Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041905.D
Acq On : 14 Jan 2025 22:51
Operator : SY/MD
Sample : Q1073-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 15 03:29:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	131930	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	381564	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	331127	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	263631	10.108	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2500	0.139	ppbv #	84
3) Chlorodifluoromethane	1.466	51	869411	46.182	ppbv #	59
7) Chloroethane	1.466	64	105466	39.598	ppbv #	64
9) Propene	1.489	41	16683	2.151	ppbv	86
13) Ethanol	1.466	45	228510	402.276	ppbv	90
15) Acetone	1.839	43	17170	1.084	ppbv #	76
16) 1,3-Butadiene	1.602	39	1440	0.202	ppbv #	26
19) Isopropyl Alcohol	1.466	45	228510	24.322	ppbv #	32
20) Methylene Chloride	2.062	84	1202	0.192	ppbv	89
34) 2-Butanone	2.564	43	24886	1.026	ppbv	99
39) 1,2-Dichloropropane	3.965	63	94531	7.700	ppbv #	22
52) Tetrachloroethene	8.221	164	846	0.070	ppbv #	63
53) Toluene	6.943	91	11190	0.294	ppbv	91
56) 1,1,1,2-Tetrachloroethane	9.166	131	31	0.002	ppbv #	9
80) Naphthalene,2-methyl-	14.465	142	118	0.005	ppbv #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041905.D
Acq On : 14 Jan 2025 22:51
Operator : SY/MD
Sample : Q1073-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 15 03:29:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
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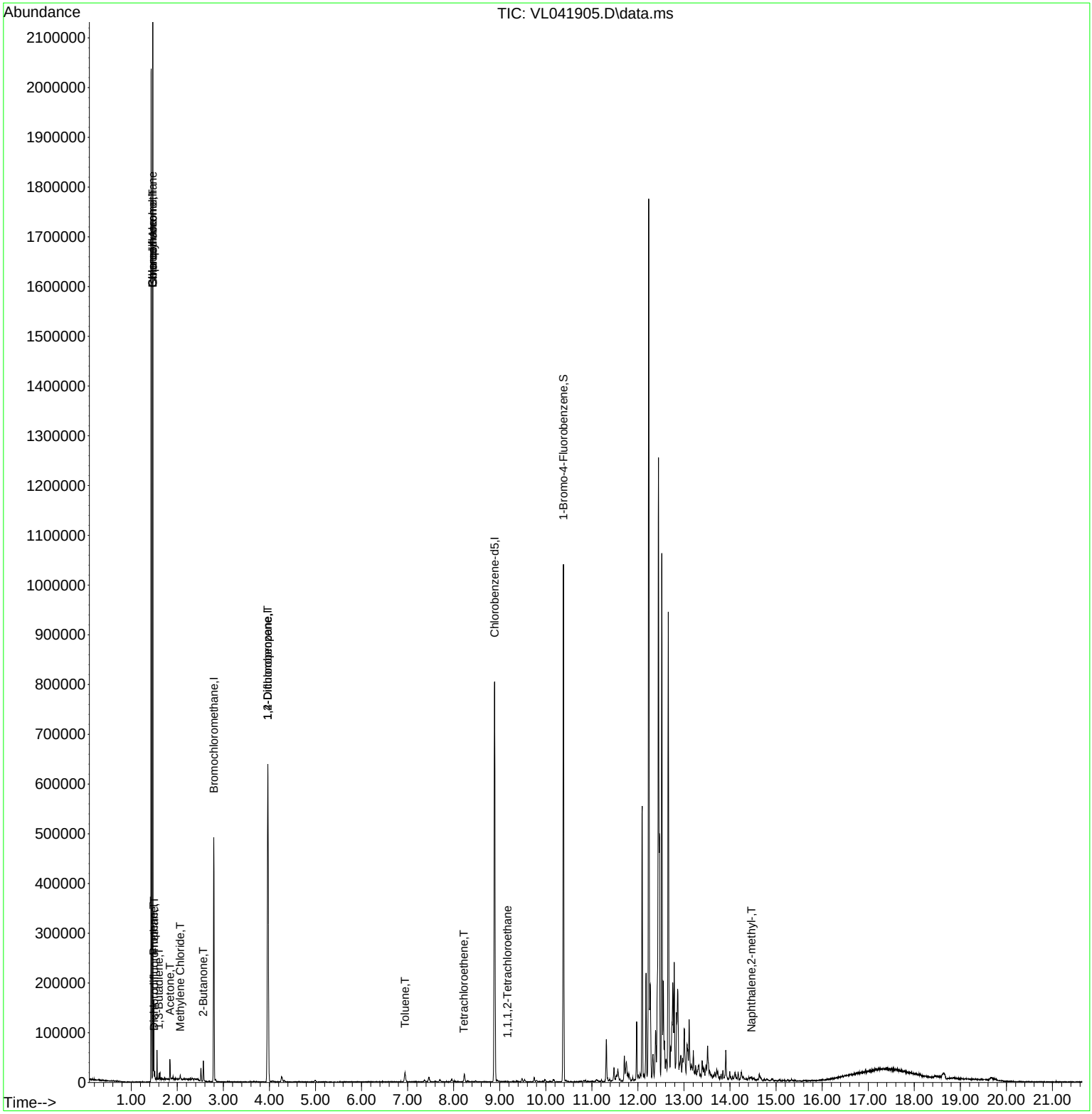
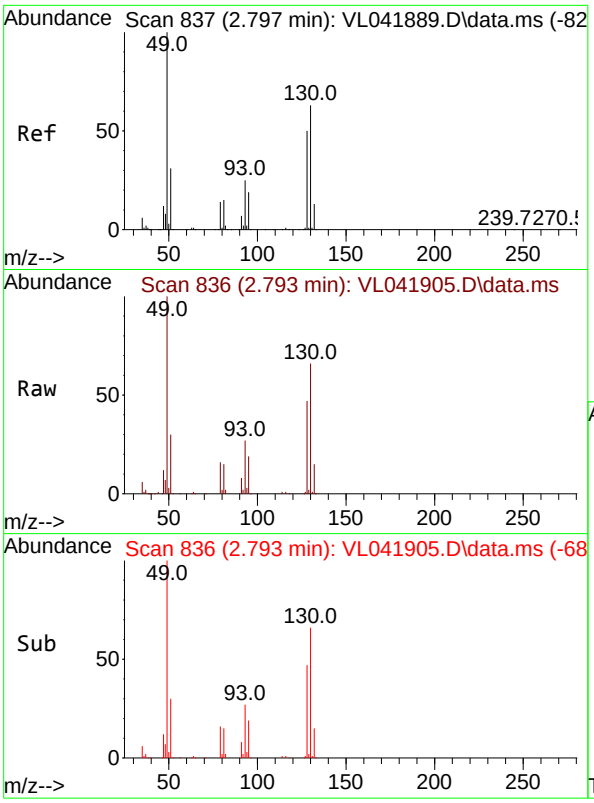


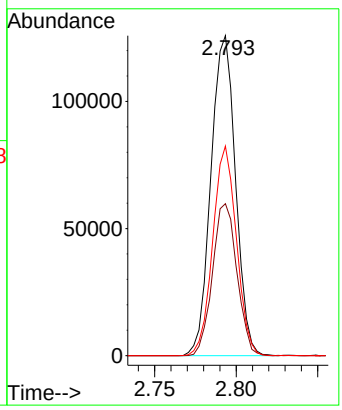


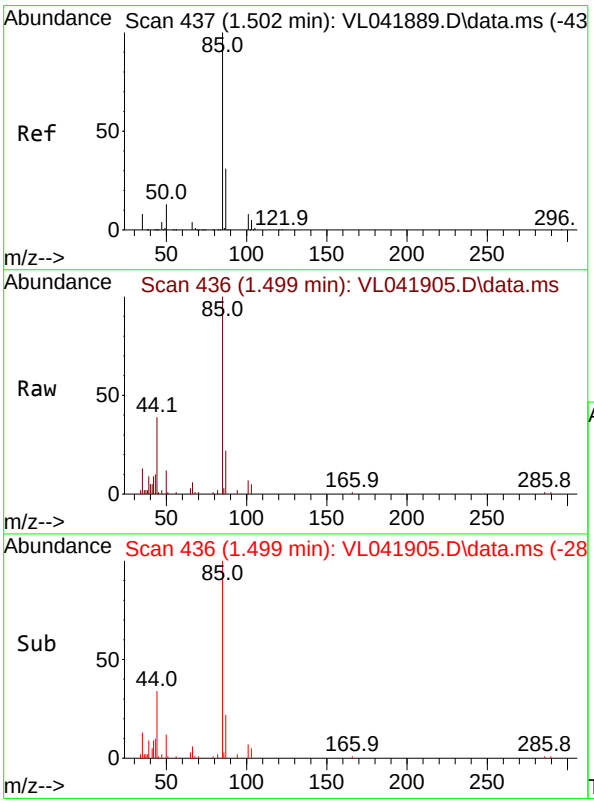
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 131930

Ion	Ratio	Lower	Upper
49	100		
128	47.2	24.3	73.0
130	63.0	31.1	93.2

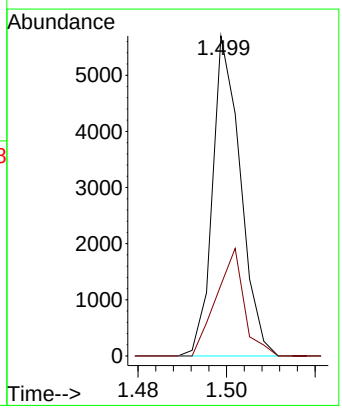


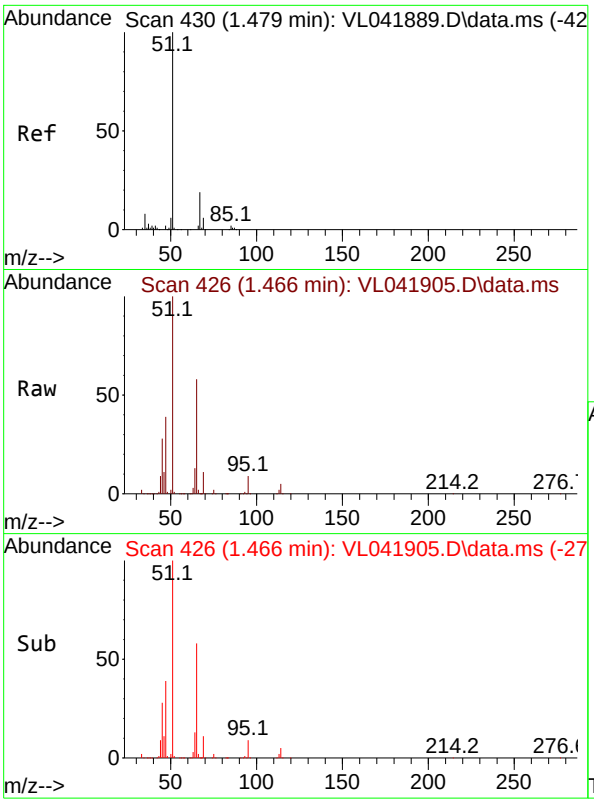


#2
Dichlorodifluoromethane
Concen: 0.139 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 85 Resp: 2500

Ion	Ratio	Lower	Upper
85	100		
87	22.2	24.9	37.3#



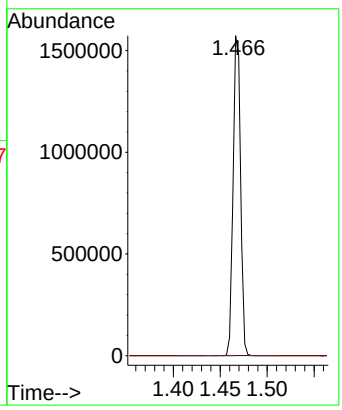


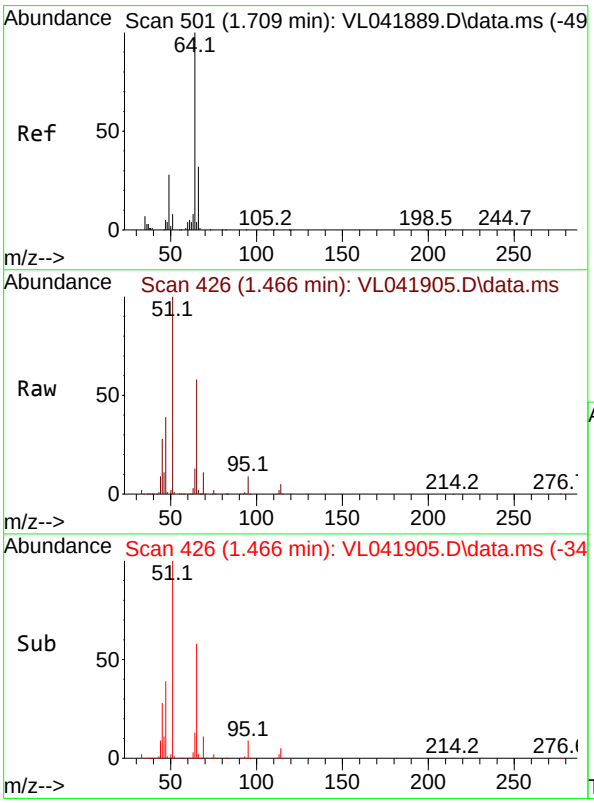
#3
Chlorodifluoromethane
Concen: 46.182 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 869411

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.0	22.4#

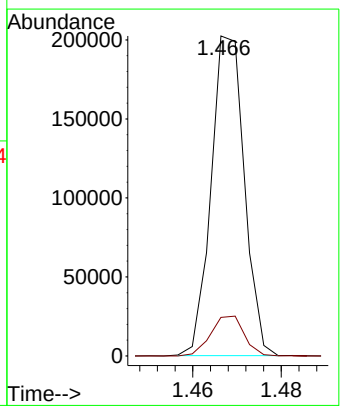


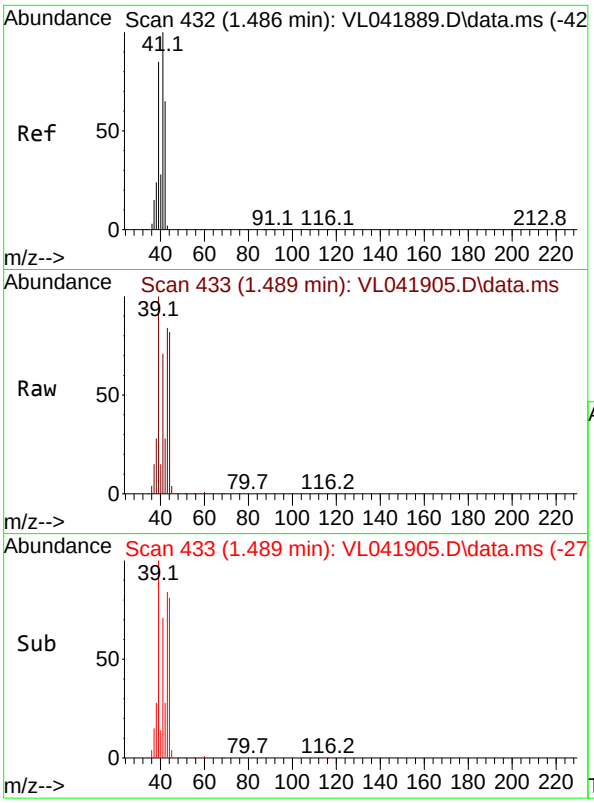


#7
Chloroethane
Concen: 39.598 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.243 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 64 Resp: 105466

Ion	Ratio	Lower	Upper
64	100		
66	12.1	25.7	38.5#



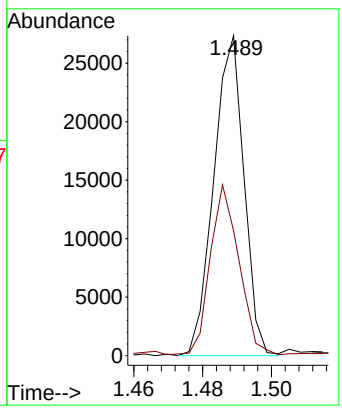


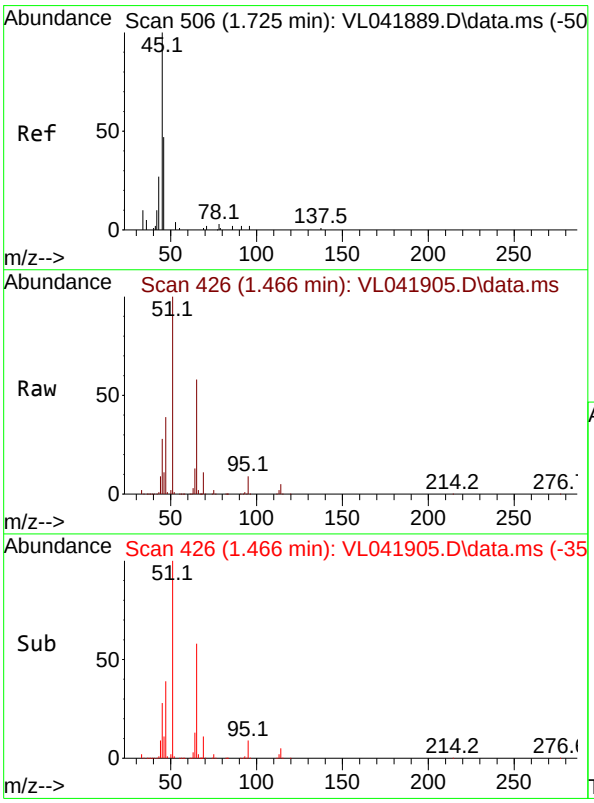
#9
Propene
Concen: 2.151 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 16683

Ion	Ratio	Lower	Upper
41	100		
42	54.2	52.0	78.0

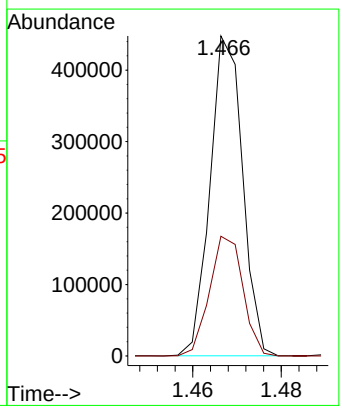


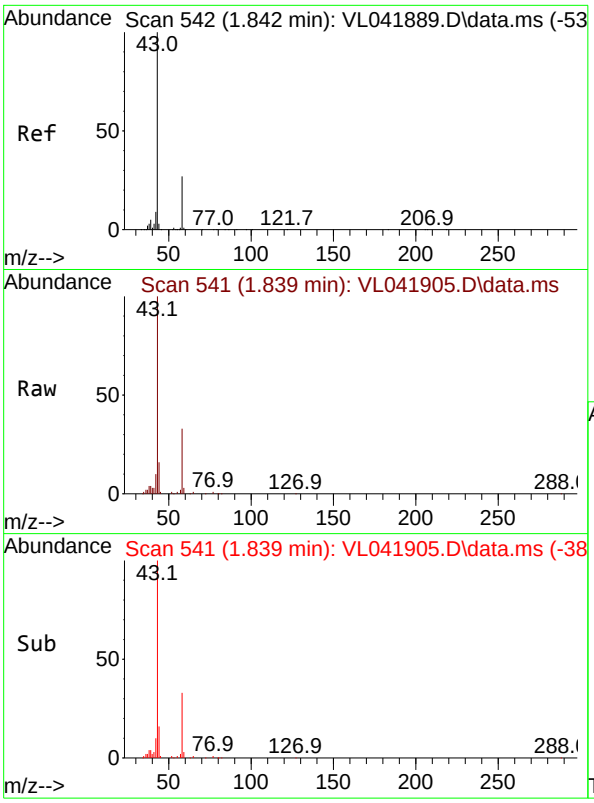


#13
Ethanol
Concen: 402.276 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.259 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 45 Resp: 228510

Ion	Ratio	Lower	Upper
45	100		
46	38.6	18.1	72.5



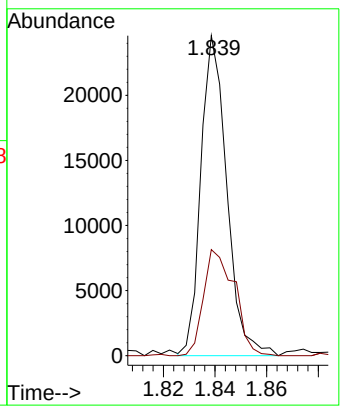


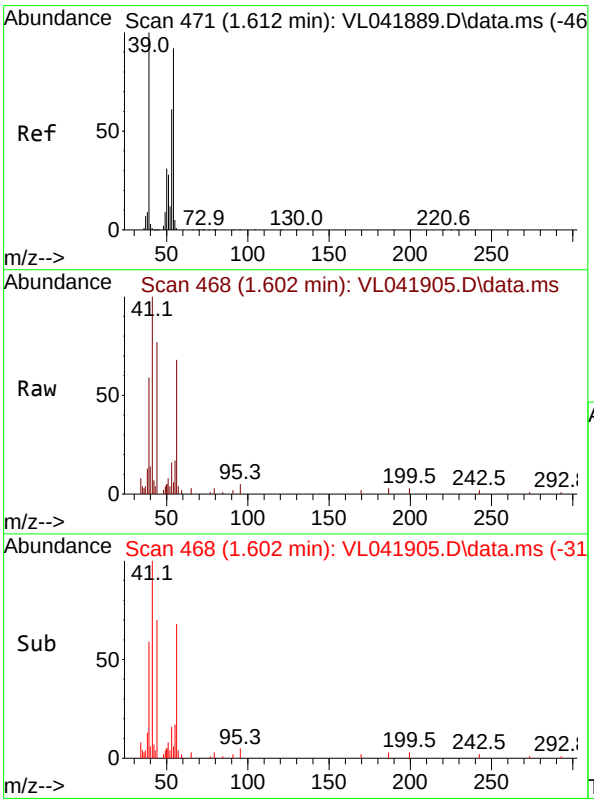
#15
Acetone
Concen: 1.084 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 17170

Ion	Ratio	Lower	Upper
43	100		
58	39.7	21.9	32.9#

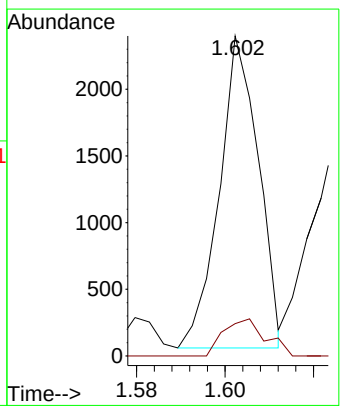


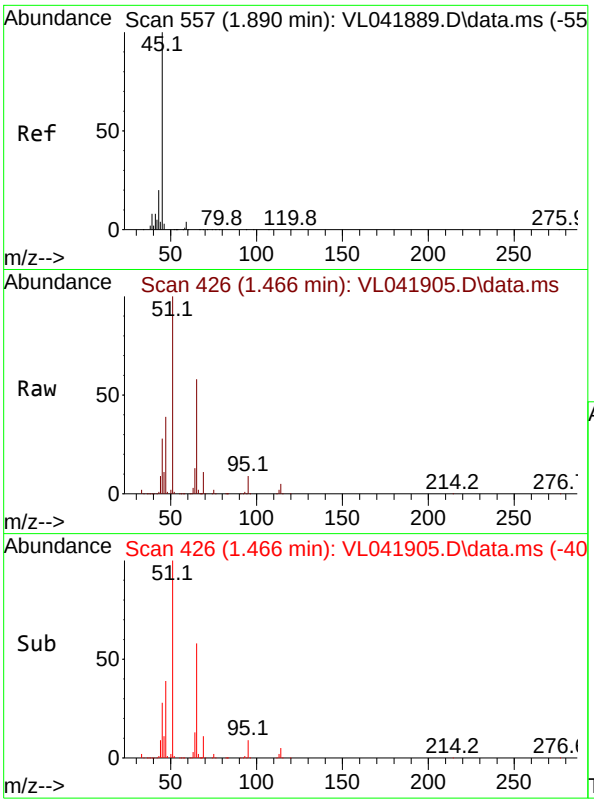


#16
1,3-Butadiene
Concen: 0.202 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 39 Resp: 1440

Ion	Ratio	Lower	Upper
39	100		
54	12.7	61.6	92.4#



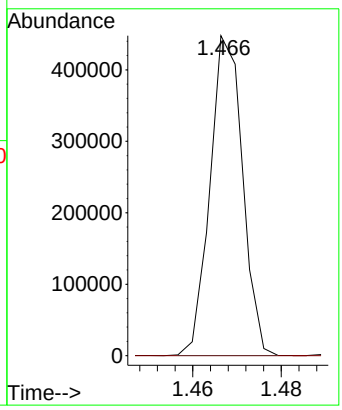


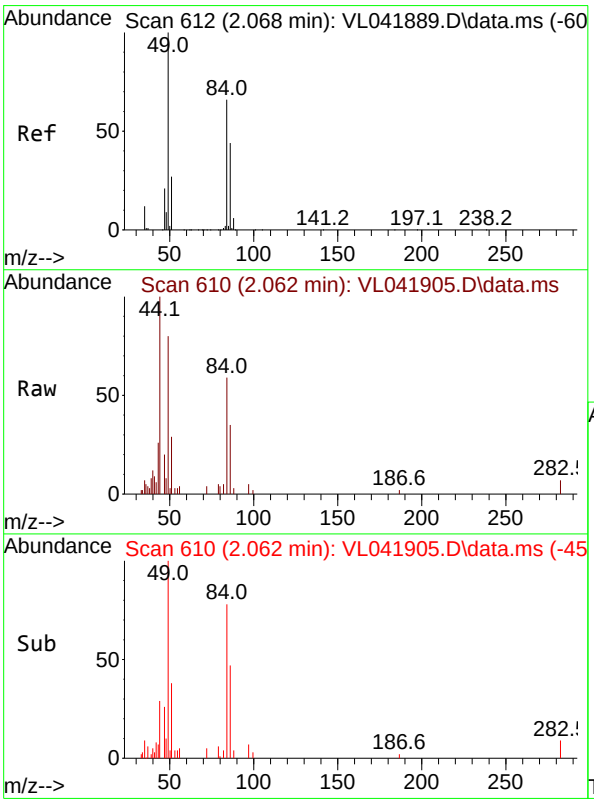
#19
Isopropyl Alcohol
Concen: 24.322 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.424 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 228510

Ion	Ratio	Lower	Upper
45	100		
58	0.2	35.0	52.6#

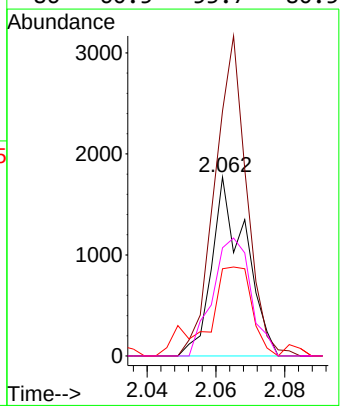


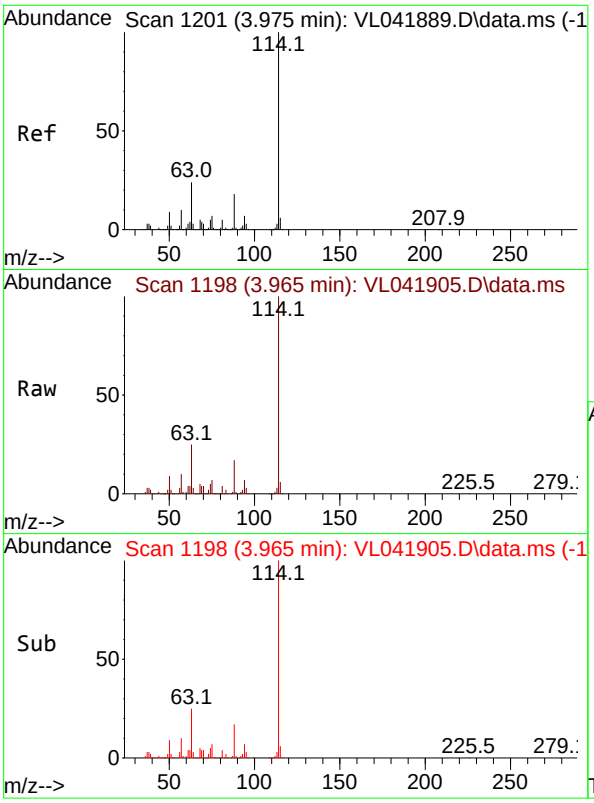


#20
Methylene Chloride
Concen: 0.192 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.007 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 84 Resp: 1202

Ion	Ratio	Lower	Upper
84	100		
49	136.9	123.1	184.7
51	48.8	35.8	53.8
86	60.5	53.7	80.5



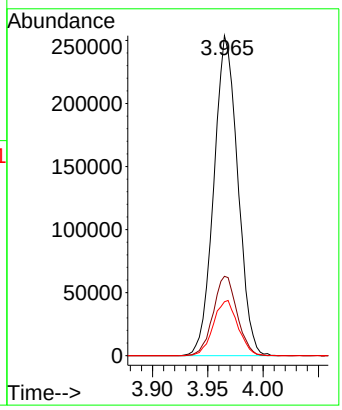


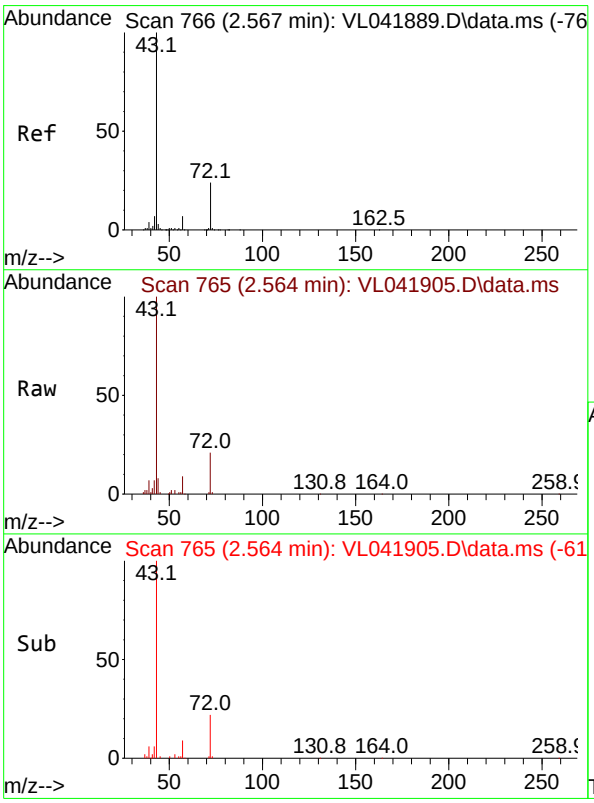
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 381564

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.6
88	17.7	14.4	21.6

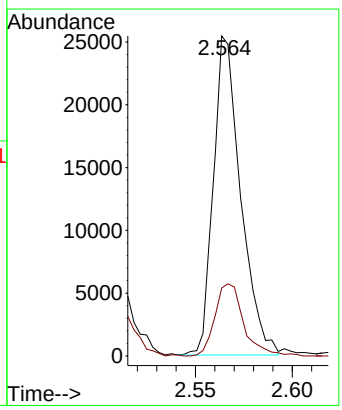


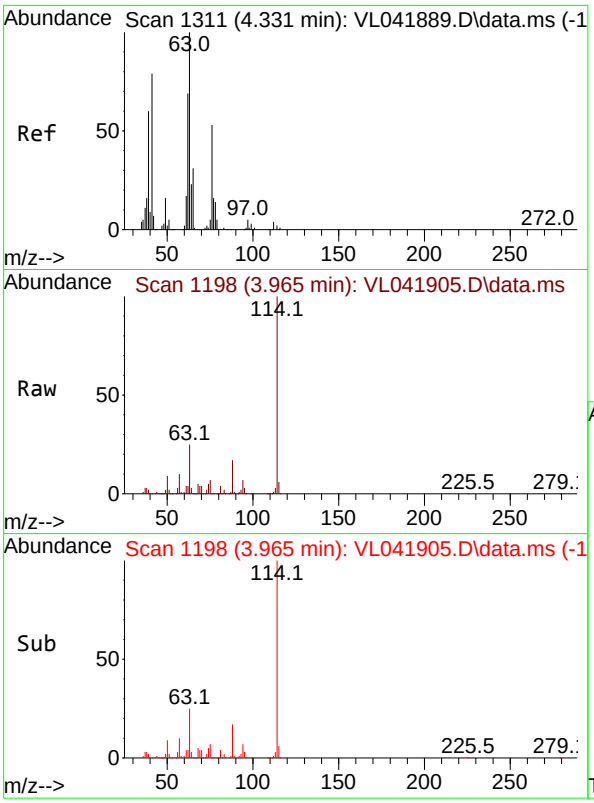


#34
2-Butanone
Concen: 1.026 ppbv
RT: 2.564 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 43 Resp: 24886

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0



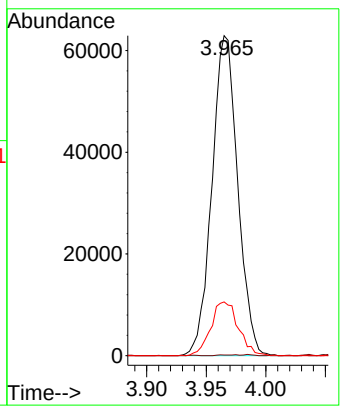


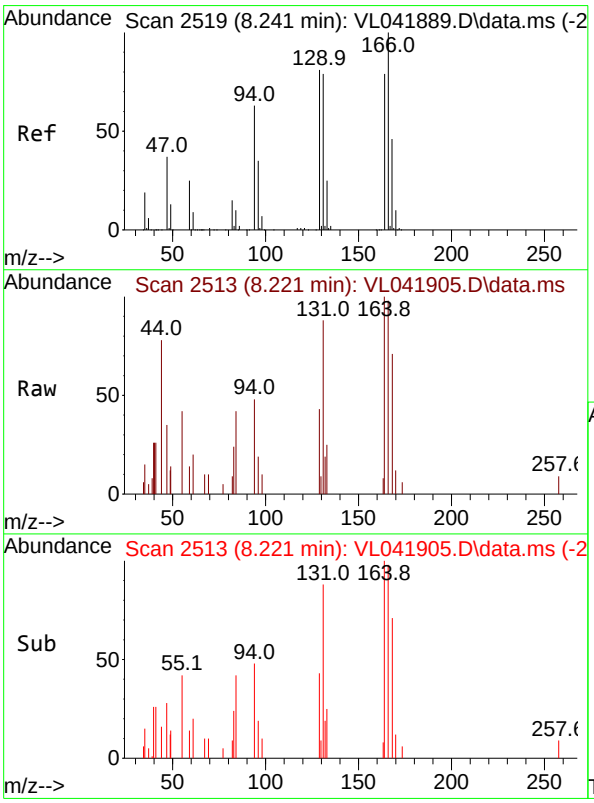
#39
1,2-Dichloropropane
Concen: 7.700 ppbv
RT: 3.965 min Scan# 1
Delta R.T. -0.366 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 94531

Ion	Ratio	Lower	Upper
63	100		
41	0.2	63.7	95.5#
62	16.8	55.4	83.2#

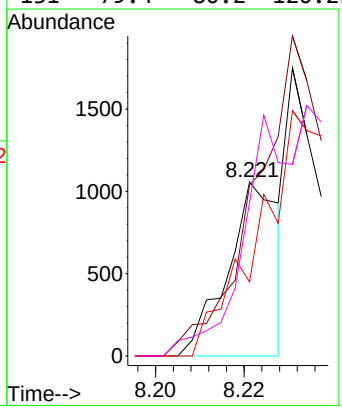


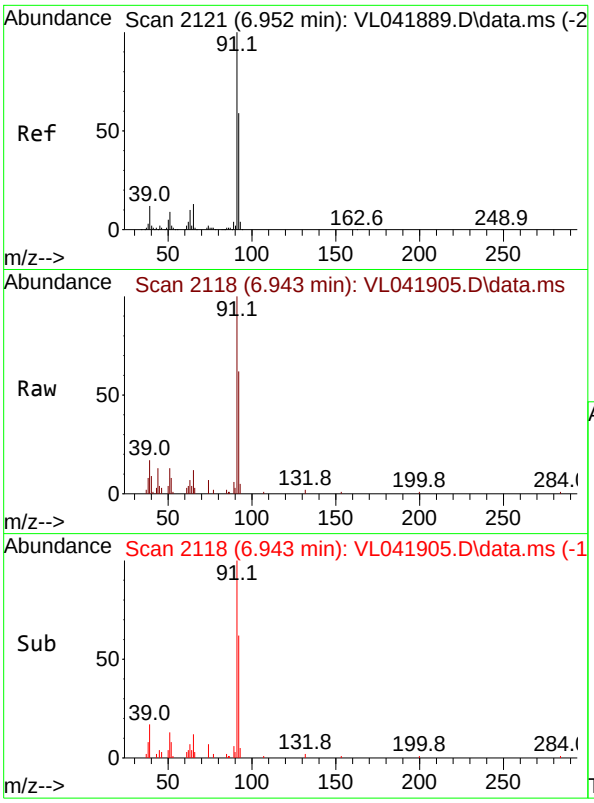


#52
Tetrachloroethene
Concen: 0.070 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.019 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion:164 Resp: 846

Ion	Ratio	Lower	Upper
164	100		
166	90.1	100.8	151.2#
129	42.6	82.0	123.0#
131	79.4	80.2	120.2#



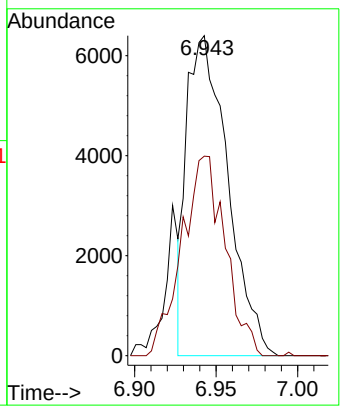


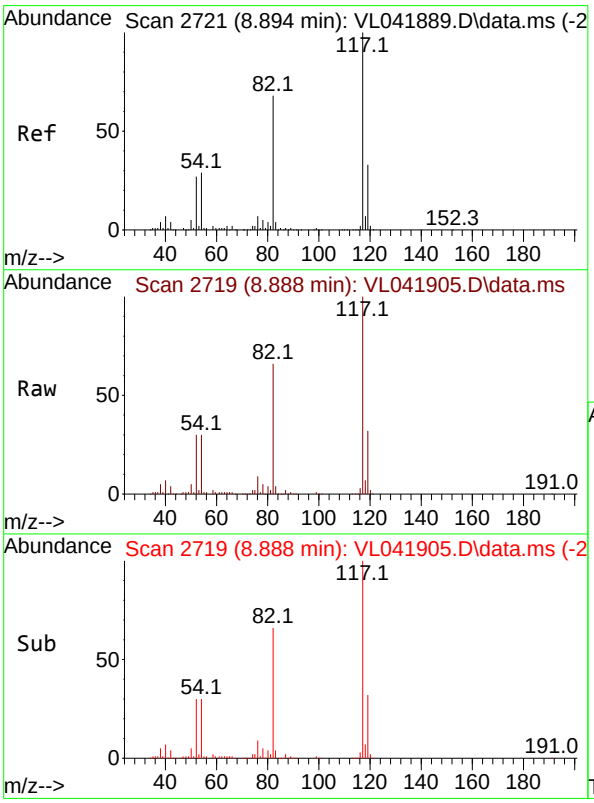
#53
Toluene
Concen: 0.294 ppbv
RT: 6.943 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 11190

Ion	Ratio	Lower	Upper
91	100		
92	65.8	47.4	71.0

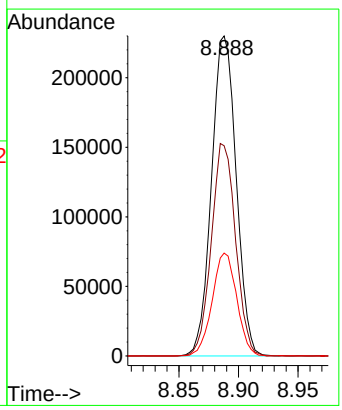


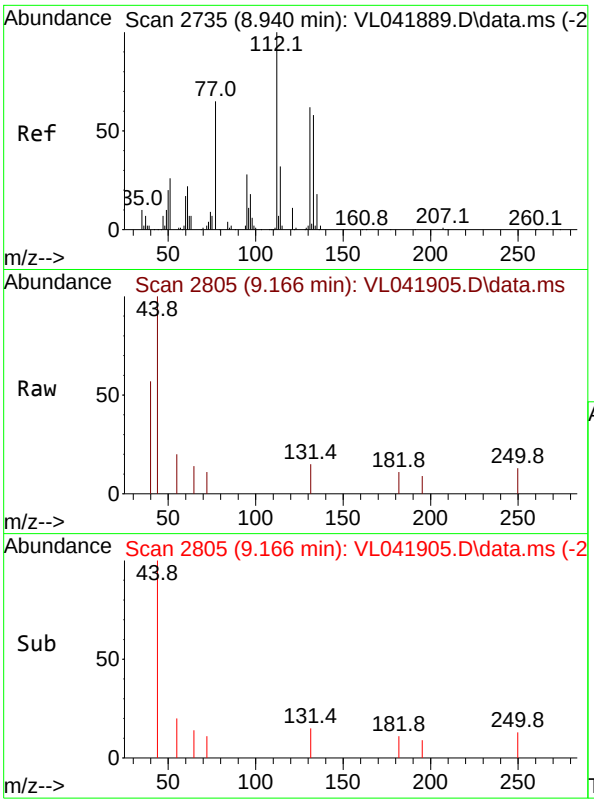


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.007 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion:117 Resp: 331127

Ion	Ratio	Lower	Upper
117	100		
82	65.3	54.2	81.4
119	32.0	25.0	37.6



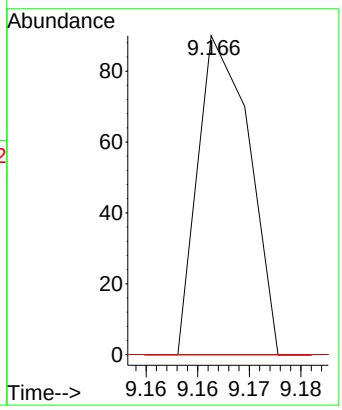


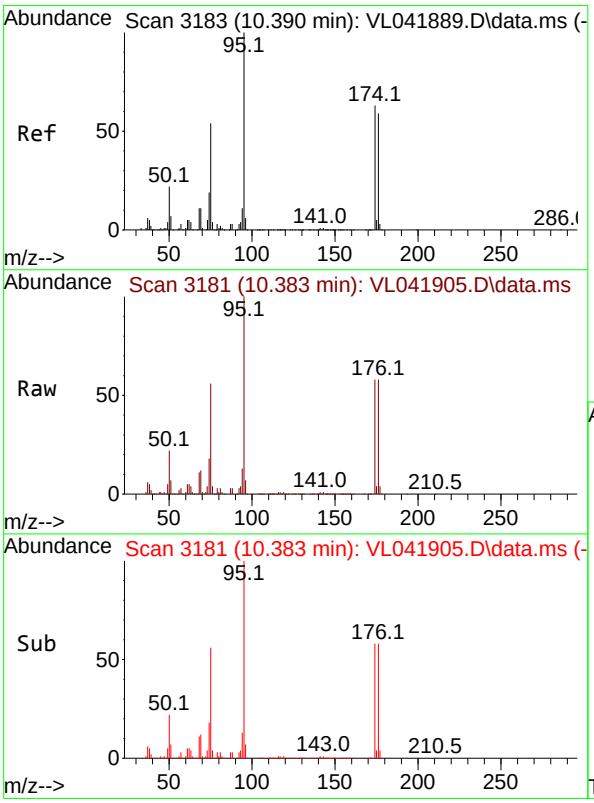
#56
1,1,1,2-Tetrachloroethane
Concen: 0.002 ppbv
RT: 9.166 min Scan# 2
Delta R.T. 0.227 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 31

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.0	114.0#
119	0.0	49.7	74.5#

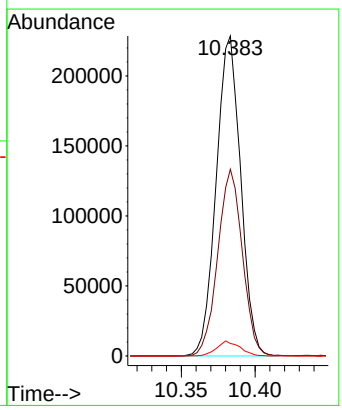


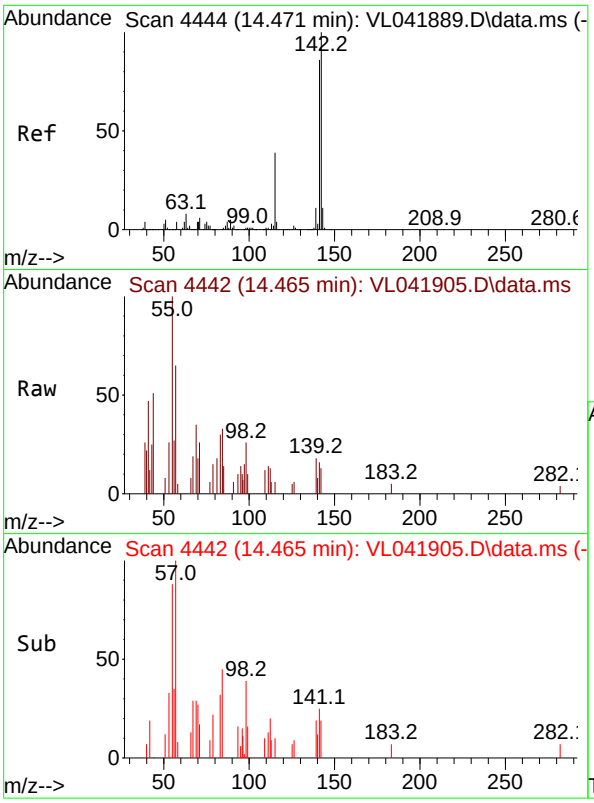


#68
1-Bromo-4-Fluorobenzene
Concen: 10.108 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.007 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Tgt Ion: 95 Resp: 263631

Ion	Ratio	Lower	Upper
95	100		
174	58.7	49.0	73.4
175	4.5	3.8	5.8





#80
Naphthalene,2-methyl-
Concen: 0.005 ppbv
RT: 14.465 min Scan# 44
Delta R.T. -0.007 min
Lab File: VL041905.D
Acq: 14 Jan 2025 22:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 118

Ion	Ratio	Lower	Upper
142	100		
141	311.9	68.1	102.1#
115	130.5	31.7	47.5#