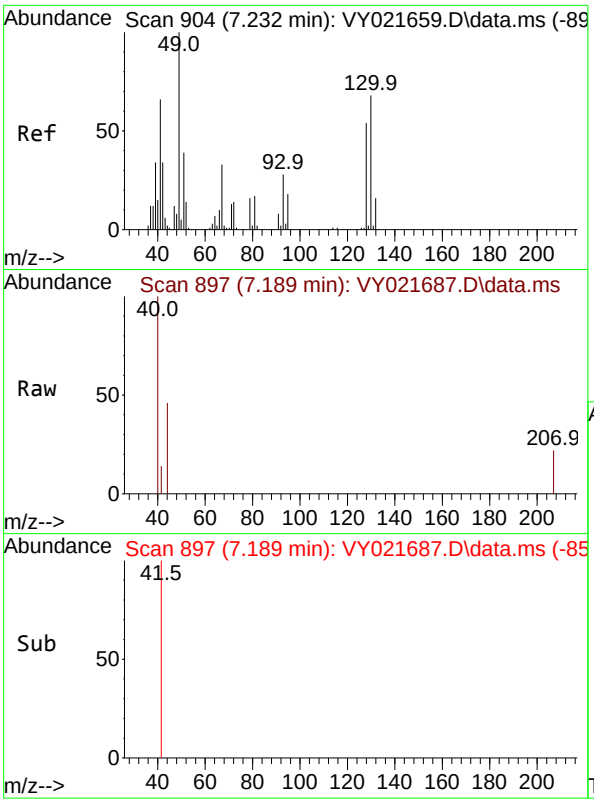


#38
Carbon Tetrachloride
Concen: 6.700 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion:117 Resp: 735

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.4#
121	0.0	24.2	36.4#



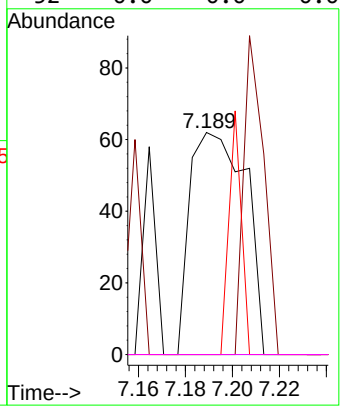


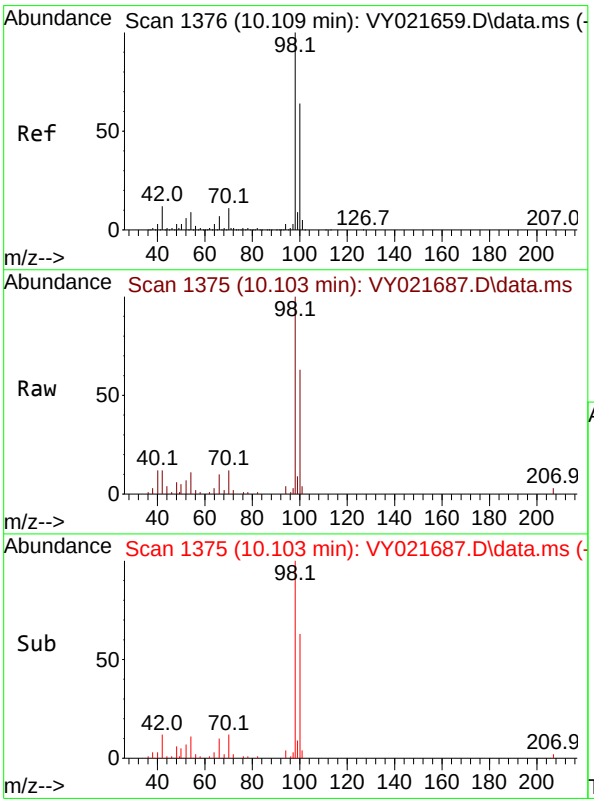
#41
Methacrylonitrile
Concen: 4.249 ug/l
RT: 7.189 min Scan# 8
Delta R.T. -0.043 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 41 Resp: 102

Ion	Ratio	Lower	Upper
41	100		
39	52.0	0.0	0.0#
67	24.5	0.0	0.0#
52	0.0	0.0	0.0

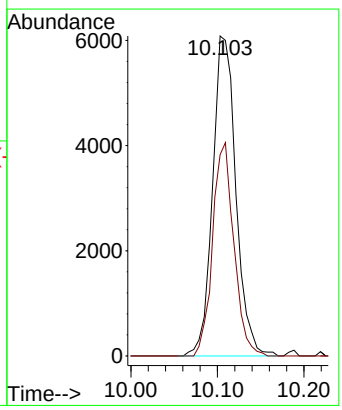


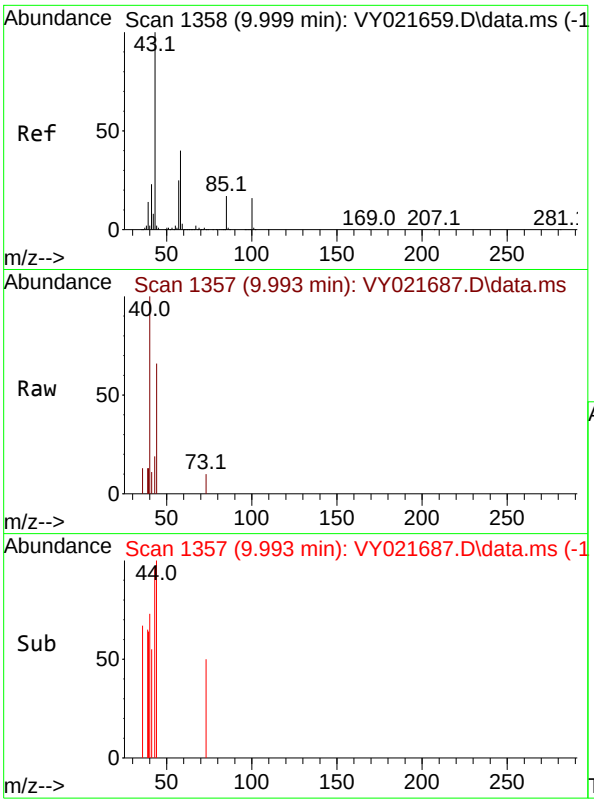


#50
Toluene-d8
Concen: 47.520 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 98 Resp: 11368

Ion	Ratio	Lower	Upper
98	100		
100	60.8	52.1	78.1



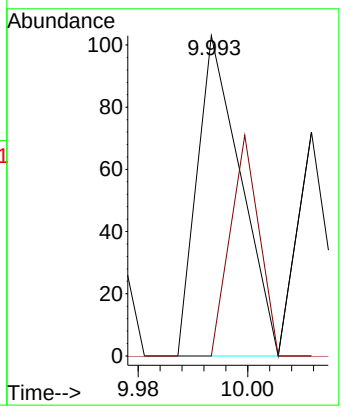


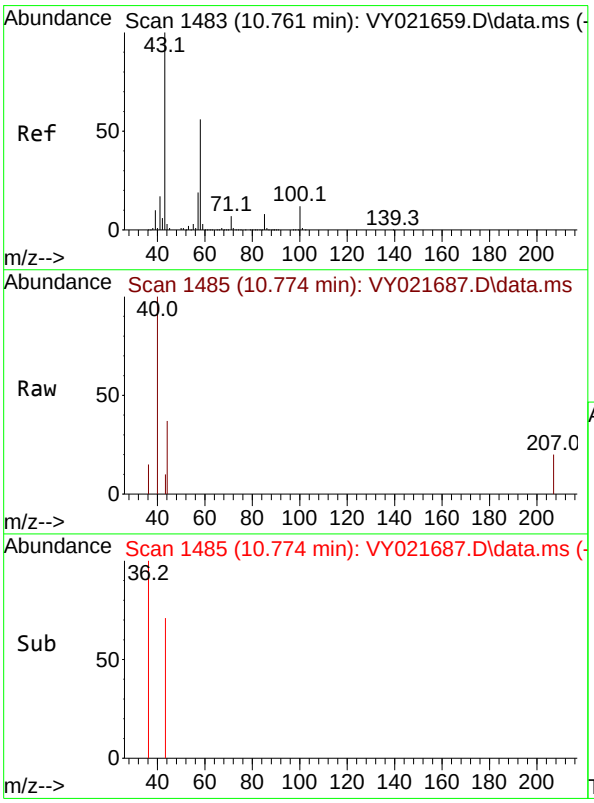
#51
4-Methyl-2-Pentanone
Concen: 1.279 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 43 Resp: 57

Ion	Ratio	Lower	Upper
43	100		
58	45.6	31.5	47.3

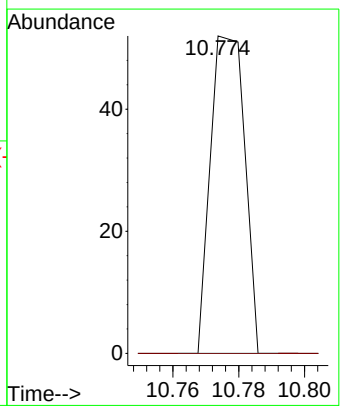


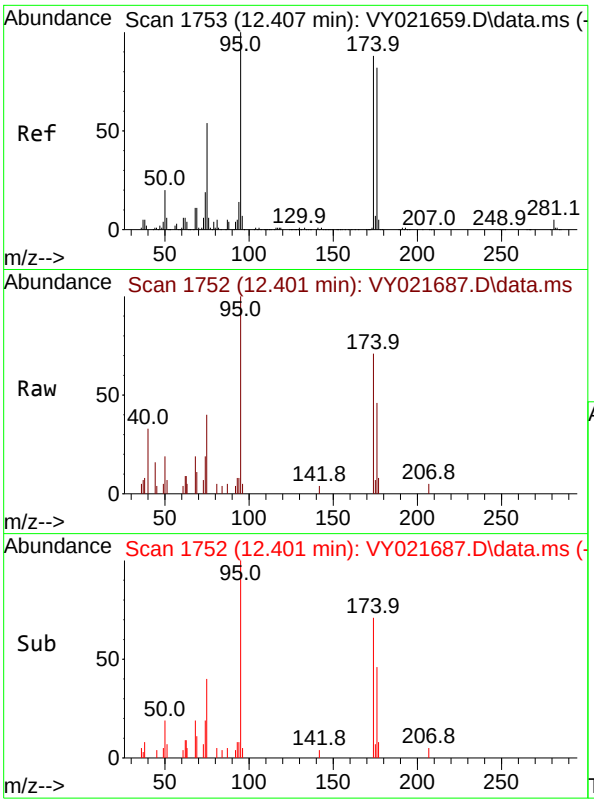


#59
2-Hexanone
Concen: 1.280 ug/l
RT: 10.774 min Scan# 1485
Delta R.T. 0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 43 Resp: 38

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.2	81.5#



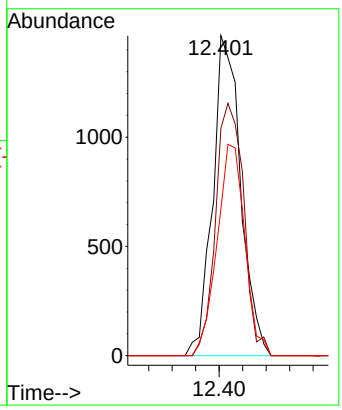


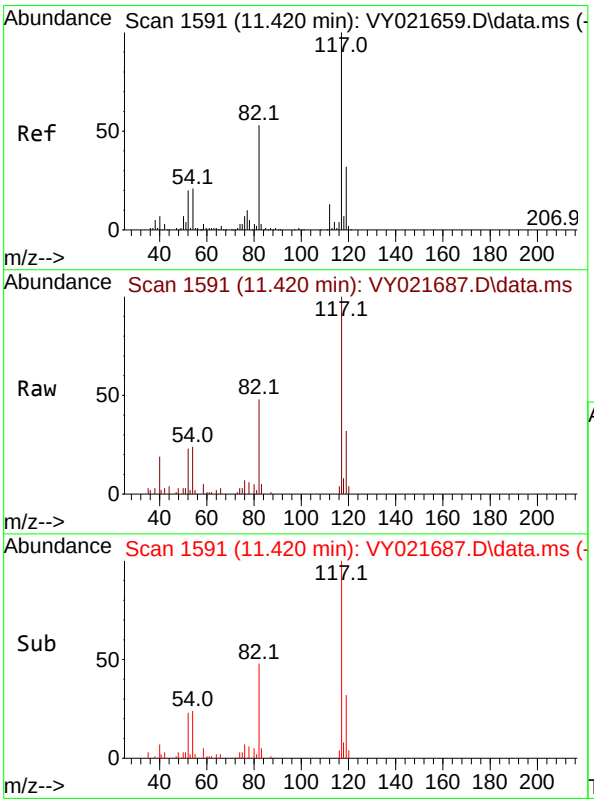
#62
4-Bromofluorobenzene
Concen: 29.894 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 95 Resp: 2419

Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	170.8
176	65.9	0.0	162.0

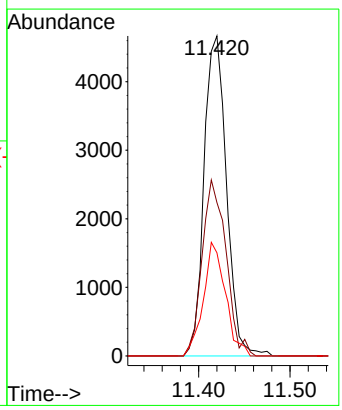


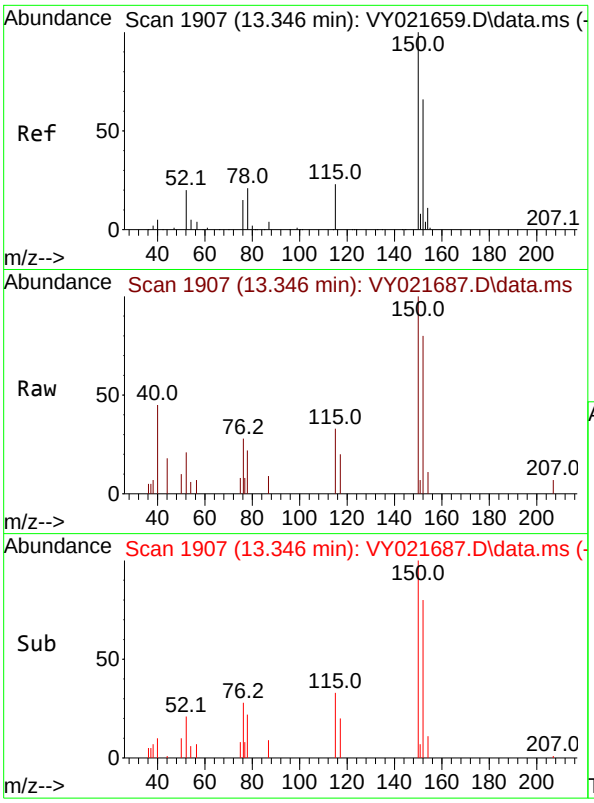


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion:117 Resp: 7942

Ion	Ratio	Lower	Upper
117	100		
82	48.0	42.8	64.2
119	32.3	25.7	38.5



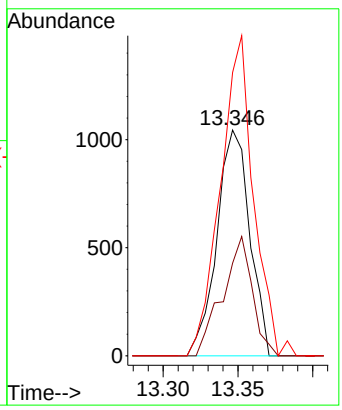


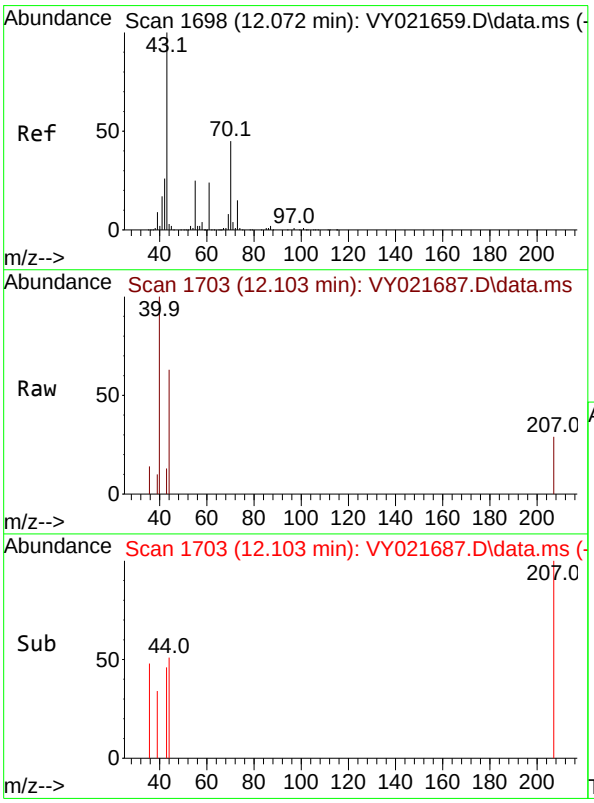
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion:152 Resp: 1595

Ion	Ratio	Lower	Upper
152	100		
115	47.8	28.8	86.5
150	143.1	0.0	348.4

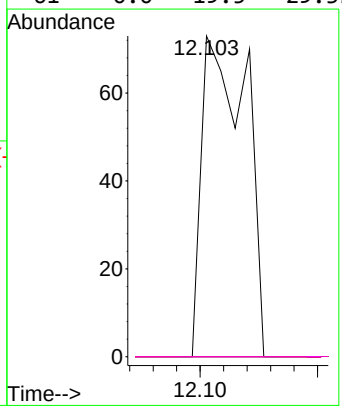


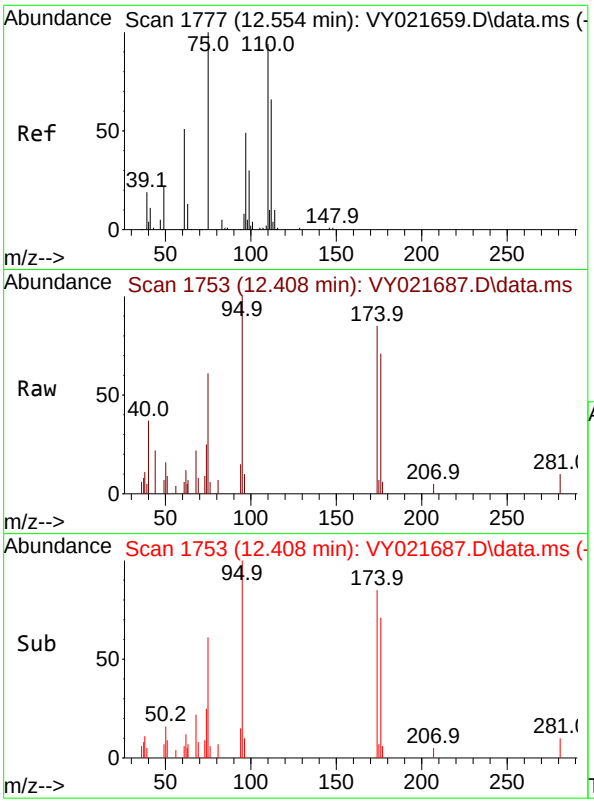


#74
N-amyl acetate
Concen: 3.417 ug/l
RT: 12.103 min Scan# 1703
Delta R.T. 0.031 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 43 Resp: 95

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.7	52.1#
55	0.0	21.2	31.8#
61	0.0	19.5	29.3#



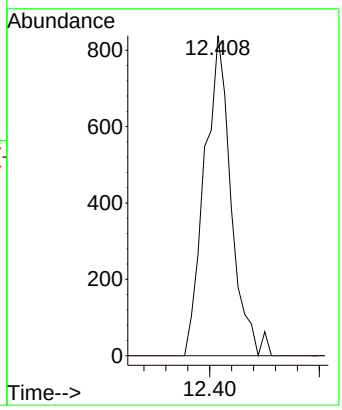


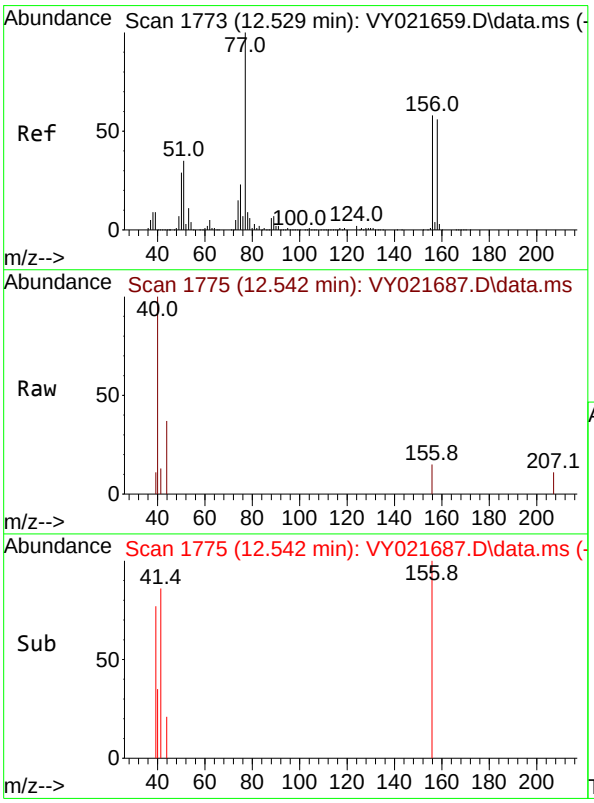
#76
1,2,3-Trichloropropane
Concen: 89.118 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.146 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 75 Resp: 1409

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

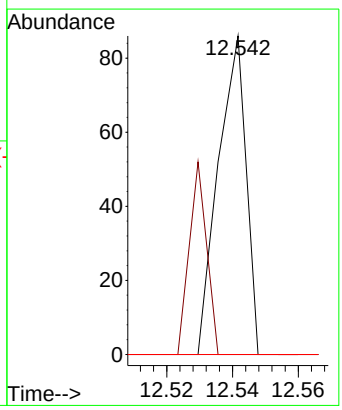


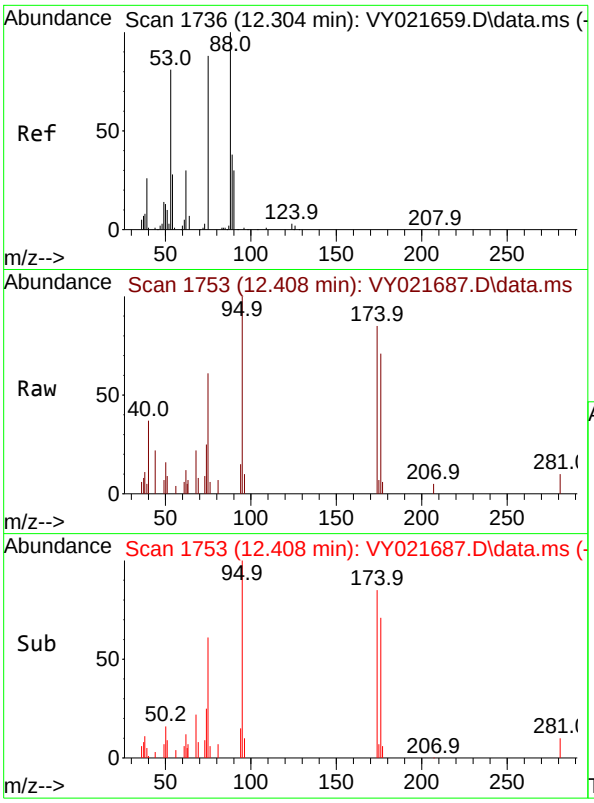


#77
Bromobenzene
Concen: 1.758 ug/l
RT: 12.542 min Scan# 1775
Delta R.T. 0.012 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion:156 Resp: 50

Ion	Ratio	Lower	Upper
156	100		
77	38.0	92.8	278.3#
158	0.0	48.5	145.6#



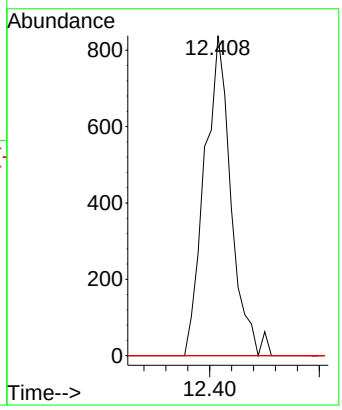


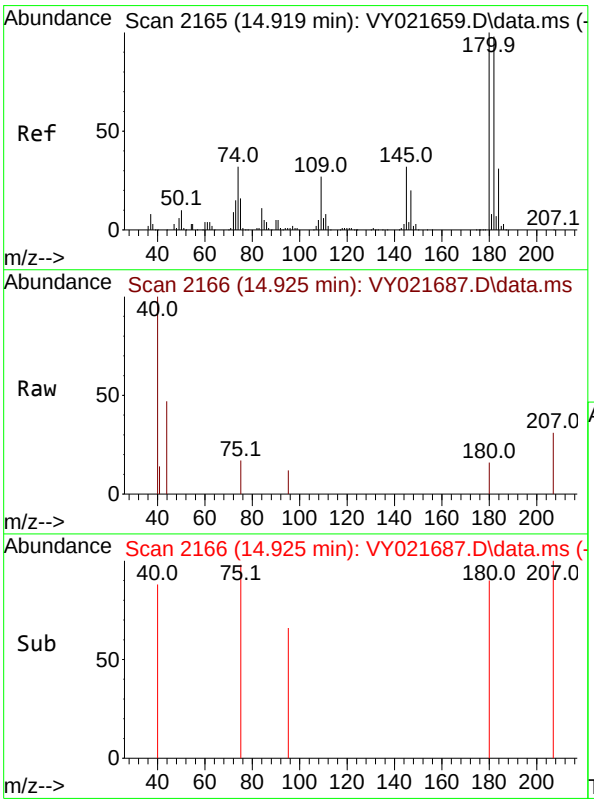
#81
trans-1,4-Dichloro-2-butene
Concen: 205.342 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion: 75 Resp: 1409

Ion	Ratio	Lower	Upper
75	100		
53	0.0	76.1	114.1#
89	0.0	36.2	54.4#

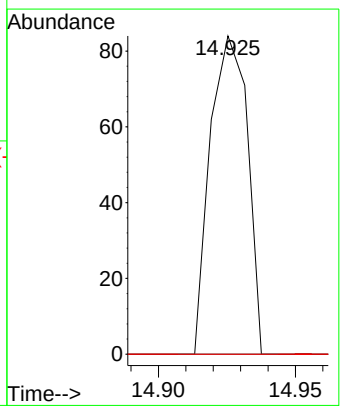


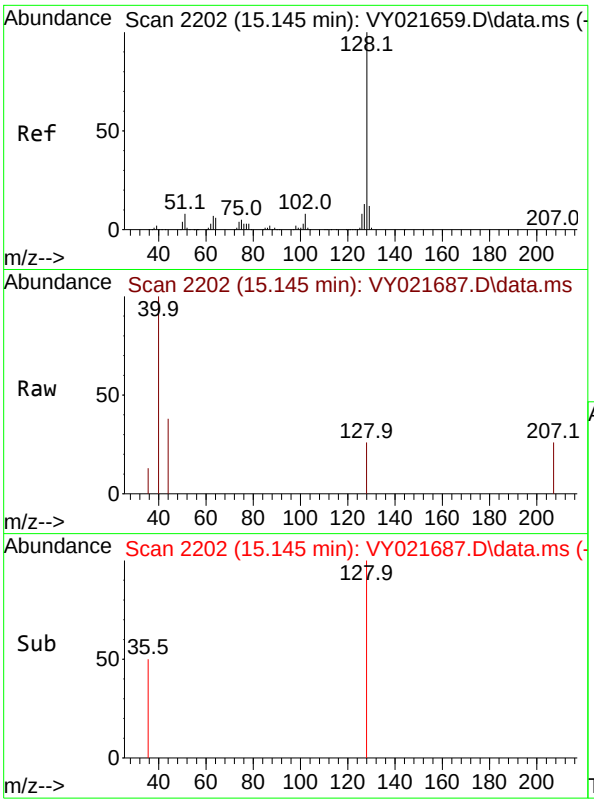


#93
1,2,4-Trichlorobenzene
Concen: 2.986 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. 0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion:180 Resp: 79

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.5	142.6#
145	0.0	14.9	44.9#





#95
Naphthalene
Concen: 4.128 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

Tgt Ion:128 Resp: 181

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.8	13.2#