Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021485.D
Acq On : 11 Mar 2025 14:45
Operator : SY/MD
Sample : Q1535-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 12 01:25:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	4312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	6860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	4681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3423	75.107	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.220%			
35) Dibromofluoromethane	7.634	113	2279	50.541	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.080%			
50) Toluene-d8	10.109	98	8209	48.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.160%			
62) 4-Bromofluorobenzene	12.408	95	840	14.464	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 28.920%#			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	354	6.345	ug/l #	88
5) Bromomethane	2.604	94	447	10.145	ug/l #	73
6) Chloroethane	2.800	64	41	1.018	ug/l #	41
10) Methyl Iodide	4.001	142	530	10.732	ug/l #	54
13) Acrolein	3.738	56	20	8.628	ug/l #	10
15) Acrylonitrile	5.141	53	43	4.283	ug/l #	27
16) Acetone	3.854	43	334	33.600	ug/l #	47
18) Methyl Acetate	4.348	43	34	1.542	ug/l #	51
20) Methylene Chloride	4.604	84	253	4.849	ug/l #	54
25) 2-Butanone	6.793	43	27	1.964	ug/l #	48
29) Tetrahydrofuran	7.238	42	66	7.775	ug/l #	33
31) Cyclohexane	7.707	56	89	1.043	ug/l #	82
36) 1,1-Dichloropropene	7.713	75	441	6.248	ug/l #	41
37) Ethyl Acetate	7.037	43	58	1.859	ug/l #	68
38) Carbon Tetrachloride	7.701	117	458	5.642	ug/l #	12
41) Methacrylonitrile	7.189	41	28	1.648	ug/l #	1
59) 2-Hexanone	10.810	43	21	1.016	ug/l #	24
74) N-amyl acetate	12.060	43	27	2.764	ug/l #	42
76) 1,2,3-Trichloropropane	12.408	75	615	106.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	615	242.982	ug/l #	9
95) Naphthalene	15.139	128	40	4.023	ug/l #	69

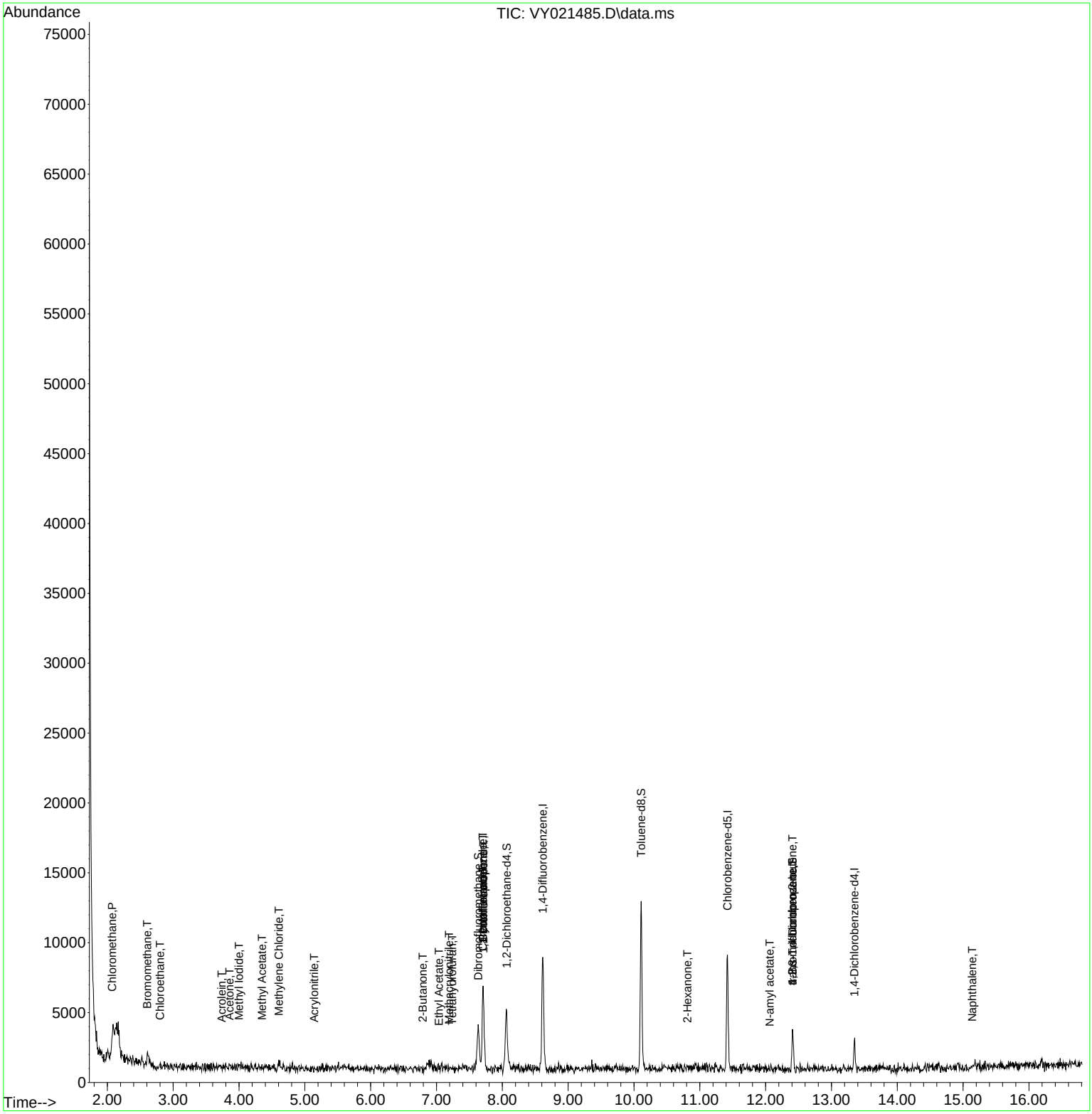
(#) = qualifier out of range (m) = manual integration (+) = signals summed

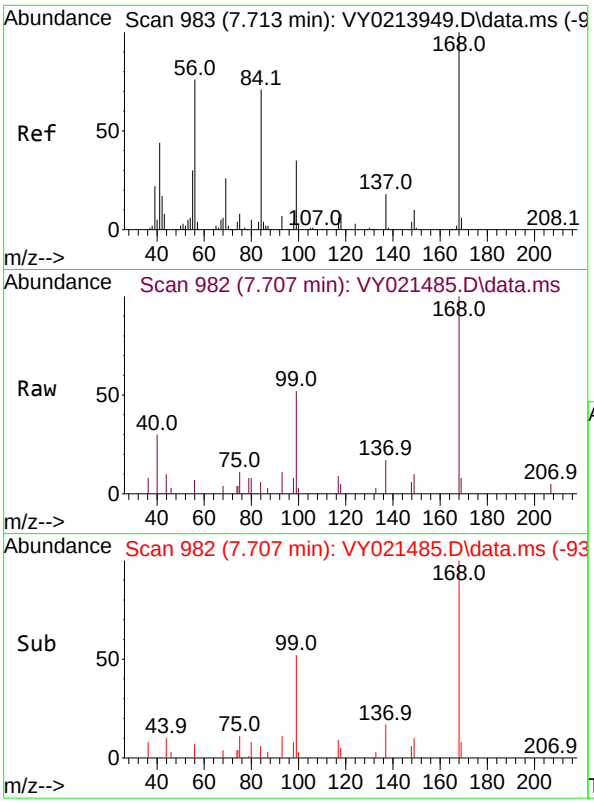
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021485.D
Acq On : 11 Mar 2025 14:45
Operator : SY/MD
Sample : Q1535-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 12 01:25:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



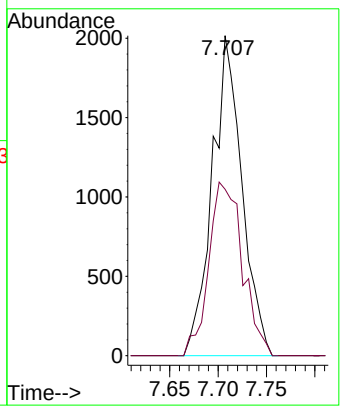


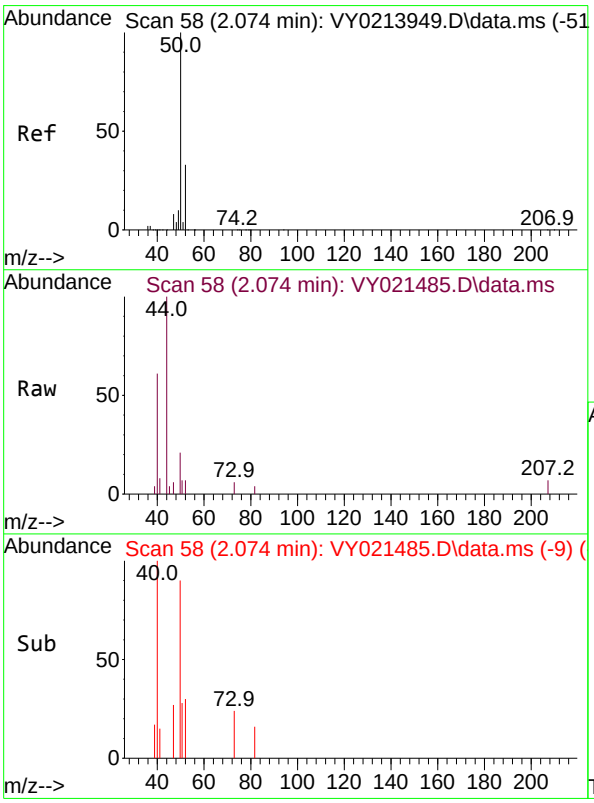
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 4312

Ion	Ratio	Lower	Upper
168	100		
99	52.0	46.0	69.0

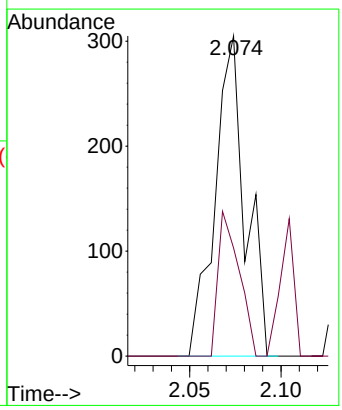


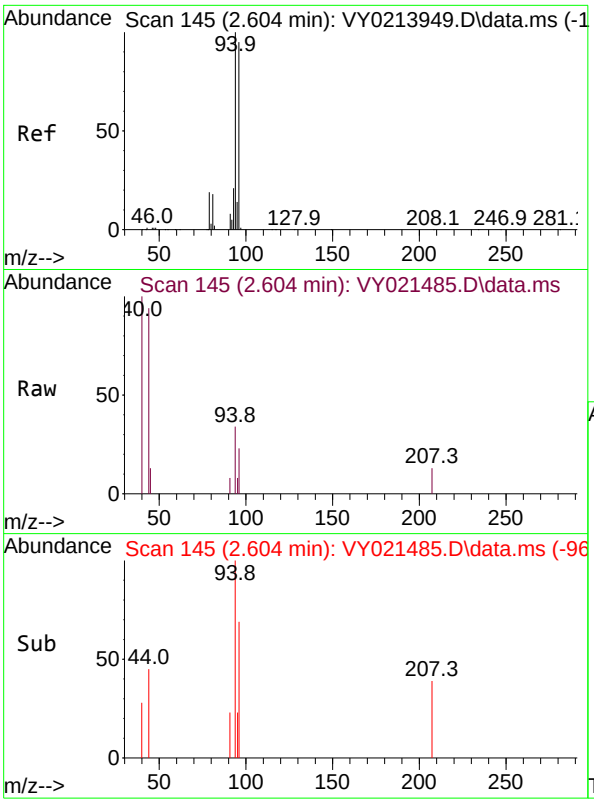


#3
Chloromethane
Concen: 6.345 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 50 Resp: 354

Ion	Ratio	Lower	Upper
50	100		
52	25.8	26.2	39.2#



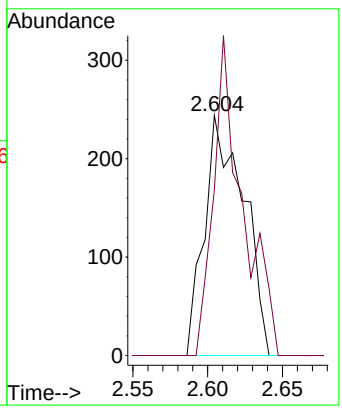


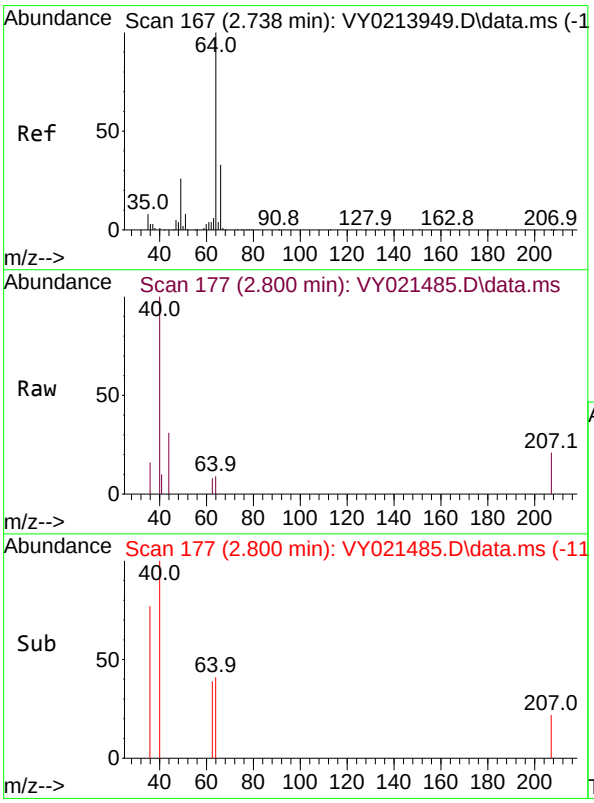
#5
Bromomethane
Concen: 10.145 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 94 Resp: 447

Ion	Ratio	Lower	Upper
94	100		
96	68.9	76.3	114.5#

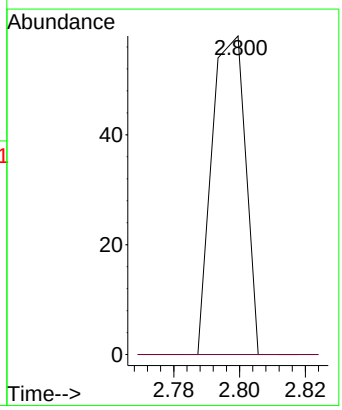


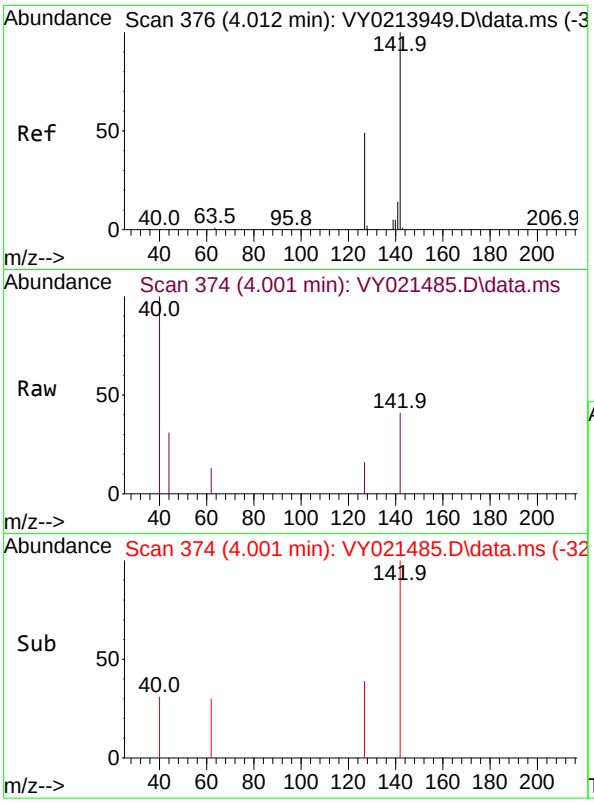


#6
Chloroethane
Concen: 1.018 ug/l
RT: 2.800 min Scan# 177
Delta R.T. 0.061 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 64 Resp: 41

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.7	40.1#



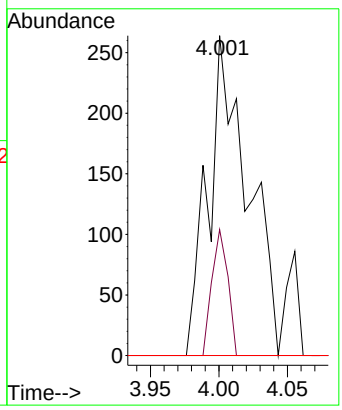


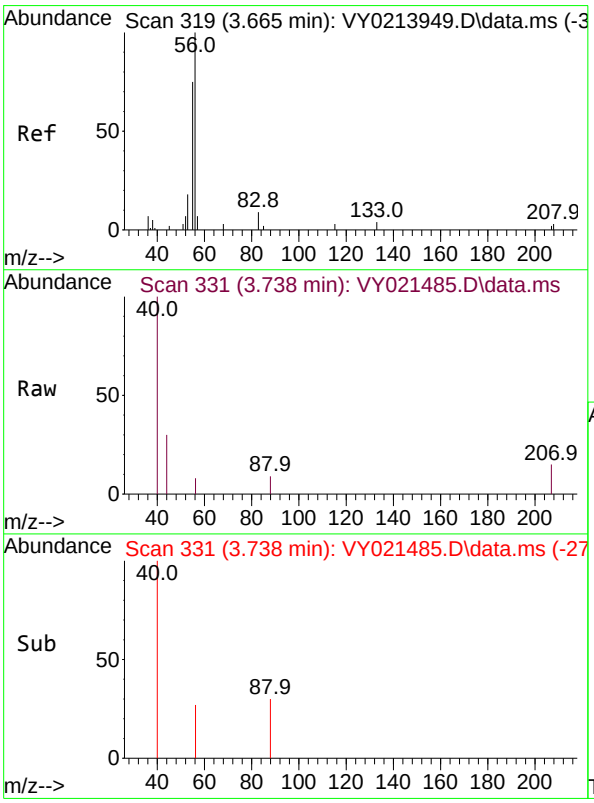
#10
Methyl Iodide
Concen: 10.732 ug/l
RT: 4.001 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:142 Resp: 530

Ion	Ratio	Lower	Upper
142	100		
127	15.8	39.1	58.7#
141	0.0	11.8	17.6#

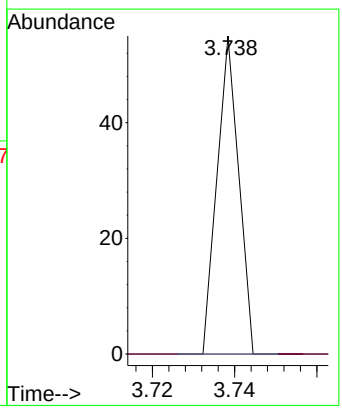


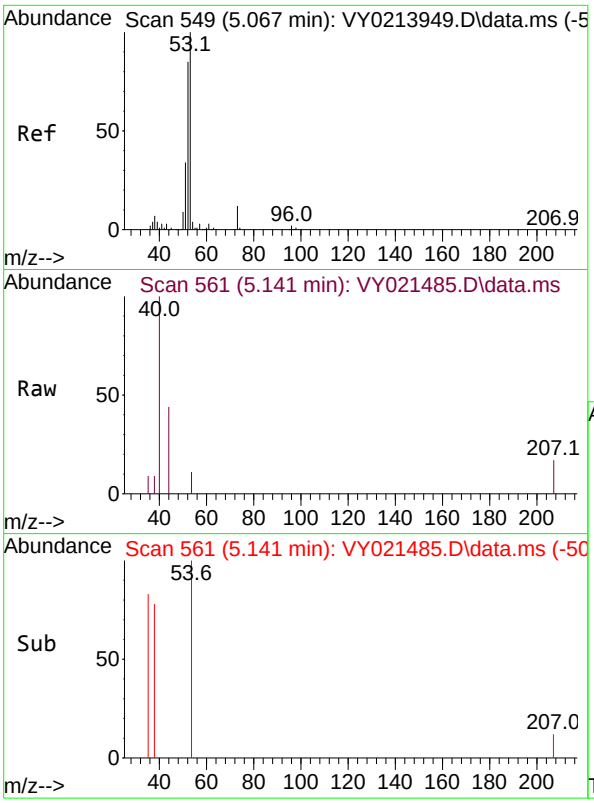


#13
Acrolein
Concen: 8.628 ug/l
RT: 3.738 min Scan# 331
Delta R.T. 0.073 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 56 Resp: 20

Ion	Ratio	Lower	Upper
56	100		
55	0.0	63.4	95.2#



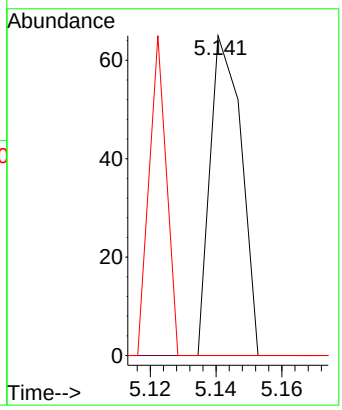


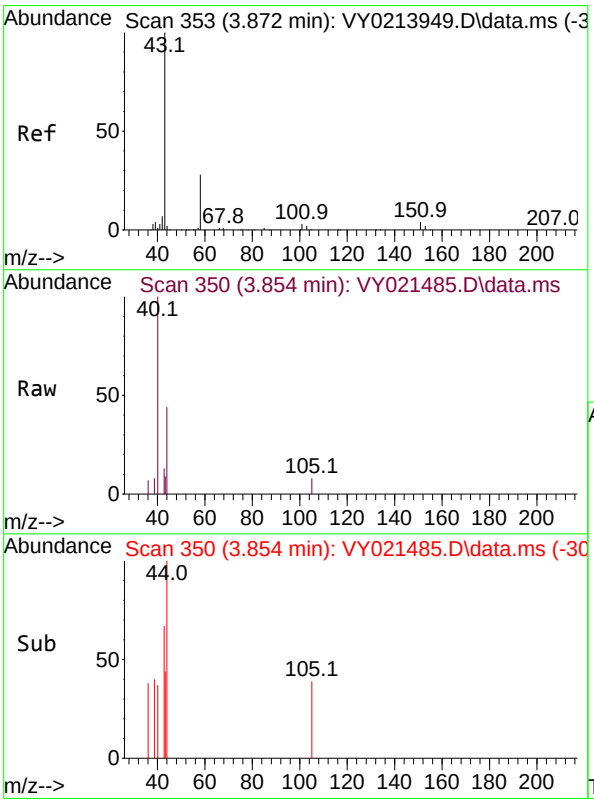
#15
Acrylonitrile
Concen: 4.283 ug/l
RT: 5.141 min Scan# 5
Delta R.T. 0.074 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 53 Resp: 43

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.3	99.5#
51	55.8	30.3	45.5#

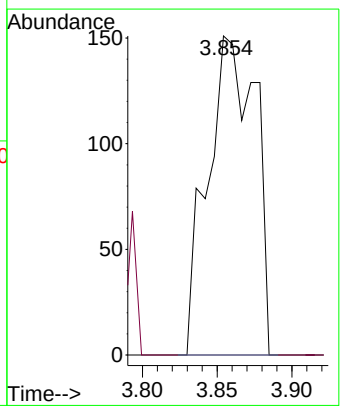


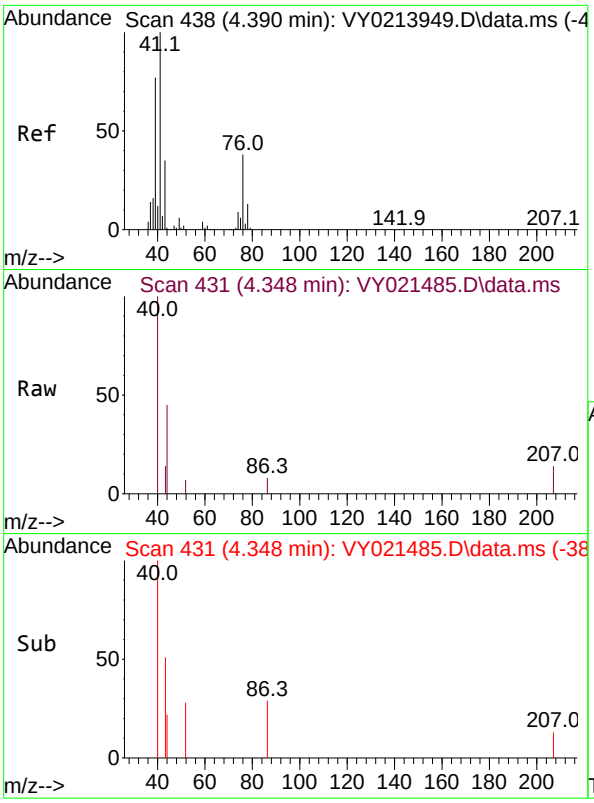


#16
Acetone
Concen: 33.600 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 43 Resp: 334

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#



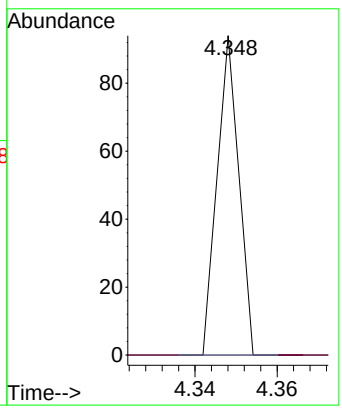


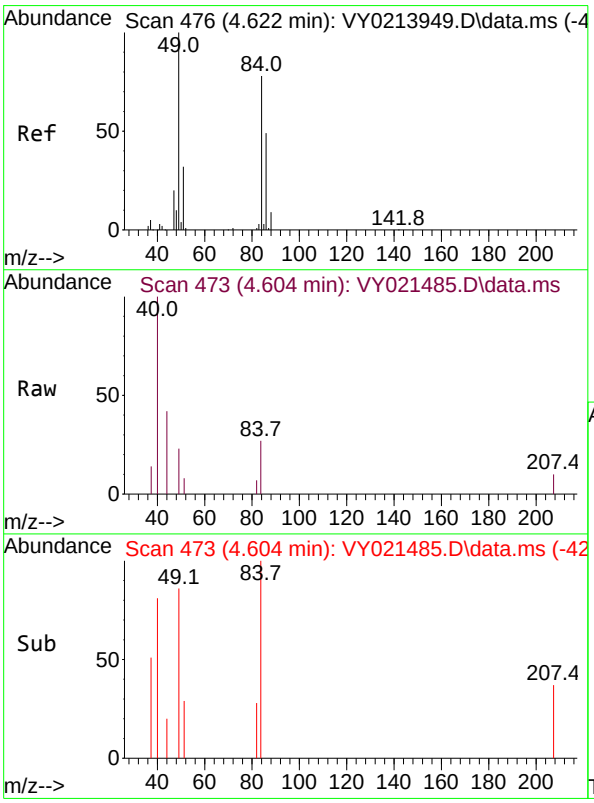
#18
Methyl Acetate
Concen: 1.542 ug/l
RT: 4.348 min Scan# 4
Delta R.T. -0.042 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 34

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.0#

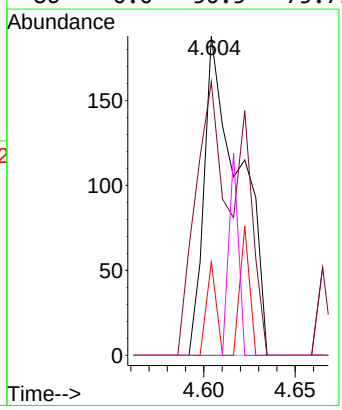


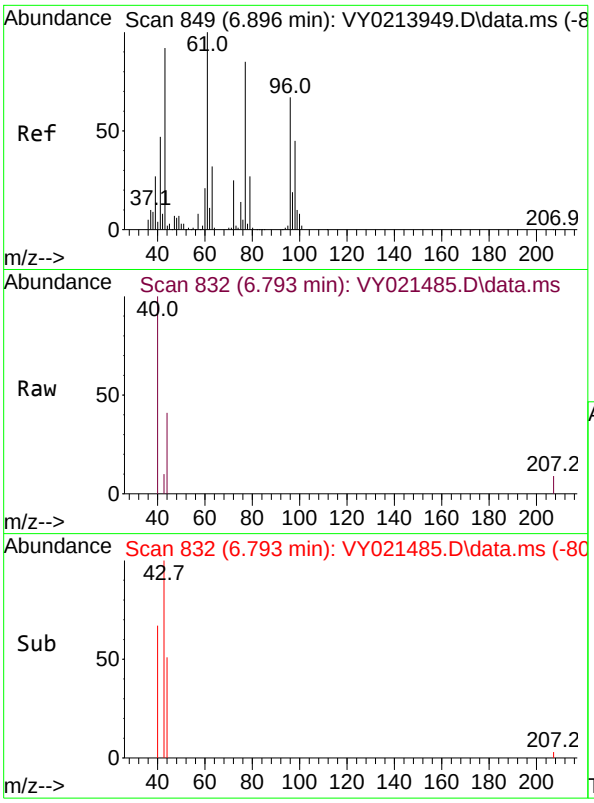


#20
Methylene Chloride
Concen: 4.849 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 84 Resp: 253

Ion	Ratio	Lower	Upper
84	100		
49	85.6	102.0	153.0#
51	29.3	33.0	49.6#
86	0.0	50.5	75.7#



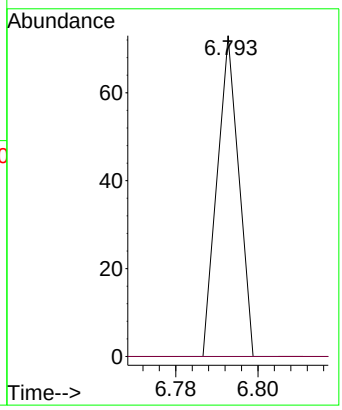


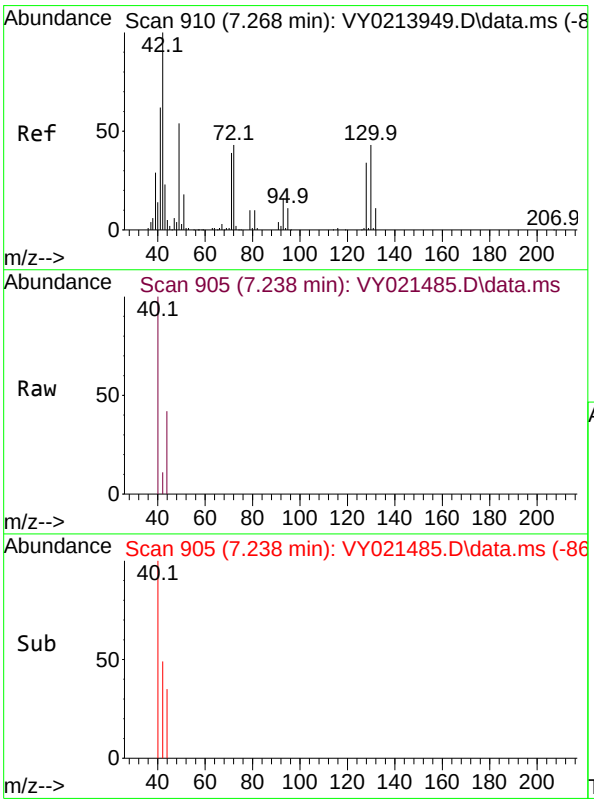
#25
2-Butanone
Concen: 1.964 ug/l
RT: 6.793 min Scan# 8
Delta R.T. -0.103 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 27

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

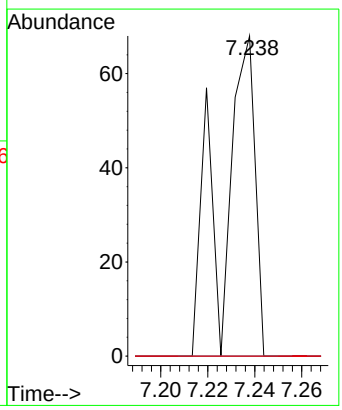


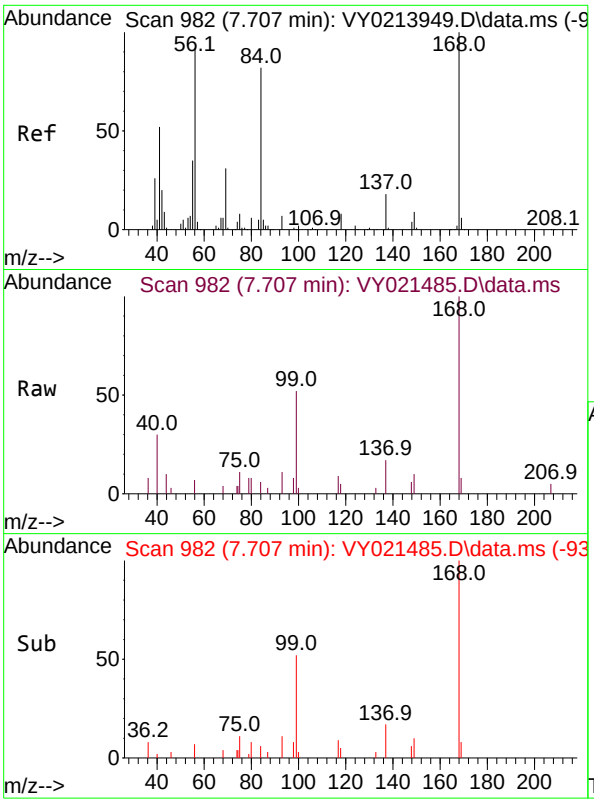


#29
Tetrahydrofuran
Concen: 7.775 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.030 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 42 Resp: 66

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	0.0	32.6	48.8#



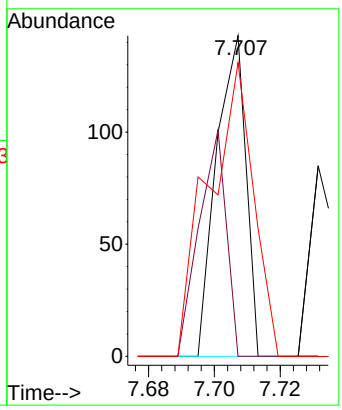


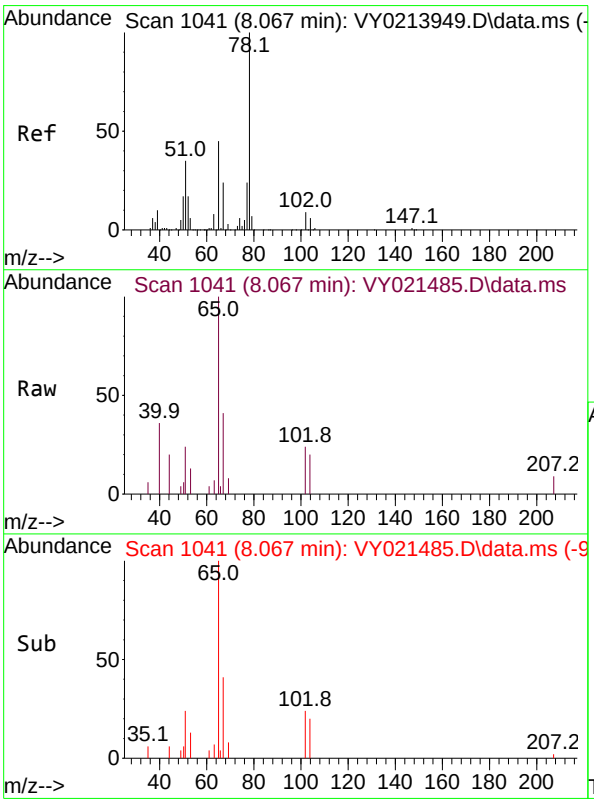
#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 89

Ion	Ratio	Lower	Upper
56	100		
69	0.0	27.0	40.4#
84	91.6	71.1	106.7

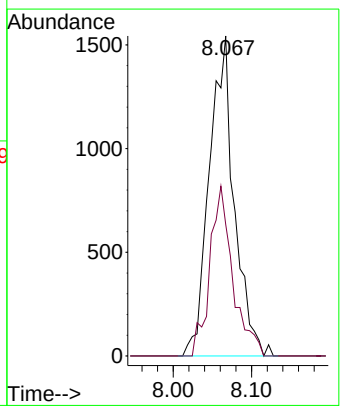


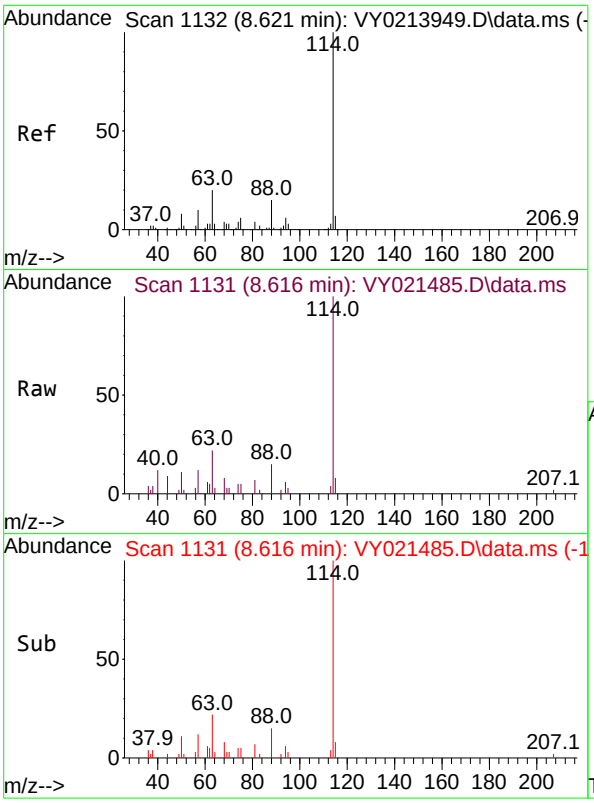


#33
1,2-Dichloroethane-d4
Concen: 75.107 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 65 Resp: 3423

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	102.8



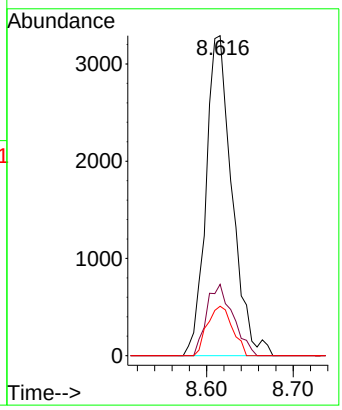


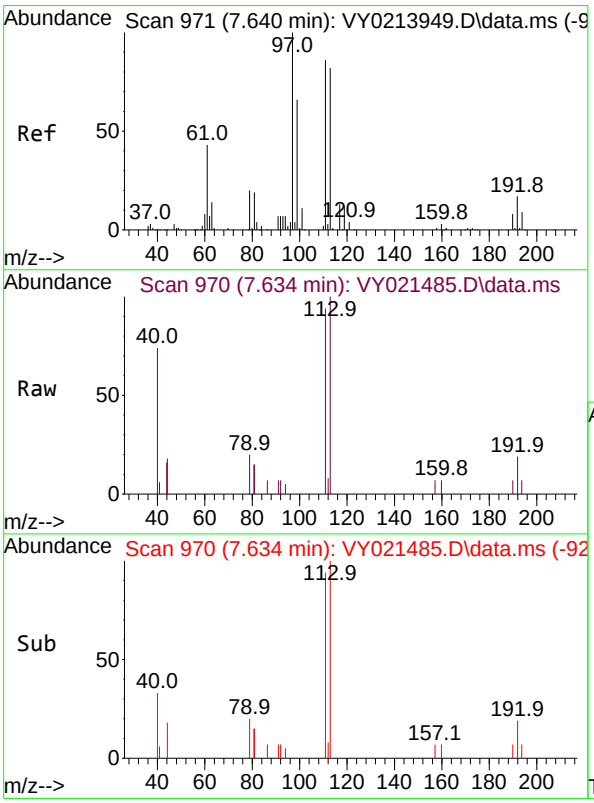
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 6860

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	40.8
88	15.5	0.0	30.8

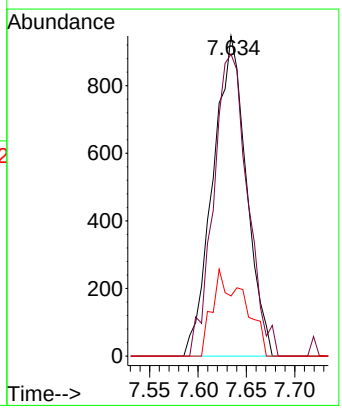


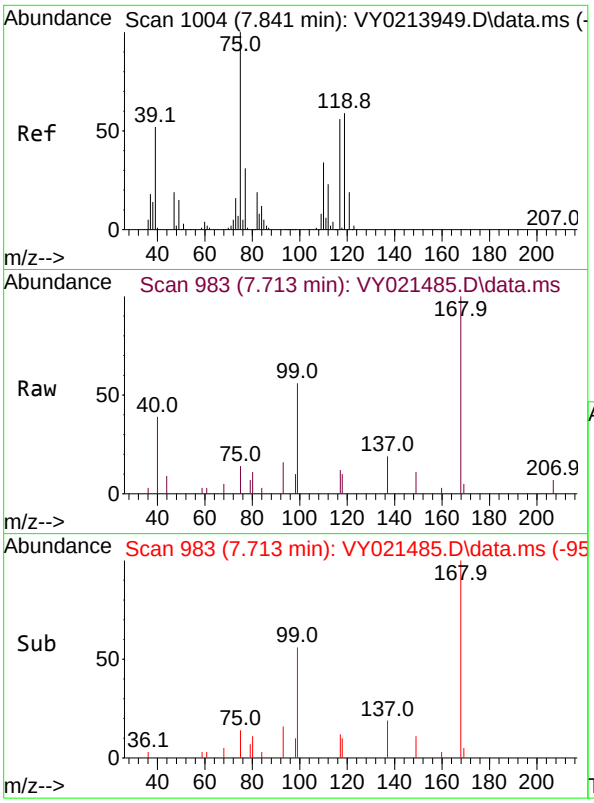


#35
Dibromofluoromethane
Concen: 50.541 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion:113 Resp: 2279

Ion	Ratio	Lower	Upper
113	100		
111	95.7	82.0	123.0
192	25.8	15.9	23.9#



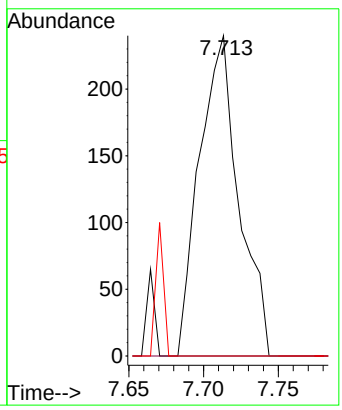


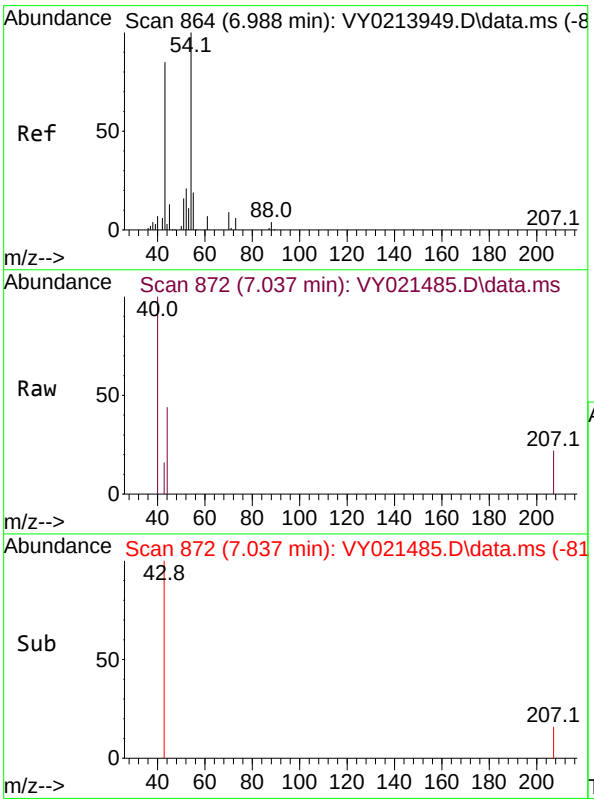
#36
1,1-Dichloropropene
Concen: 6.248 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.128 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 441

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	51.7#
77	0.0	25.4	38.2#

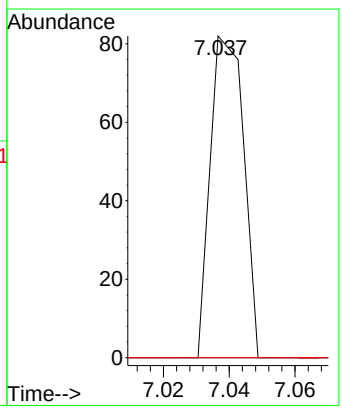


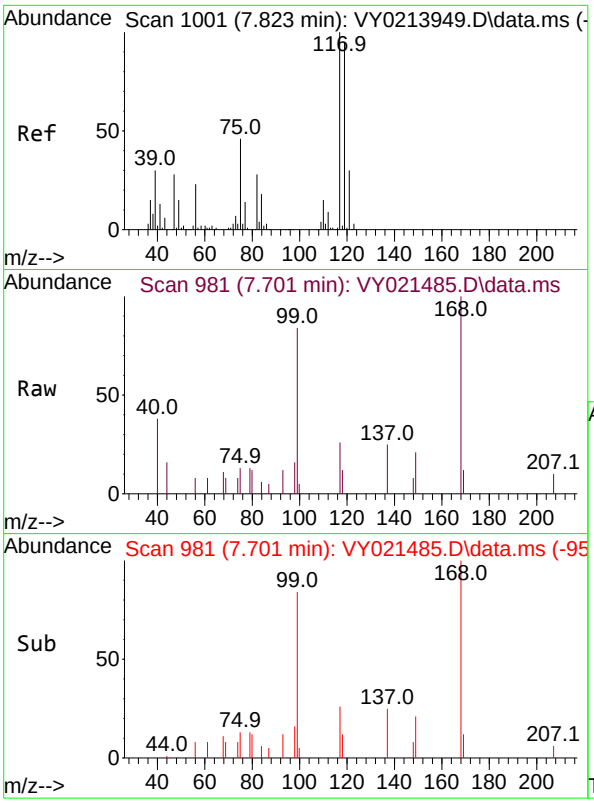


#37
Ethyl Acetate
Concen: 1.859 ug/l
RT: 7.037 min Scan# 872
Delta R.T. 0.049 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.2#



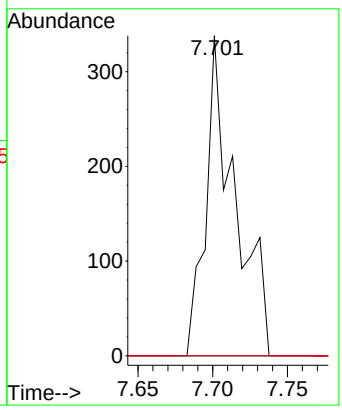


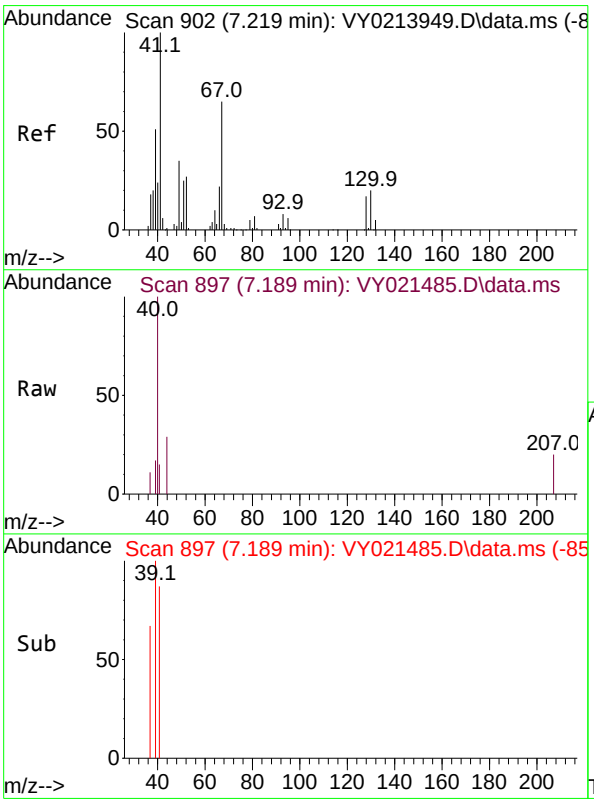
#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.122 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 458

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	23.9	35.9#

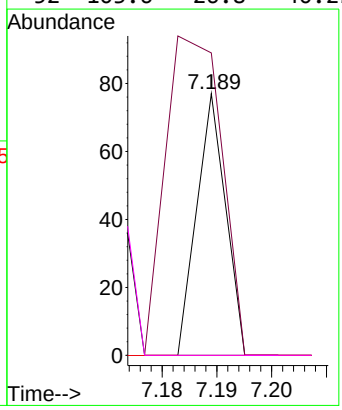


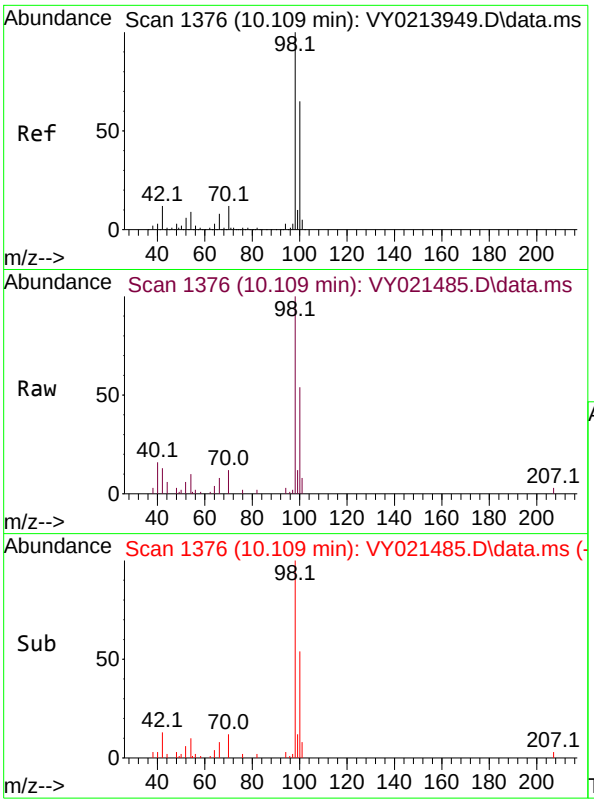


#41
Methacrylonitrile
Concen: 1.648 ug/l
RT: 7.189 min Scan# 897
Delta R.T. -0.030 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 41 Resp: 28

Ion	Ratio	Lower	Upper
41	100		
39	239.3	35.0	52.6#
67	0.0	61.2	91.8#
52	103.6	26.8	40.2#



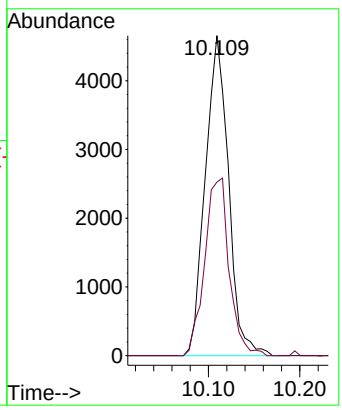


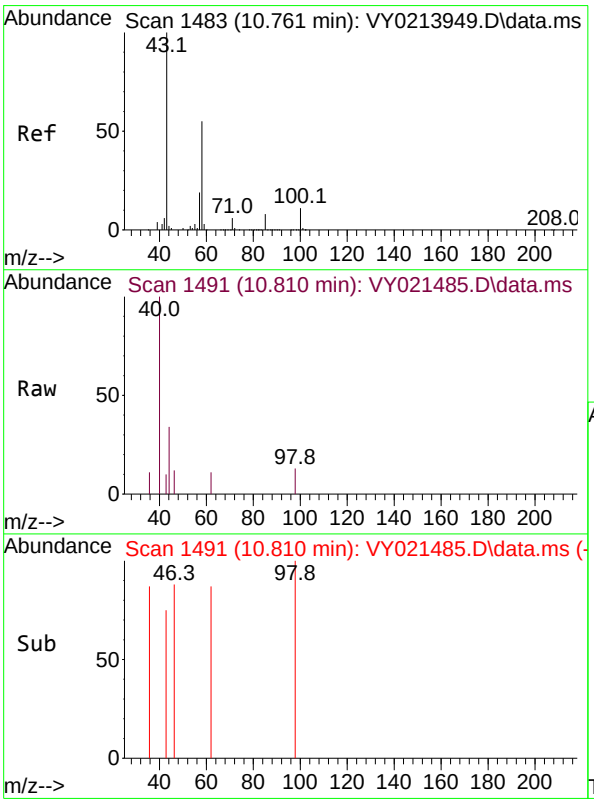
#50
Toluene-d8
Concen: 48.081 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 8209

Ion	Ratio	Lower	Upper
98	100		
100	58.5	52.1	78.1

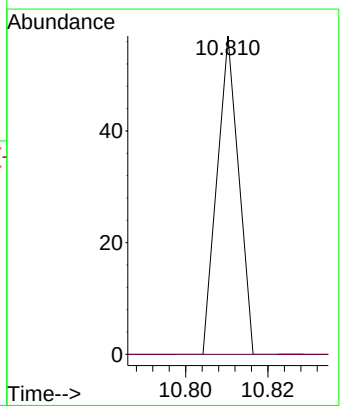


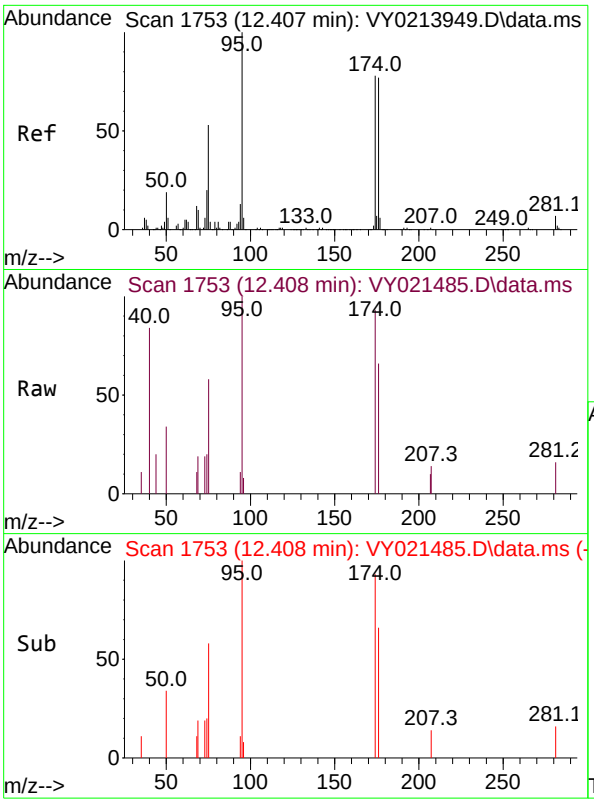


#59
2-Hexanone
Concen: 1.016 ug/l
RT: 10.810 min Scan# 1491
Delta R.T. 0.049 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 43 Resp: 21

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#



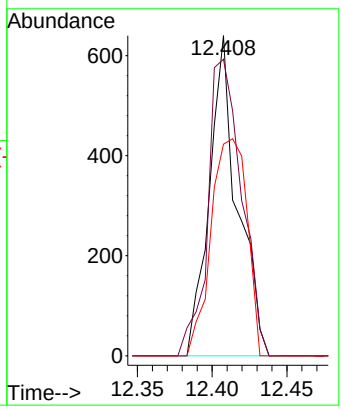


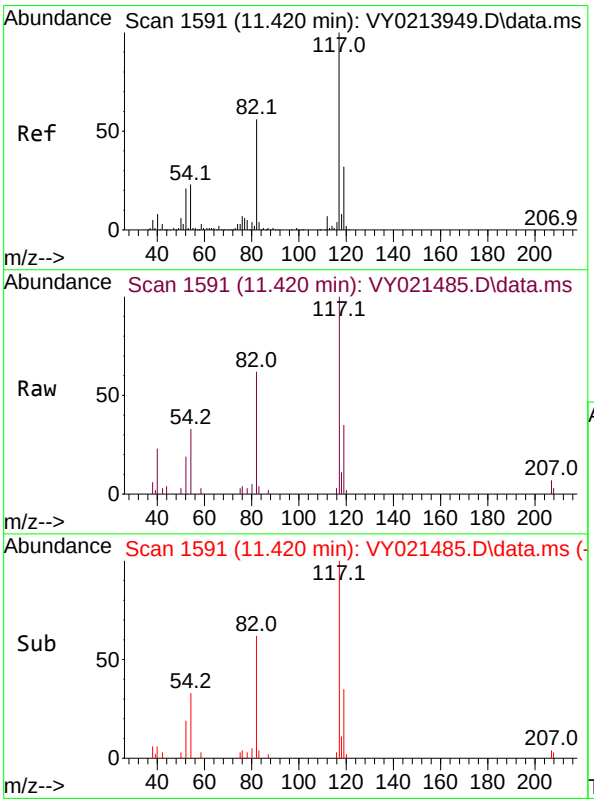
#62
4-Bromofluorobenzene
Concen: 14.464 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 840

Ion	Ratio	Lower	Upper
95	100		
174	111.2	0.0	165.0
176	86.3	0.0	160.0

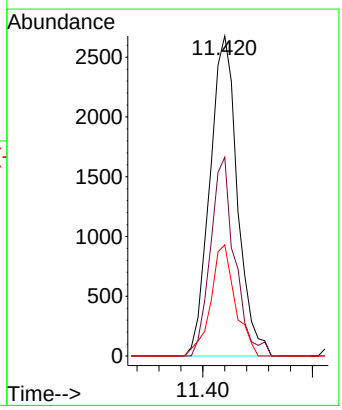


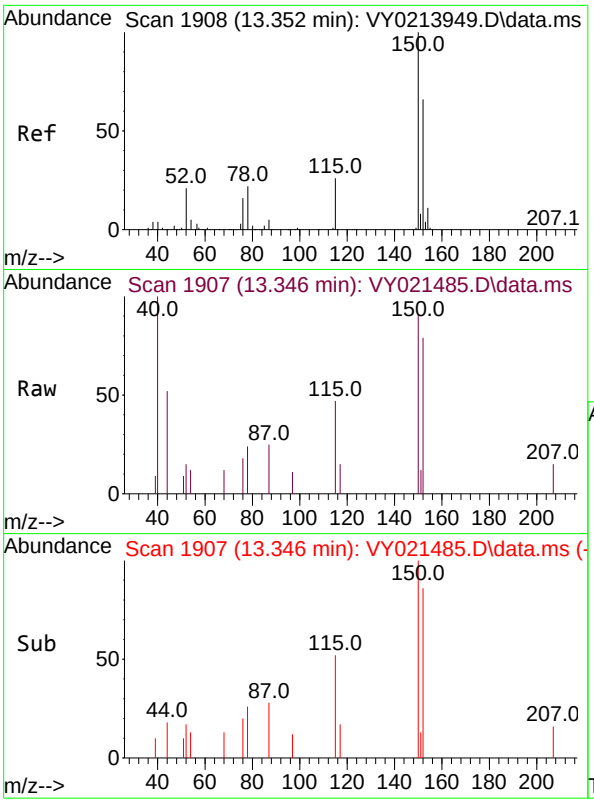


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion:117 Resp: 4681

Ion	Ratio	Lower	Upper
117	100		
82	62.1	44.6	67.0
119	34.8	25.4	38.0



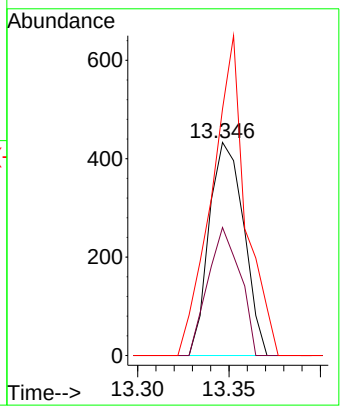


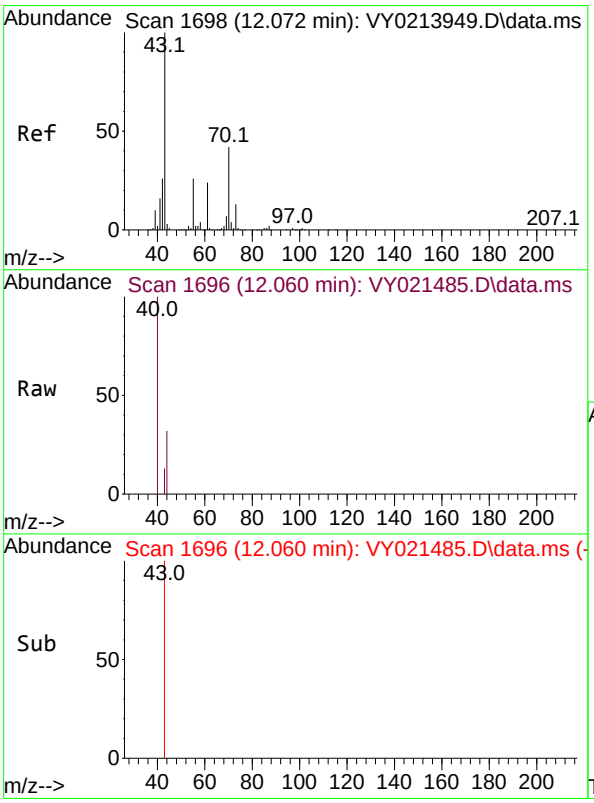
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 571

Ion	Ratio	Lower	Upper
152	100		
115	55.9	29.0	87.0
150	146.9	0.0	347.2

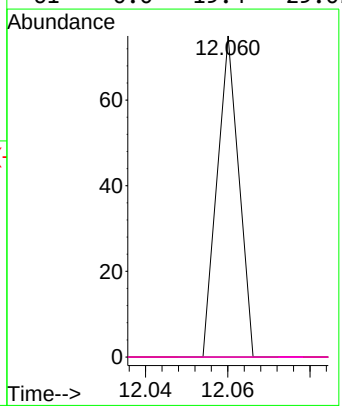


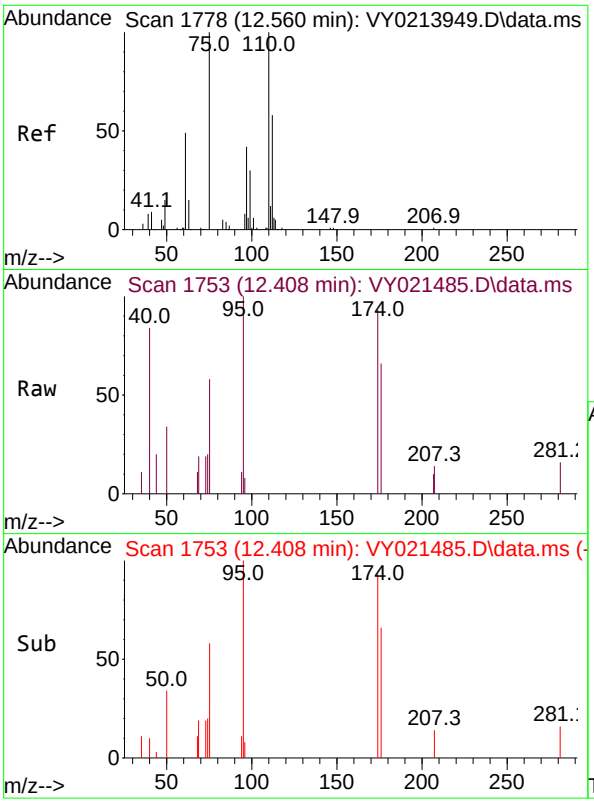


#74
N-amyl acetate
Concen: 2.764 ug/l
RT: 12.060 min Scan# 1696
Delta R.T. -0.012 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 43 Resp: 27

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.6	51.8#
55	0.0	21.1	31.7#
61	0.0	19.4	29.0#



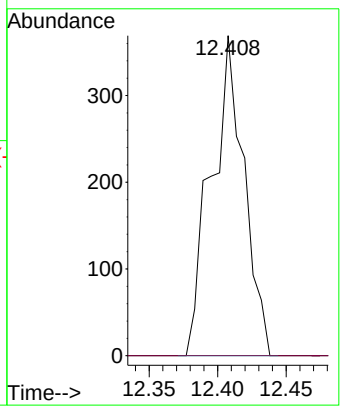


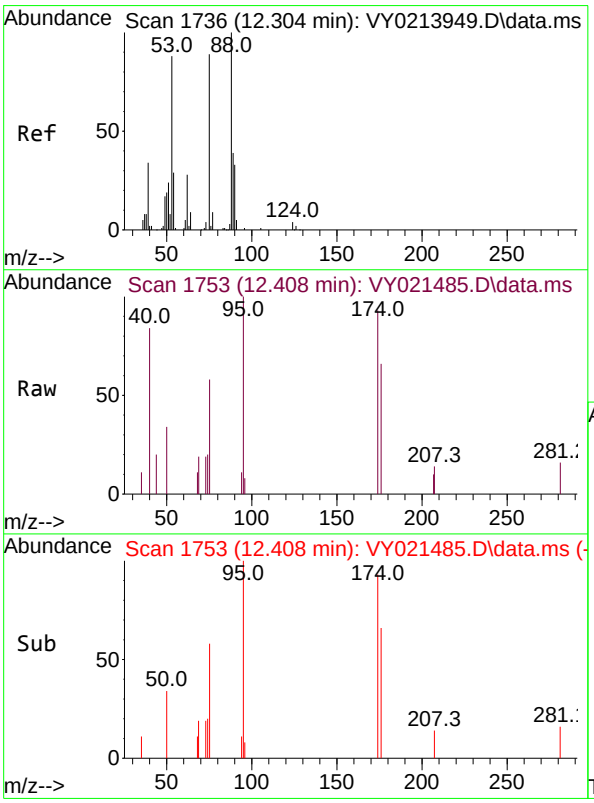
#76
1,2,3-Trichloropropane
Concen: 106.884 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.152 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 615

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

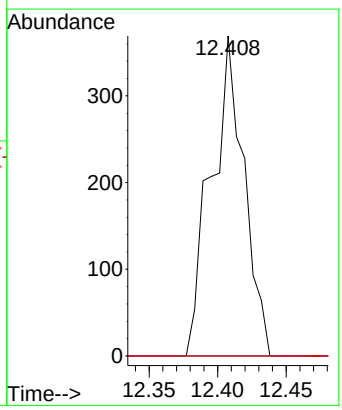


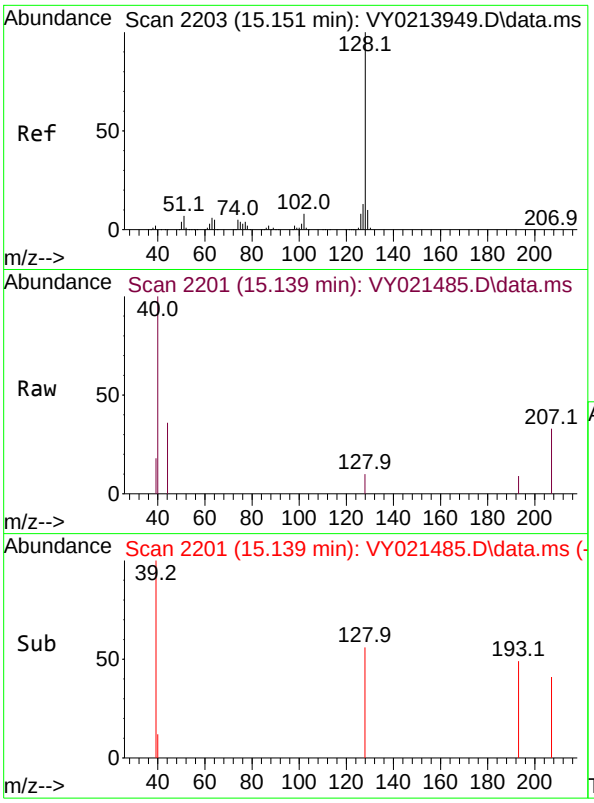


#81
trans-1,4-Dichloro-2-butene
Concen: 242.982 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Tgt Ion: 75 Resp: 615

Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.4#
89	0.0	36.9	55.3#





#95
Naphthalene
Concen: 4.023 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.012 min
Lab File: VY021485.D
Acq: 11 Mar 2025 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 40

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#