Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021743.D
Acq On : 01 Apr 2025 15:52
Operator : SY/MD
Sample : Q1687-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Quant Time: Apr 02 03:24:26 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	17540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	18653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	7840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3469	18.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	36.500%#		
35) Dibromofluoromethane	7.634	113	4792	39.604	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.200%		
50) Toluene-d8	10.109	98	18148	39.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	78.860%		
62) 4-Bromofluorobenzene	12.414	95	1184	7.604	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	15.200%#		
Target Compounds						Qvalue
3) Chloromethane	2.068	50	557	2.179	ug/l #	82
5) Bromomethane	2.610	94	515	2.612	ug/l #	60
10) Methyl Iodide	4.025	142	688	3.211	ug/l #	73
16) Acetone	3.860	43	348	8.947	ug/l #	44
20) Methylene Chloride	4.628	84	192	Below Cal	#	7
25) 2-Butanone	6.890	43	64	1.152	ug/l #	48
36) 1,1-Dichloropropene	7.713	75	1357	7.363	ug/l #	42
38) Carbon Tetrachloride	7.707	117	1871	8.864	ug/l #	12
41) Methacrylonitrile	7.305	41	67	1.450	ug/l #	100
48) Methyl methacrylate	9.237	41	81	1.071	ug/l #	35
59) 2-Hexanone	10.969	43	74	1.295	ug/l	75
74) N-amyl acetate	12.194	43	61	4.768	ug/l #	42
76) 1,2,3-Trichloropropane	12.407	75	705	96.896	ug/l #	100
79) 2-Chlorotoluene	12.682	91	74	1.944	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.407	75	705	223.265	ug/l #	11
82) 4-Chlorotoluene	12.682	91	74	1.865	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.042	105	71	1.612	ug/l #	31
85) sec-Butylbenzene	13.042	105	71	1.224	ug/l #	56
93) 1,2,4-Trichlorobenzene	14.919	180	76	6.243	ug/l #	12
94) Hexachlorobutadiene	15.023	225	49	6.445	ug/l #	18
95) Naphthalene	15.145	128	85	4.212	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.334	180	145	13.967	ug/l #	39

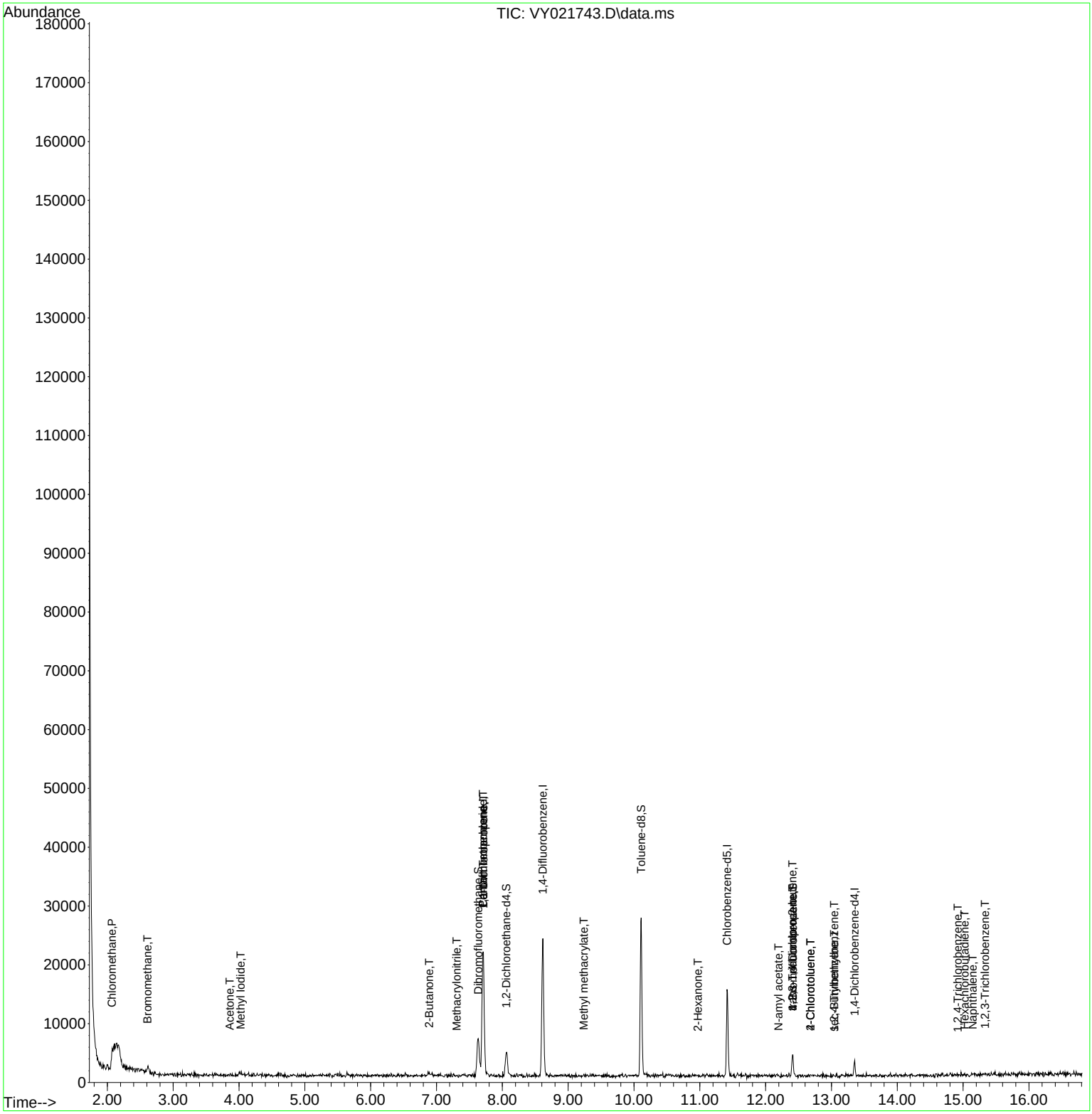
(#) = qualifier out of range (m) = manual integration (+) = signals summed

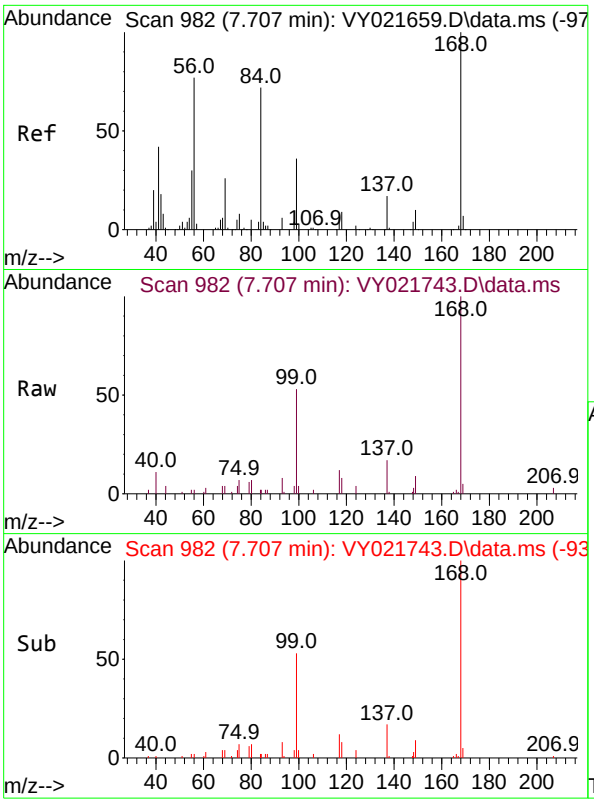
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021743.D
Acq On : 01 Apr 2025 15:52
Operator : SY/MD
Sample : Q1687-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Quant Time: Apr 02 03:24:26 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



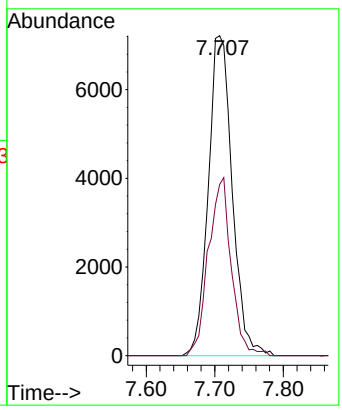


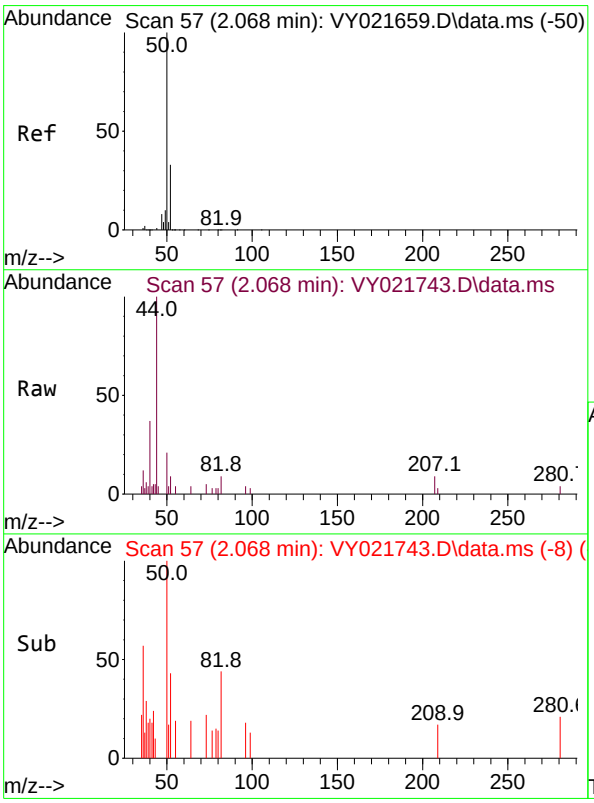
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:168 Resp: 17540

Ion	Ratio	Lower	Upper
168	100		
99	53.5	46.7	70.1

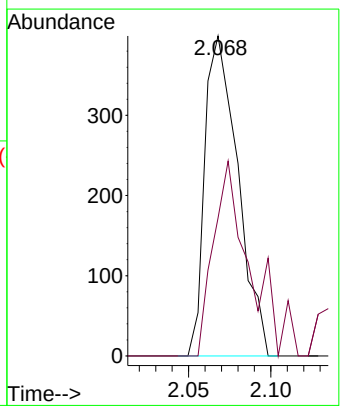


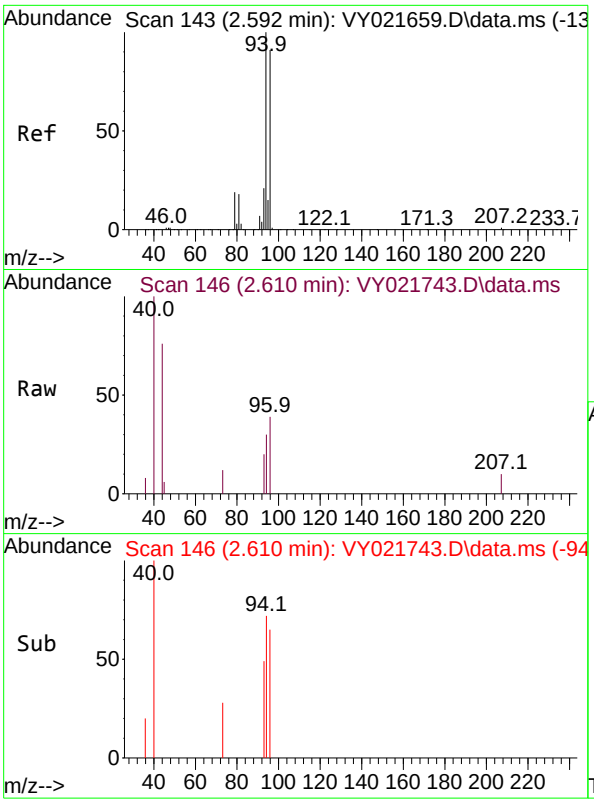


#3
Chloromethane
Concen: 2.179 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 50 Resp: 557

Ion	Ratio	Lower	Upper
50	100		
52	43.1	26.3	39.5#



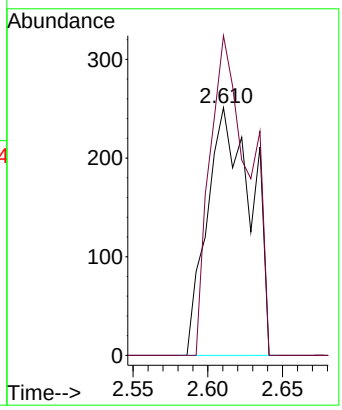


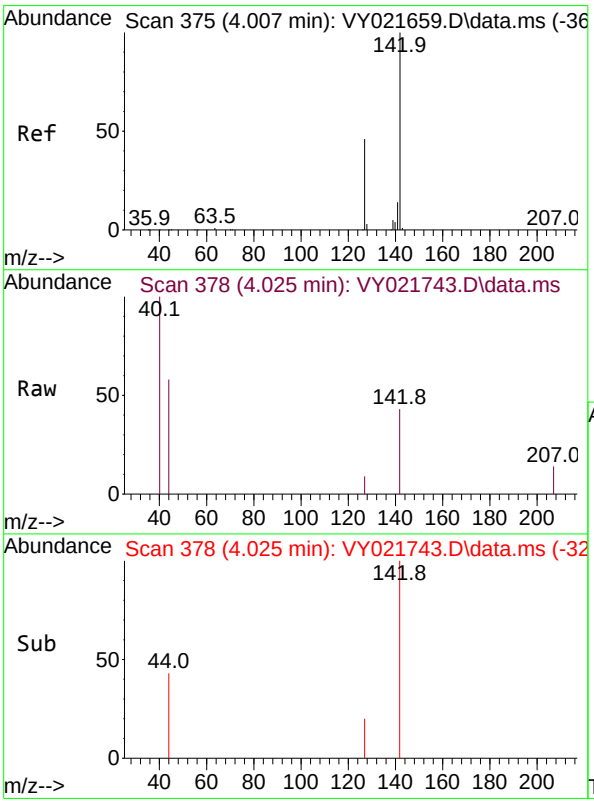
#5
Bromomethane
Concen: 2.612 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 94 Resp: 515

Ion	Ratio	Lower	Upper
94	100		
96	129.1	72.8	109.2#

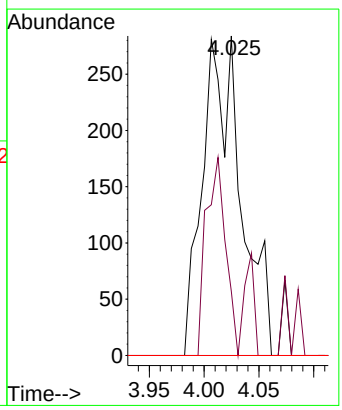


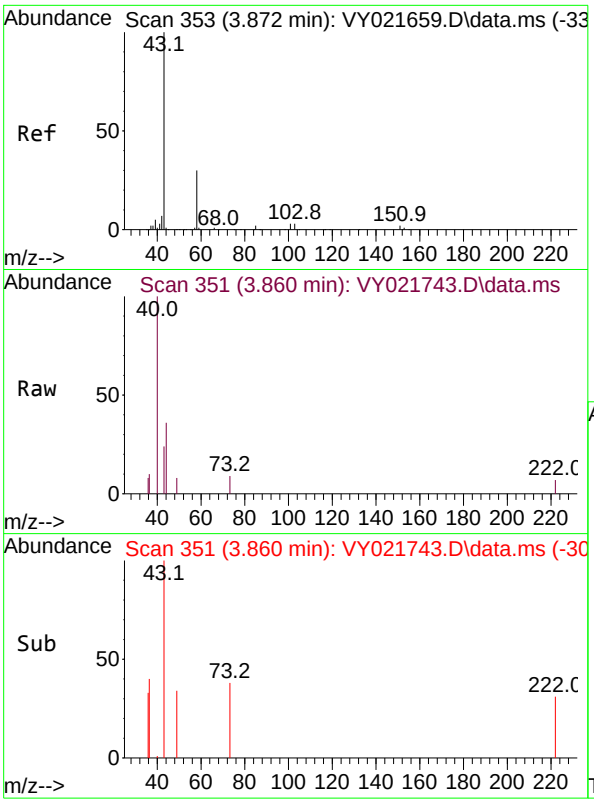


#10
Methyl Iodide
Concen: 3.211 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.018 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:142 Resp: 688

Ion	Ratio	Lower	Upper
142	100		
127	31.8	38.7	58.1#
141	0.0	11.5	17.3#



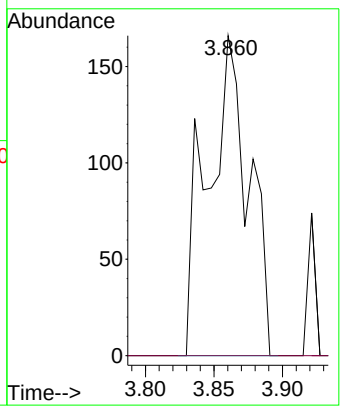


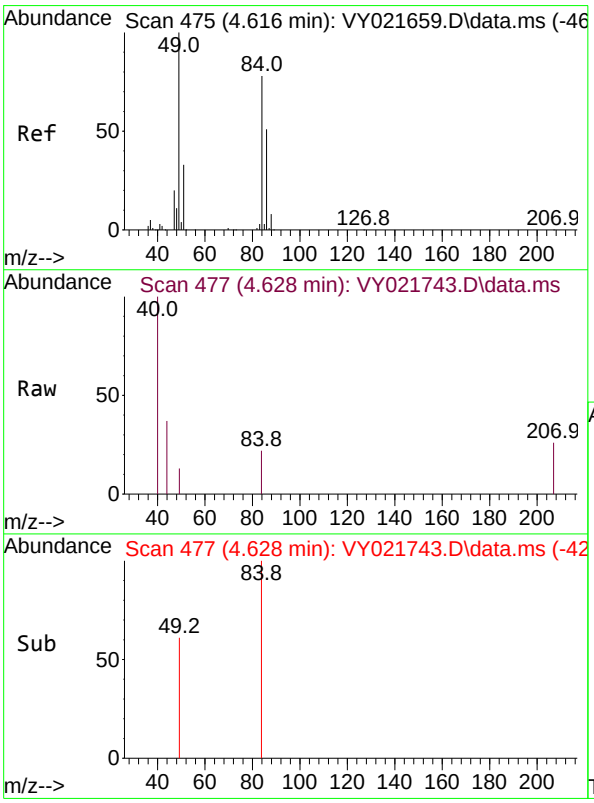
#16
Acetone
Concen: 8.947 ug/l
RT: 3.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 43 Resp: 348

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#

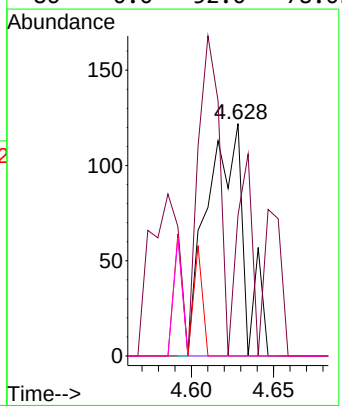


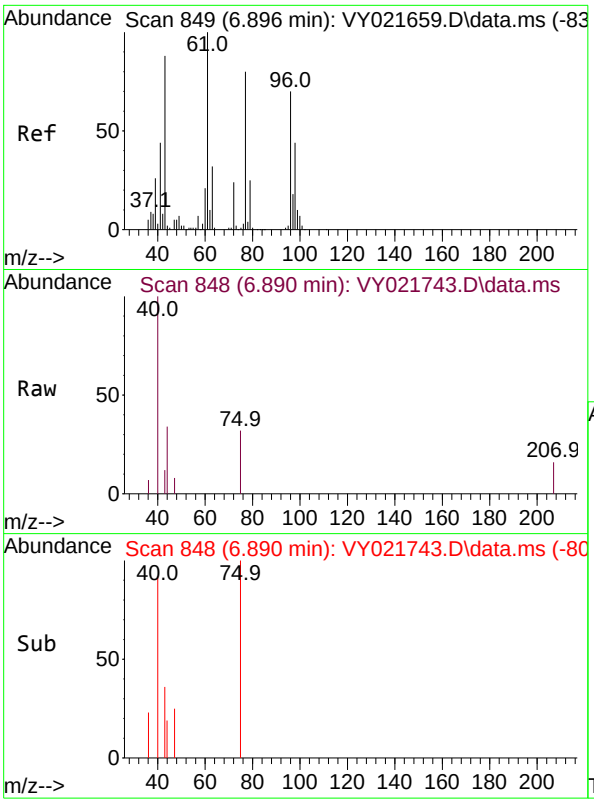


#20
Methylene Chloride
Concen: Below Cal
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 84 Resp: 192

Ion	Ratio	Lower	Upper
84	100		
49	4.9	102.8	154.2#
51	0.0	33.5	50.3#
86	0.0	52.0	78.0#



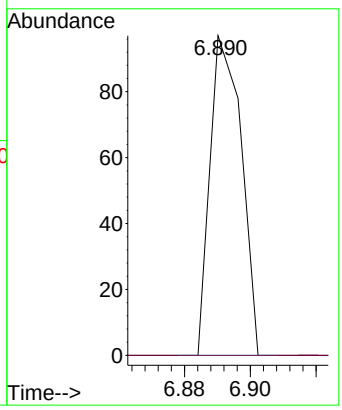


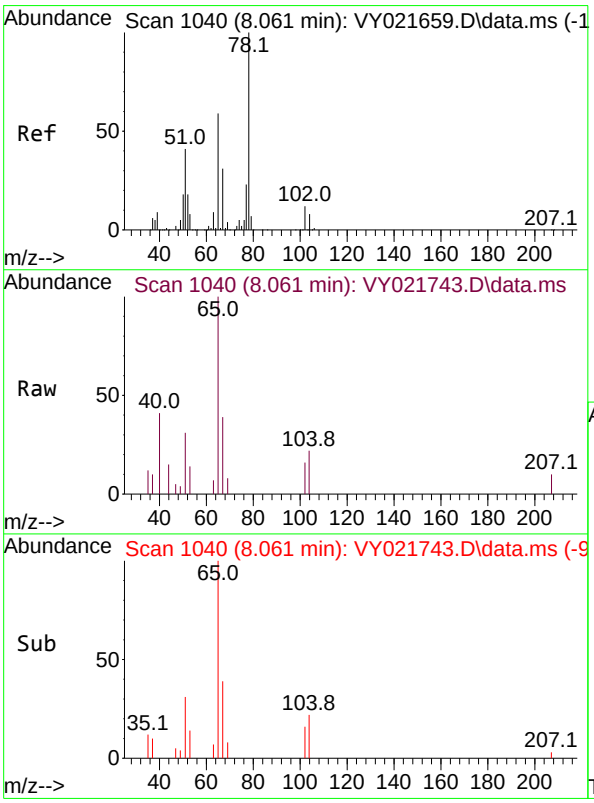
#25
2-Butanone
Concen: 1.152 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#

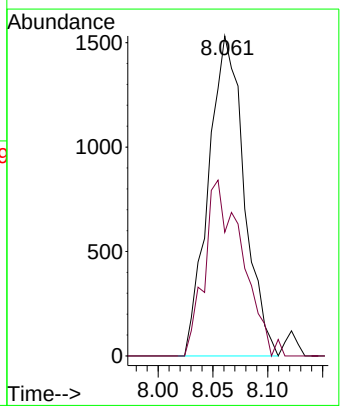


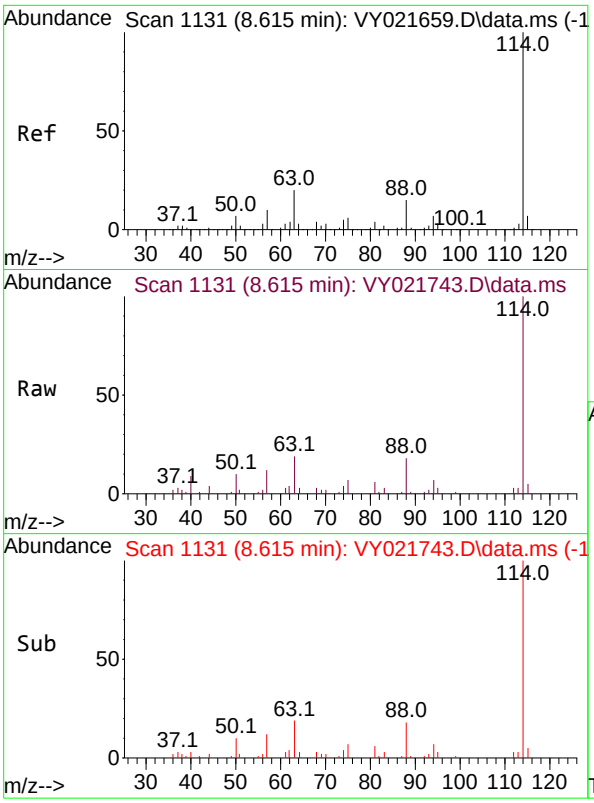


#33
1,2-Dichloroethane-d4
Concen: 18.254 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 65 Resp: 3469

Ion	Ratio	Lower	Upper
65	100		
67	57.9	0.0	104.6



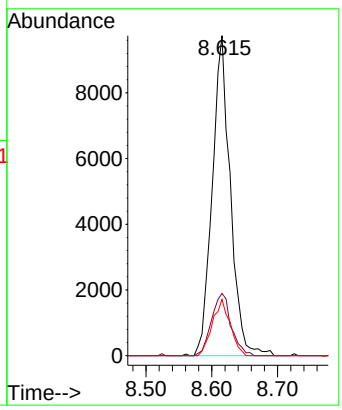


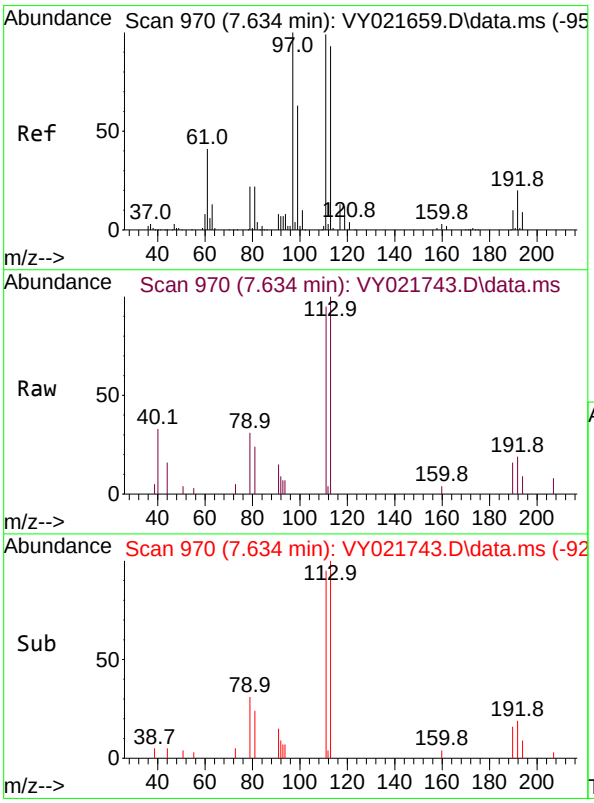
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:114 Resp: 18653

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	17.6	0.0	29.8

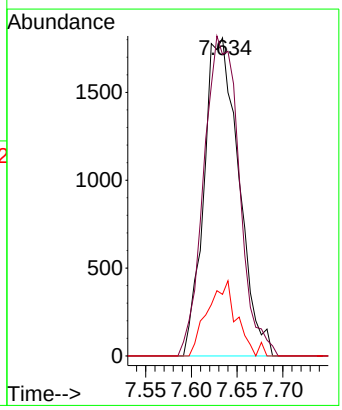


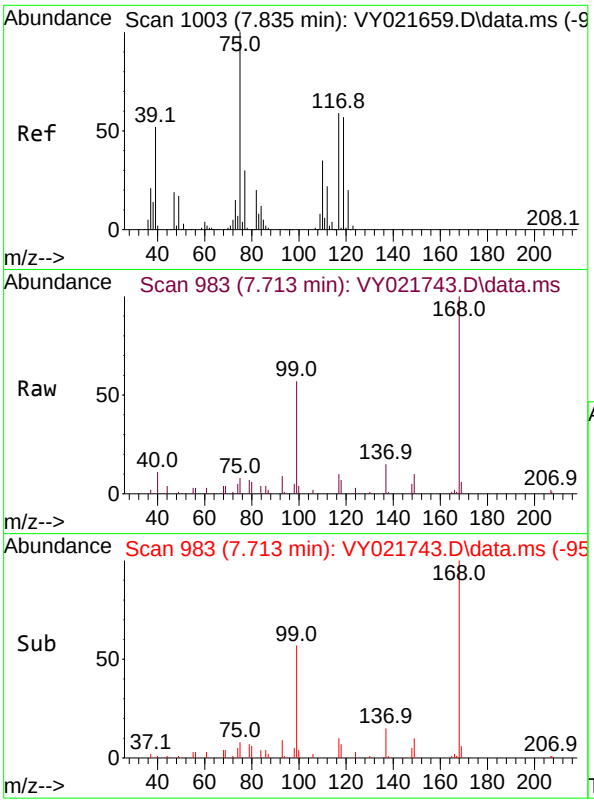


#35
Dibromofluoromethane
Concen: 39.604 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:113 Resp: 4792

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	19.4	16.2	24.4



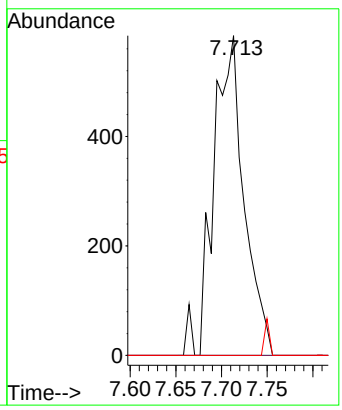


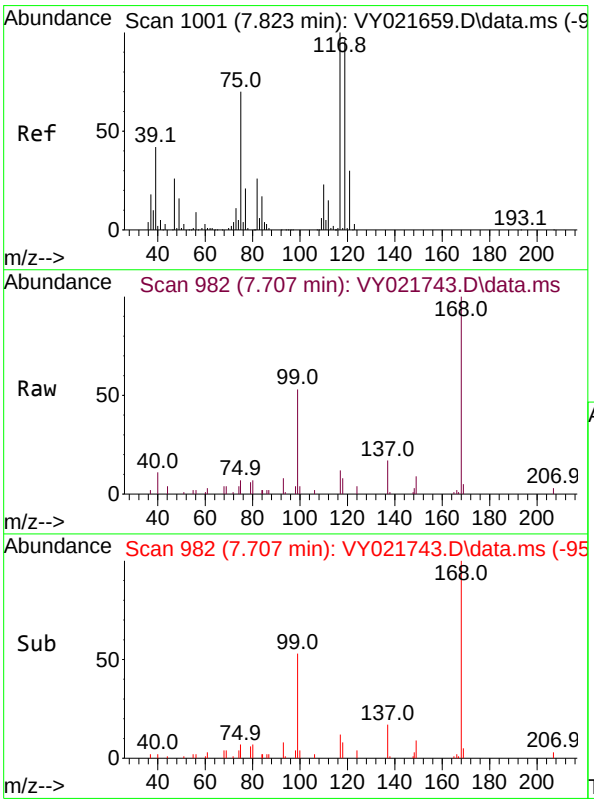
#36
1,1-Dichloropropene
Concen: 7.363 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.122 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 75 Resp: 1357

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

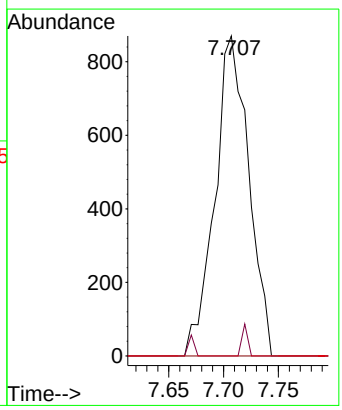


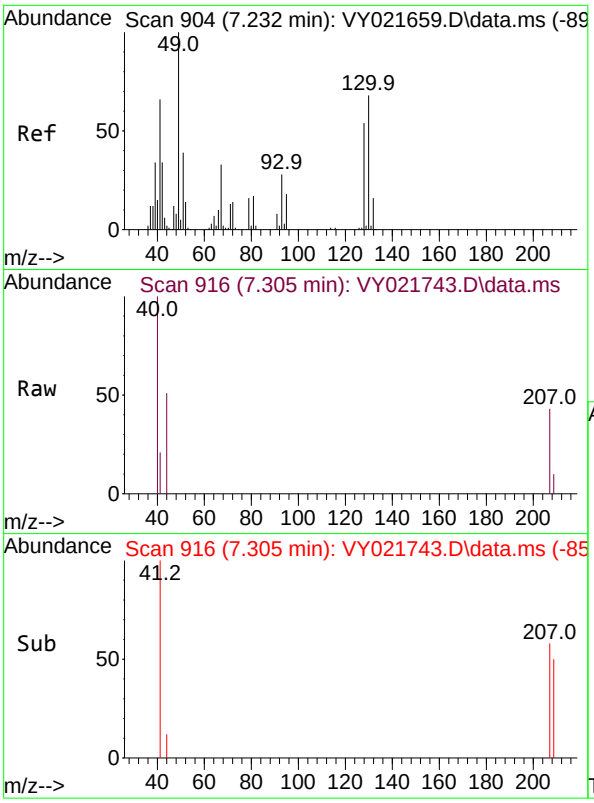


#38
Carbon Tetrachloride
Concen: 8.864 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:117 Resp: 1871

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



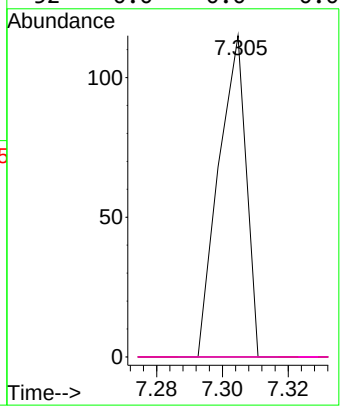


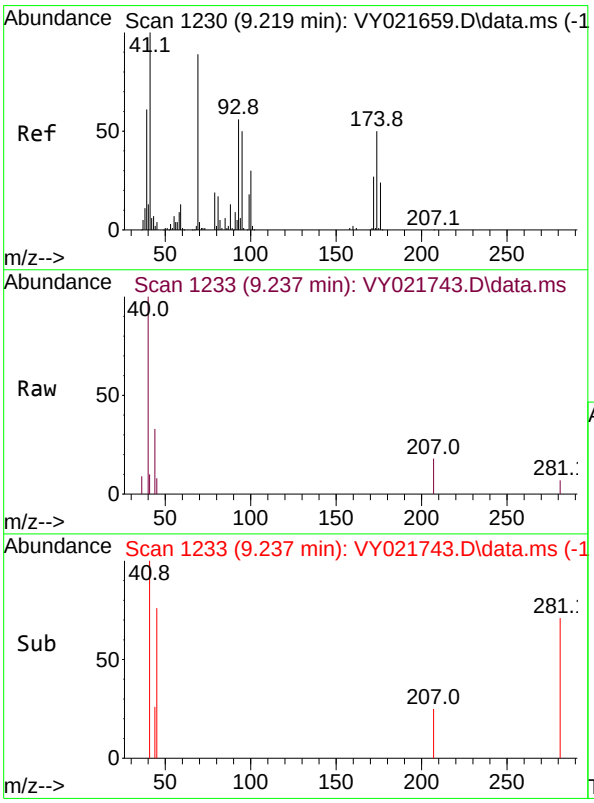
#41
Methacrylonitrile
Concen: 1.450 ug/l
RT: 7.305 min Scan# 9
Delta R.T. 0.073 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 41 Resp: 67

Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

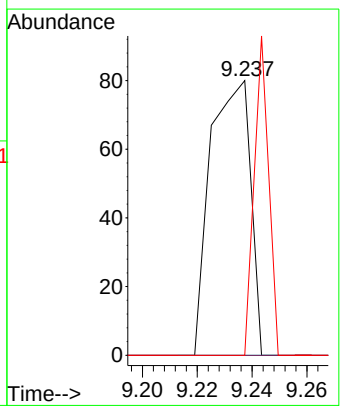


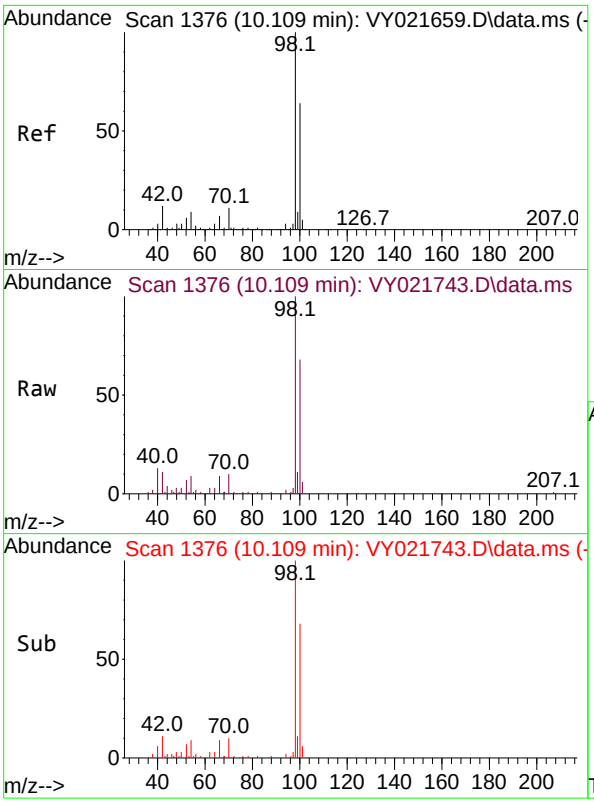


#48
Methyl methacrylate
Concen: 1.071 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.018 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 41 Resp: 81

Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.8#
39	42.0	47.2	70.8#



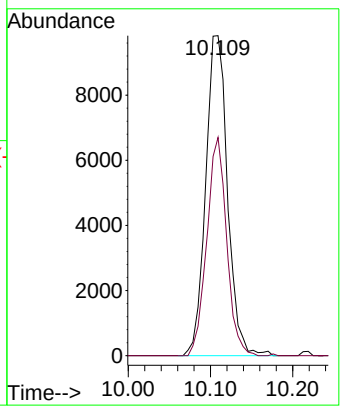


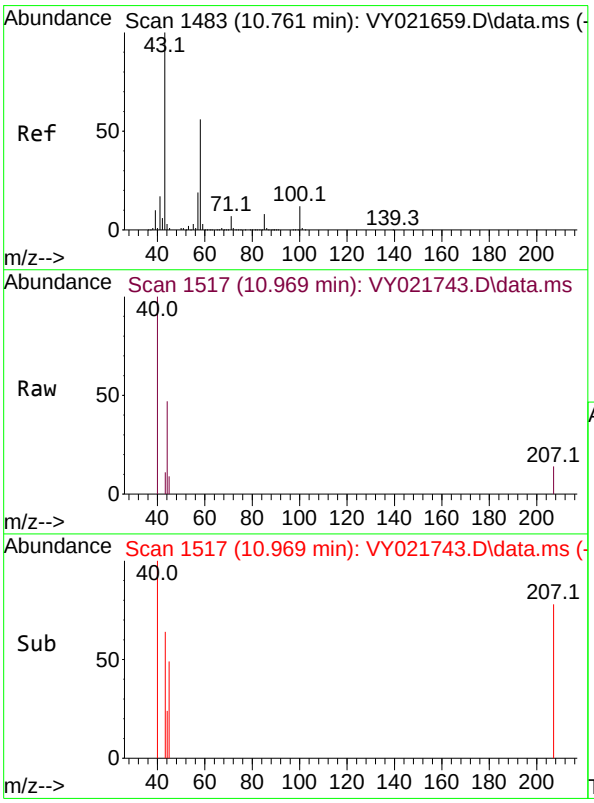
#50
Toluene-d8
Concen: 39.425 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 98 Resp: 18148

Ion	Ratio	Lower	Upper
98	100		
100	62.0	52.1	78.1

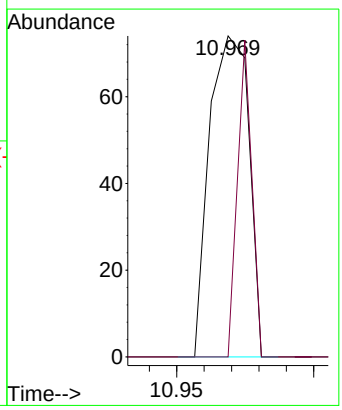


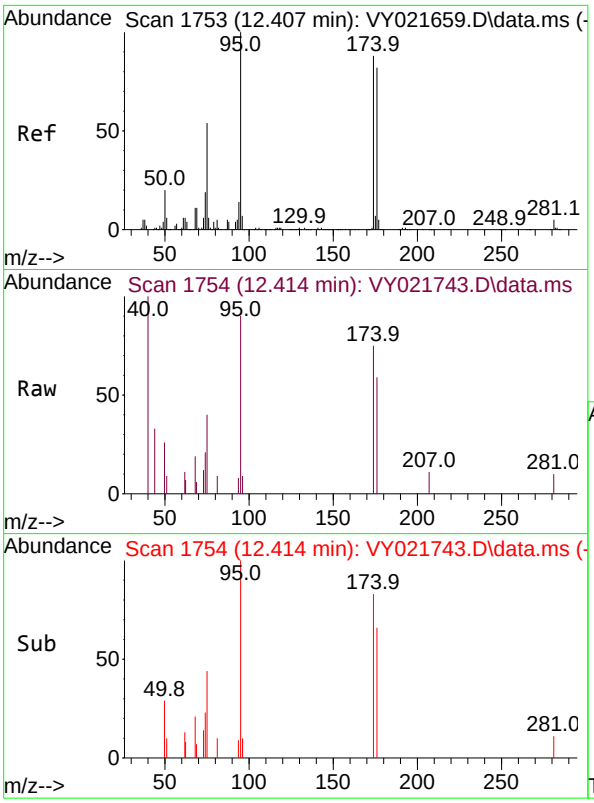


#59
2-Hexanone
Concen: 1.295 ug/l
RT: 10.969 min Scan# 1517
Delta R.T. 0.207 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 43 Resp: 74

Ion	Ratio	Lower	Upper
43	100		
58	36.5	27.2	81.5



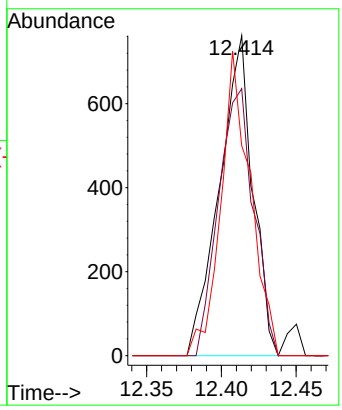


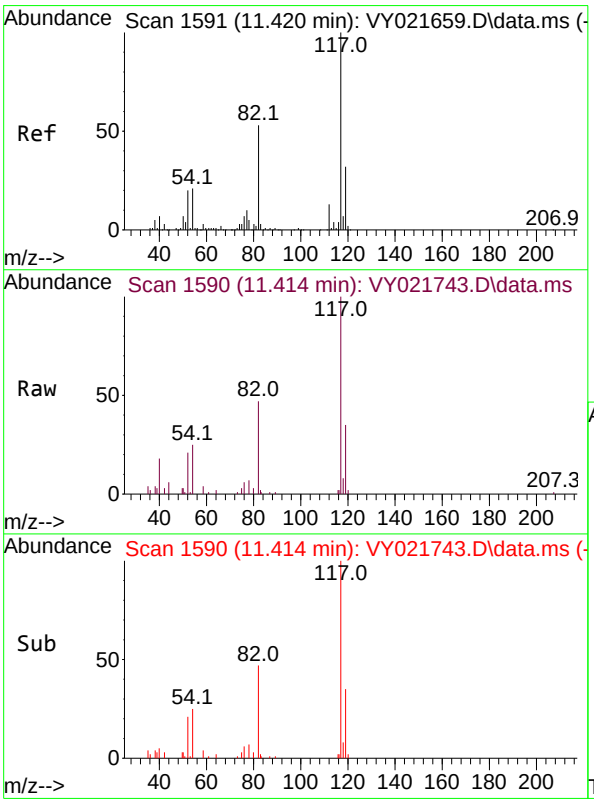
#62
4-Bromofluorobenzene
Concen: 7.604 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 95 Resp: 1184

Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	170.8
176	84.0	0.0	162.0

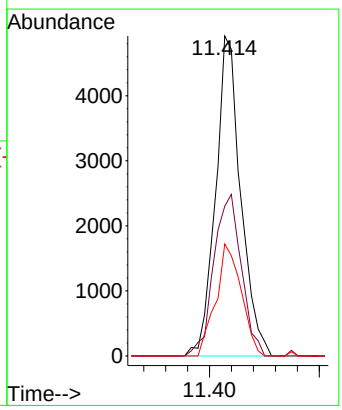


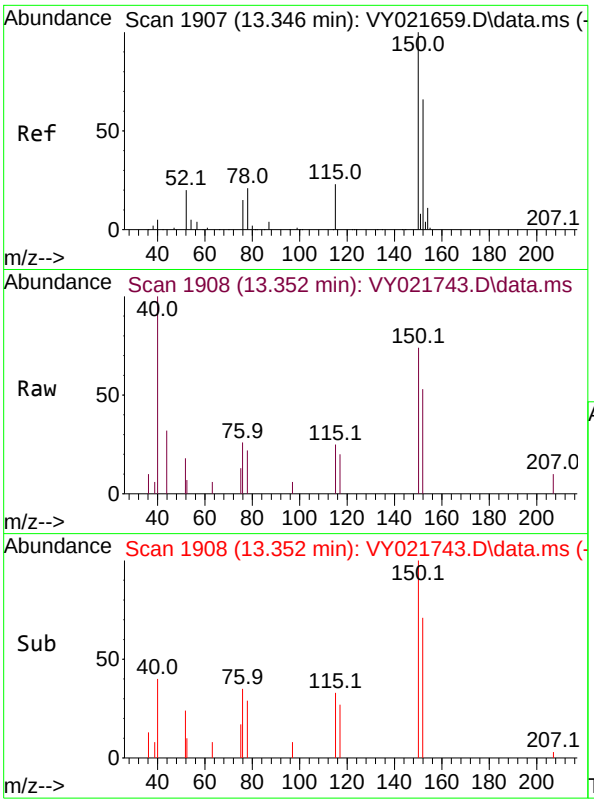


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:117 Resp: 7840

Ion	Ratio	Lower	Upper
117	100		
82	46.8	42.8	64.2
119	35.0	25.7	38.5



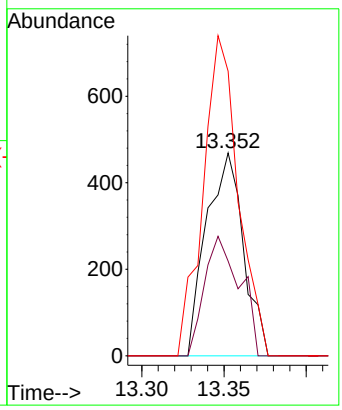


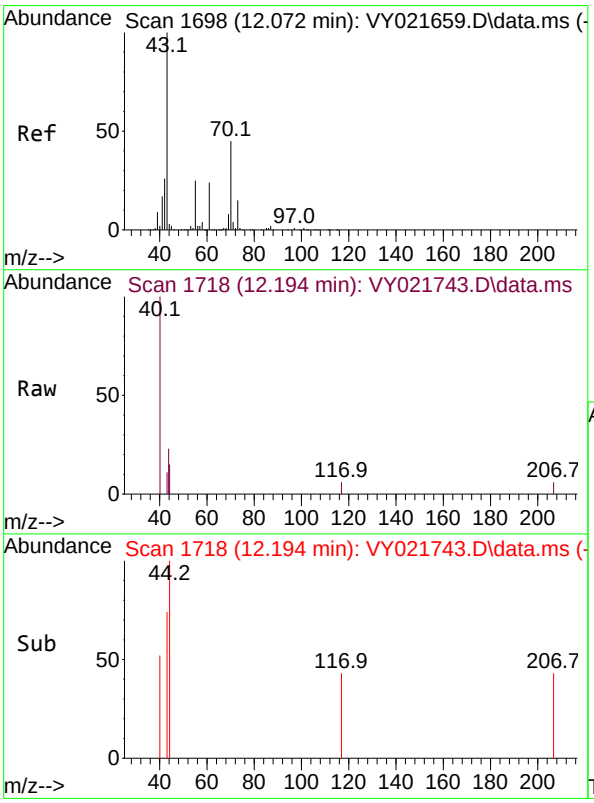
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:152 Resp: 734

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.8	86.5
150	150.3	0.0	348.4

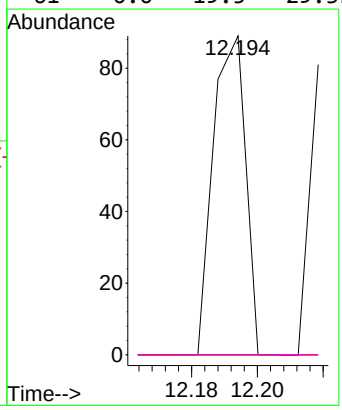


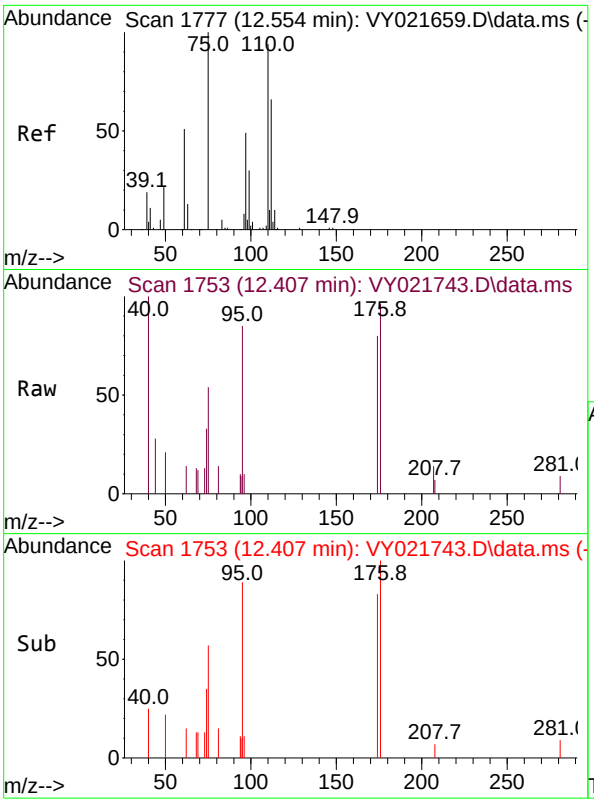


#74
N-amyl acetate
Concen: 4.768 ug/l
RT: 12.194 min Scan# 1718
Delta R.T. 0.122 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 43 Resp: 61

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#



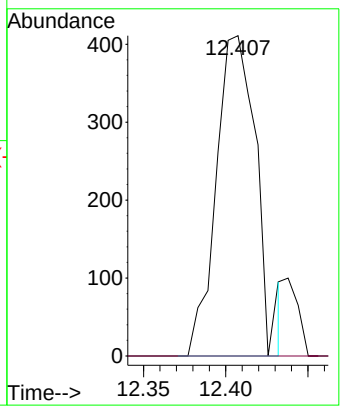


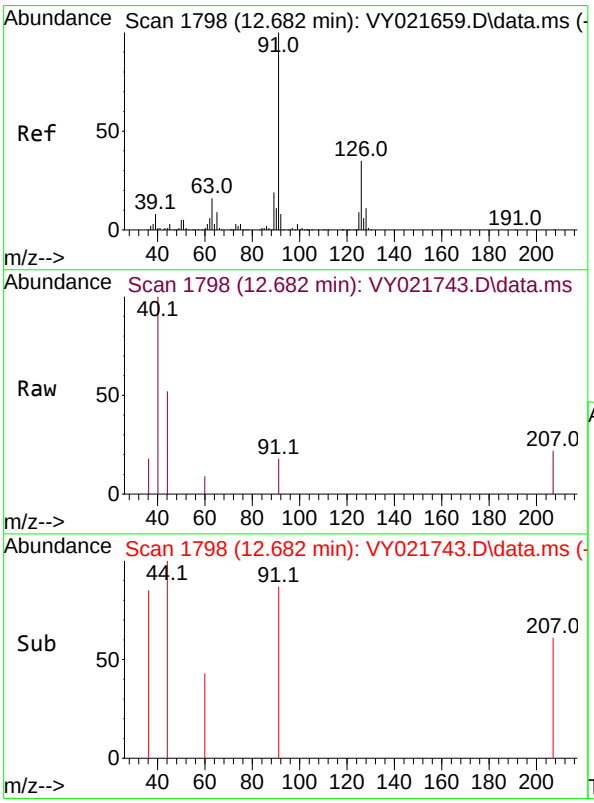
#76
1,2,3-Trichloropropane
Concen: 96.896 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.146 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 75 Resp: 705

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

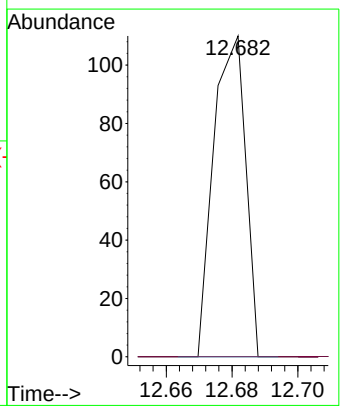


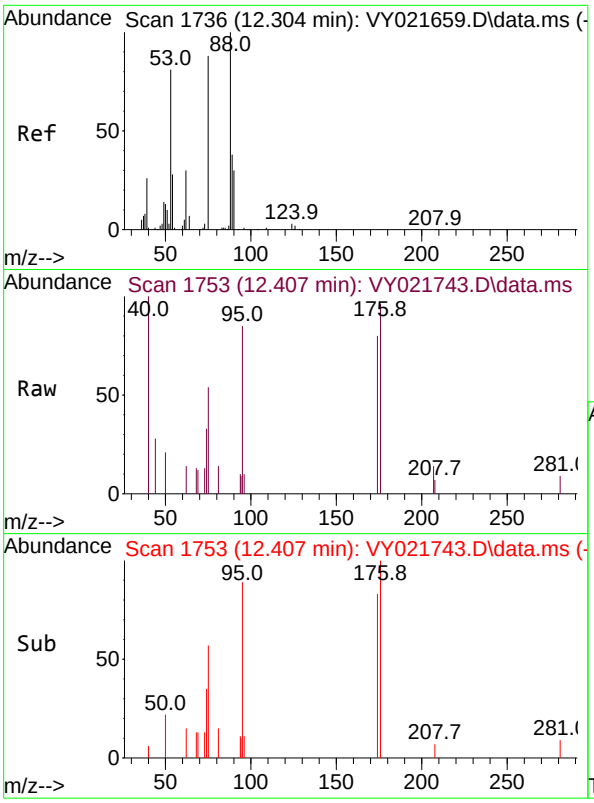


#79
2-Chlorotoluene
Concen: 1.944 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 91 Resp: 74

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.3	52.0#



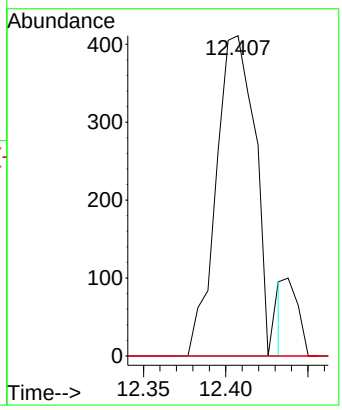


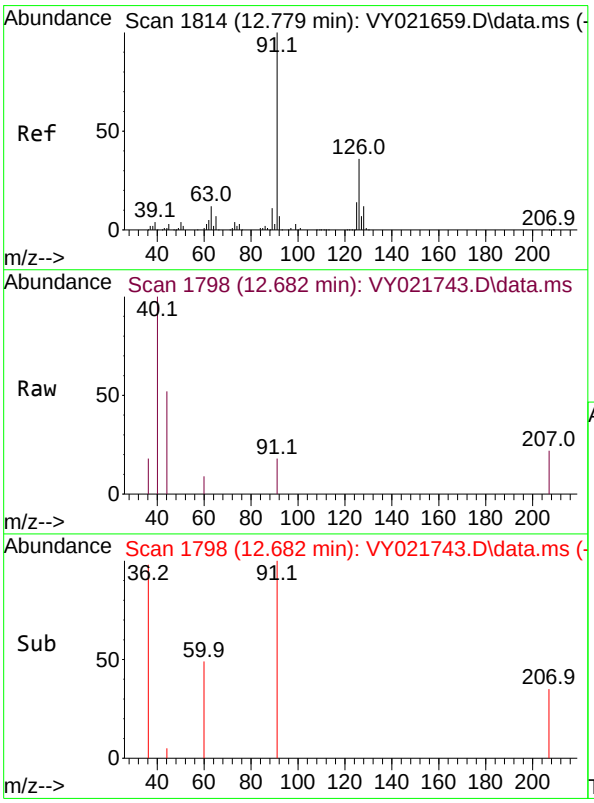
#81
trans-1,4-Dichloro-2-butene
Concen: 223.265 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion: 75 Resp: 705

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

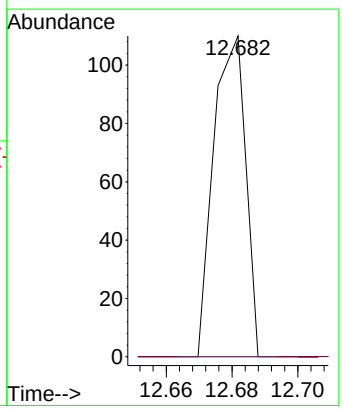


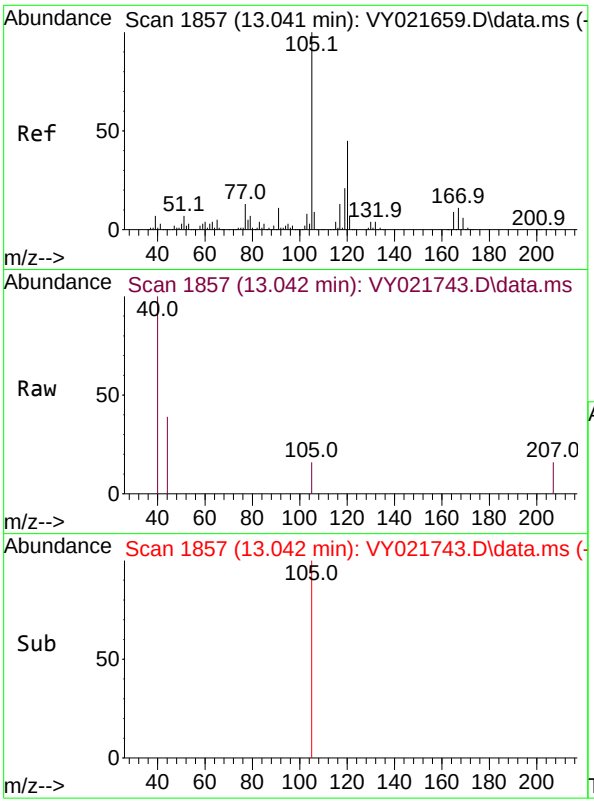


#82
4-Chlorotoluene
Concen: 1.865 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.098 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion: 91 Resp: 74

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	50.9#



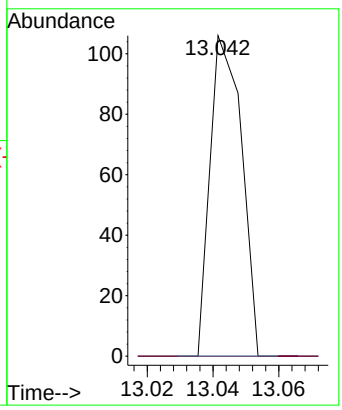


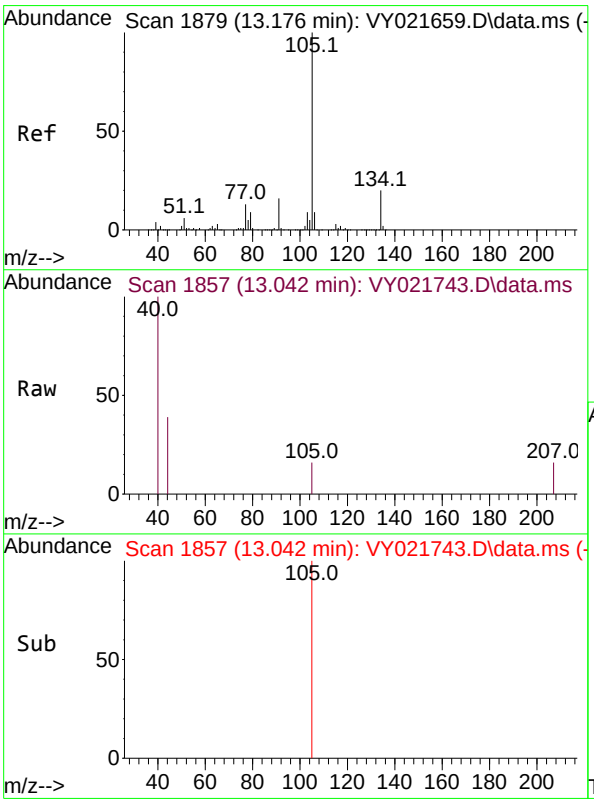
#84
1,2,4-Trimethylbenzene
Concen: 1.612 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:105 Resp: 71

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.7	68.1#

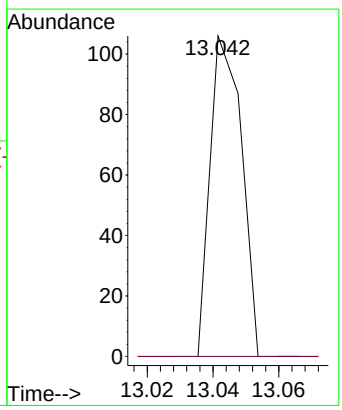


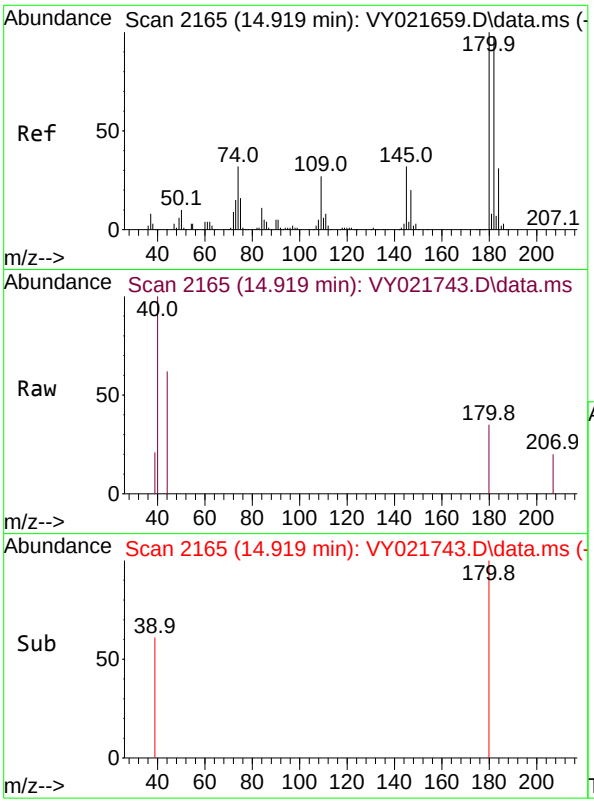


#85
sec-Butylbenzene
Concen: 1.224 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.134 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:105 Resp: 71

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.1#



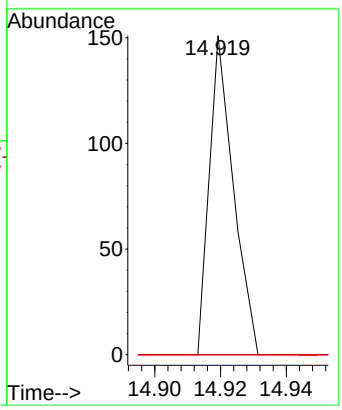


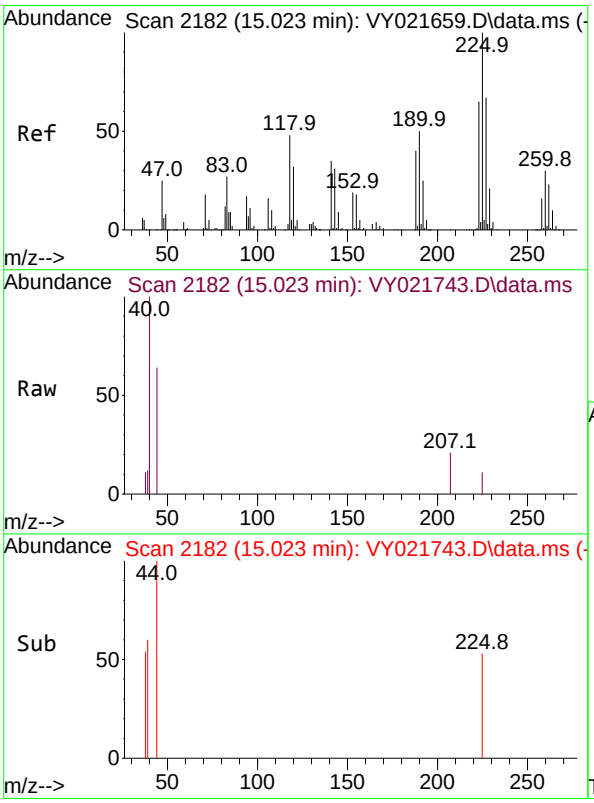
#93
1,2,4-Trichlorobenzene
Concen: 6.243 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:180 Resp: 76

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

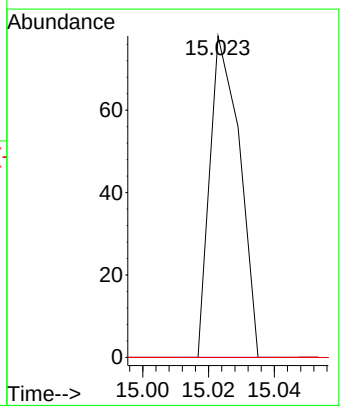


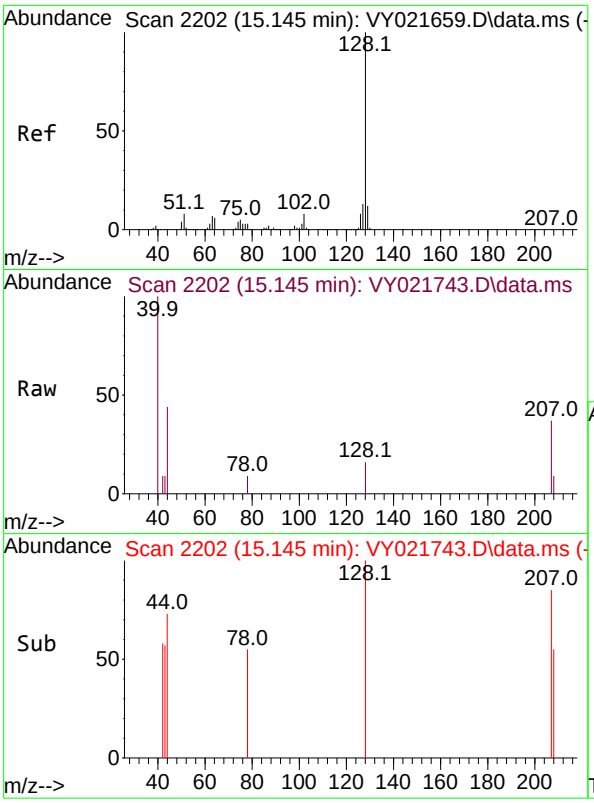


#94
Hexachlorobutadiene
Concen: 6.445 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:225 Resp: 49

Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.9	95.7#
227	0.0	32.4	97.0#



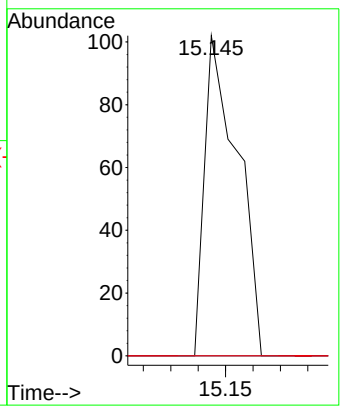


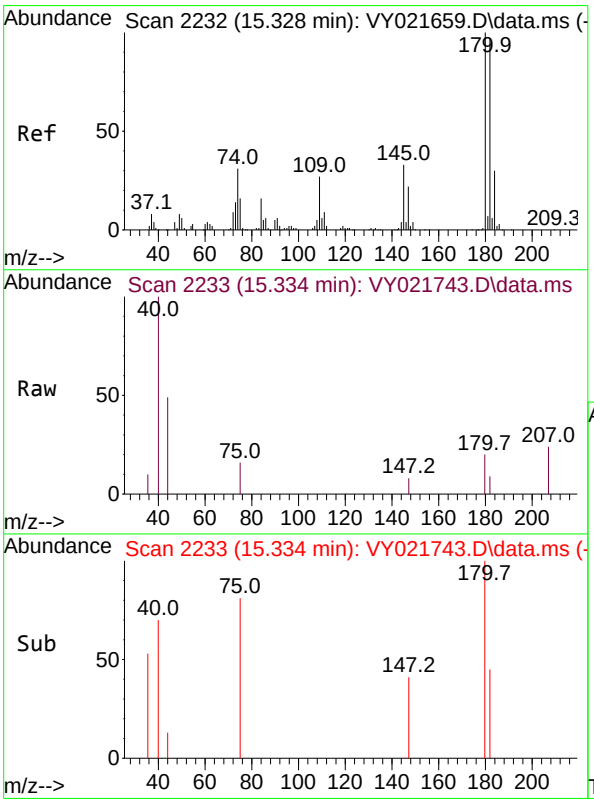
#95
Naphthalene
Concen: 4.212 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
72-12016

Tgt Ion:128 Resp: 85

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





#96
1,2,3-Trichlorobenzene
Concen: 13.967 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY021743.D
Acq: 01 Apr 2025 15:52

Tgt Ion:180 Resp: 145

Ion	Ratio	Lower	Upper
180	100		
182	34.5	47.5	142.5#
145	0.0	15.9	47.7#