Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
Data File : VL041809.D
Acq On : 18 Dec 2024 23:40
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Dec 19 08:01:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	74451	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	174576	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	147066	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	124098	10.126	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
9) Propene	1.486	41	285	0.054	ppbv	85
13) Ethanol	1.722	45	290	0.666	ppbv #	34
15) Acetone	1.839	43	1380	0.095	ppbv	91
19) Isopropyl Alcohol	1.891	45	1074	0.124	ppbv #	34
20) Methylene Chloride	2.065	84	542	0.131	ppbv	85
23) Vinyl Acetate	2.454	43	305	0.045	ppbv #	1
30) Cyclohexane	3.959	84	683	0.078	ppbv #	1
39) 1,2-Dichloropropane	3.968	63	49023	7.506	ppbv #	19

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

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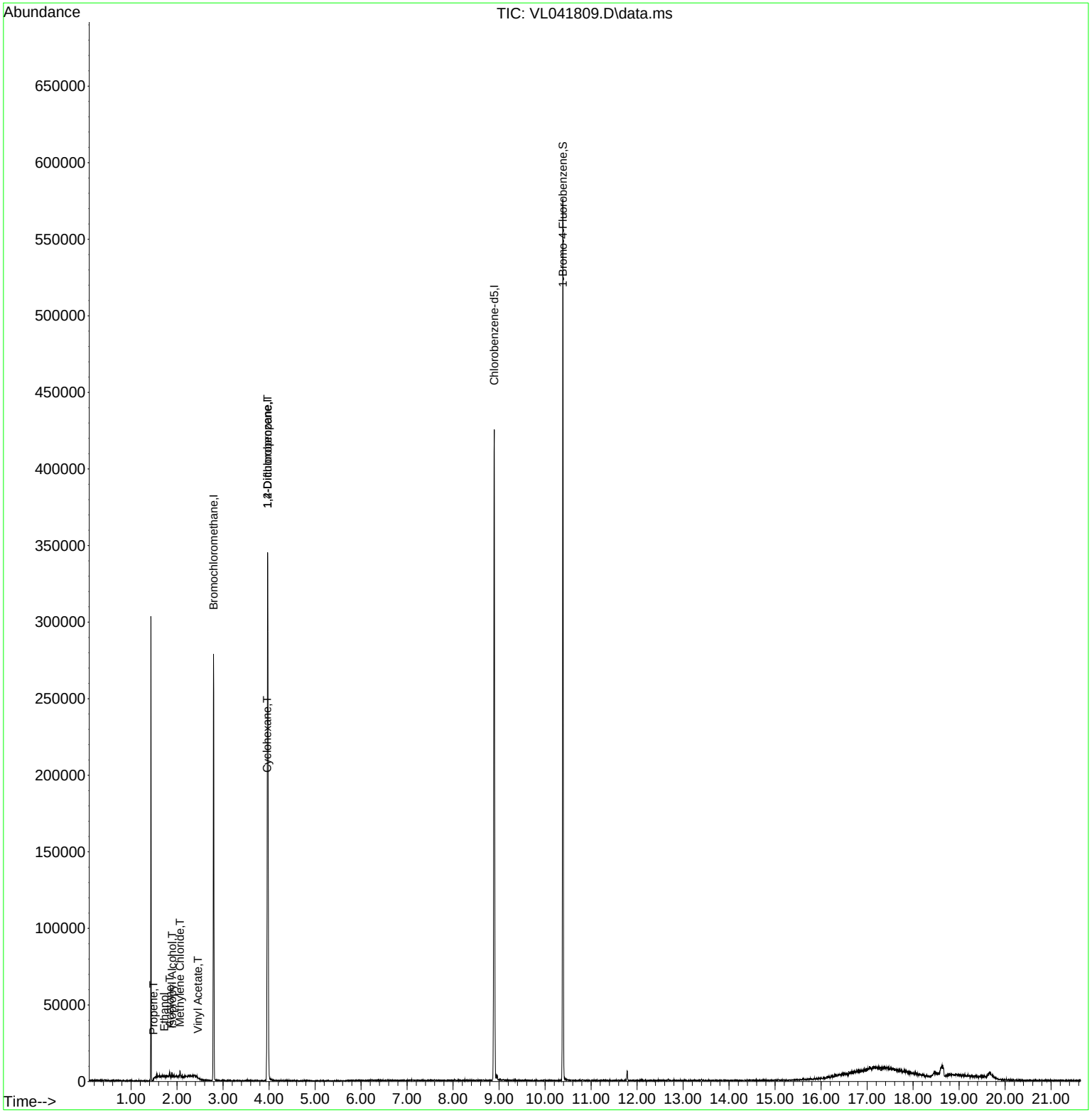
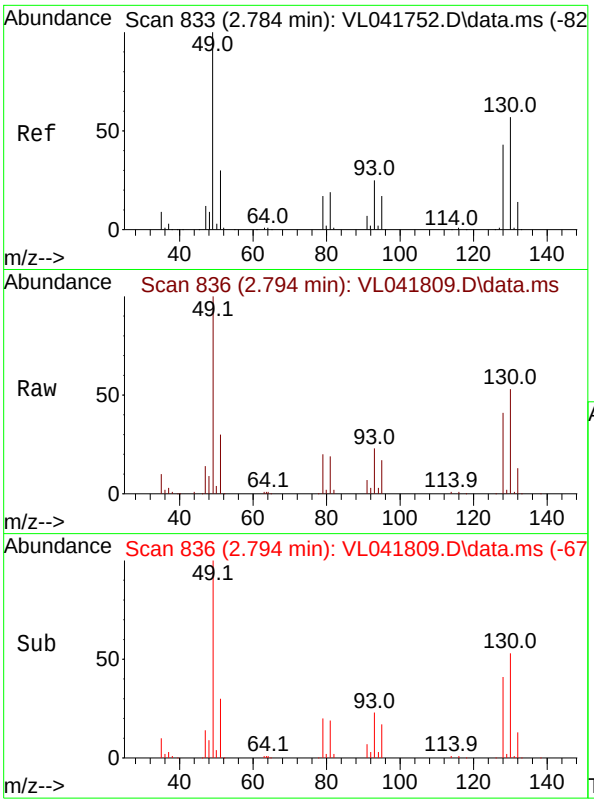


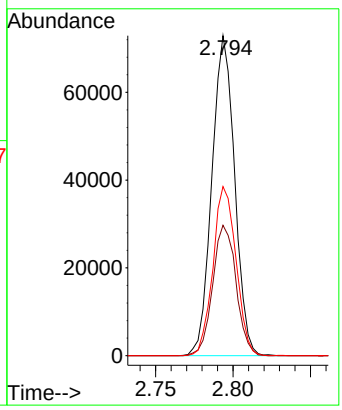


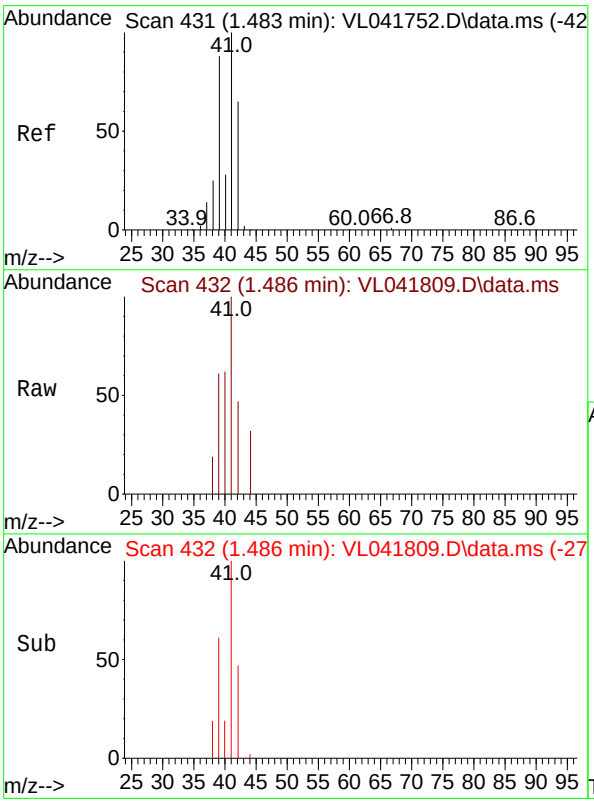
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 49 Resp: 74451

Ion	Ratio	Lower	Upper
49	100		
128	41.9	21.6	64.6
130	53.6	28.3	85.0

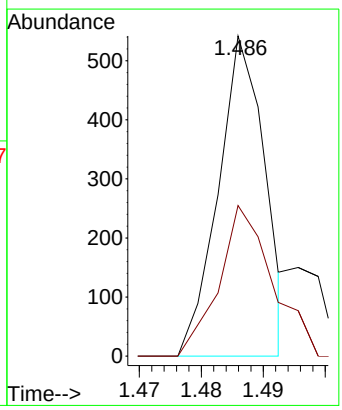


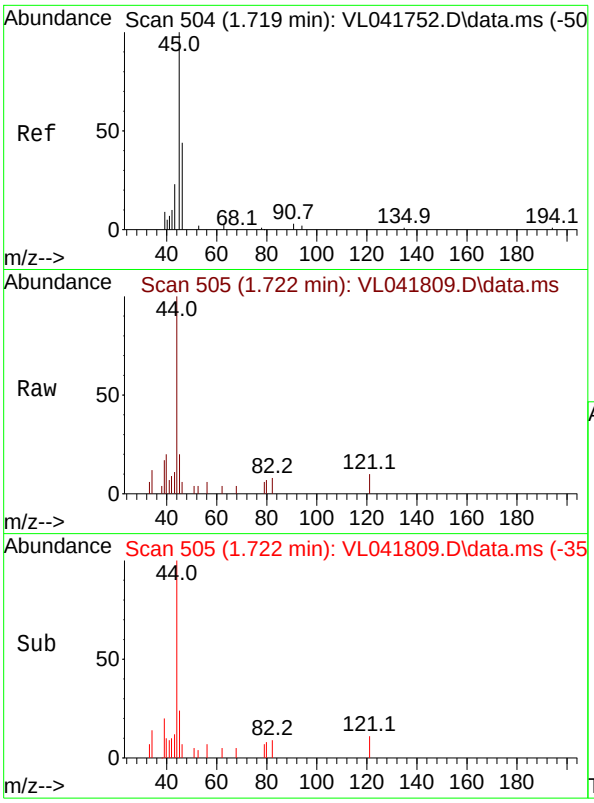


#9
Propene
Concen: 0.054 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Tgt Ion: 41 Resp: 285

Ion	Ratio	Lower	Upper
41	100		
42	53.3	52.4	78.6



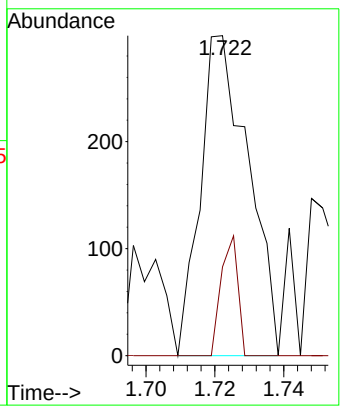


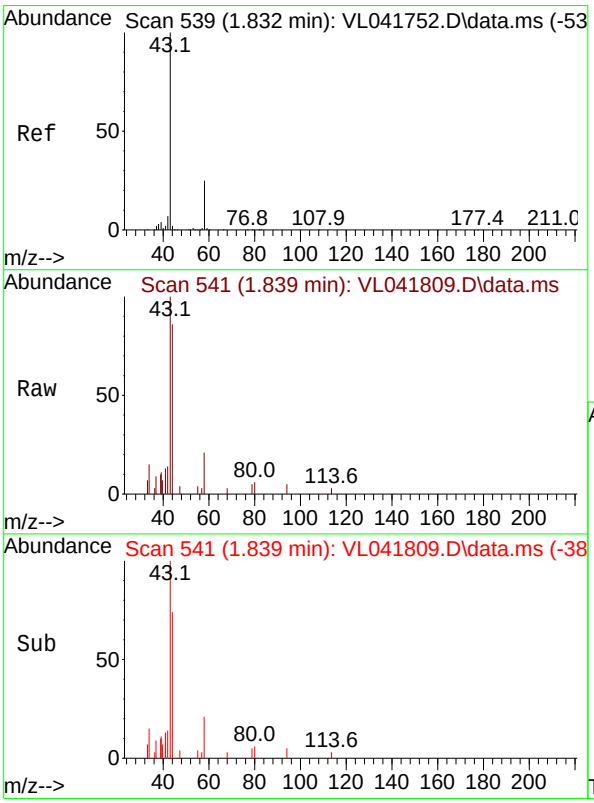
#13
Ethanol
Concen: 0.666 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 45 Resp: 290

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.4	65.8#

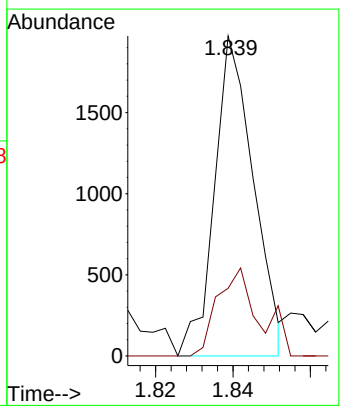


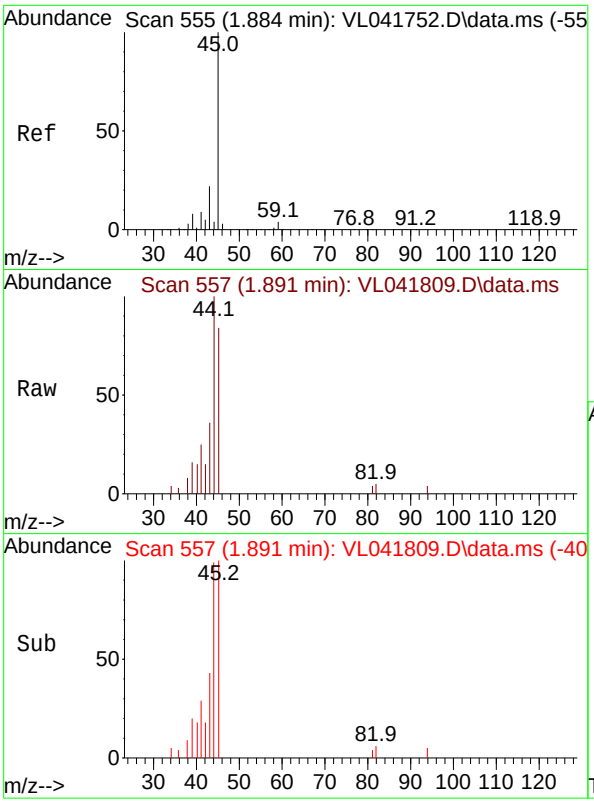


#15
Acetone
Concen: 0.095 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Tgt Ion: 43 Resp: 1380

Ion	Ratio	Lower	Upper
43	100		
58	29.2	19.7	29.5



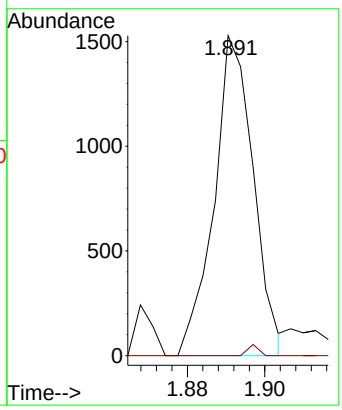


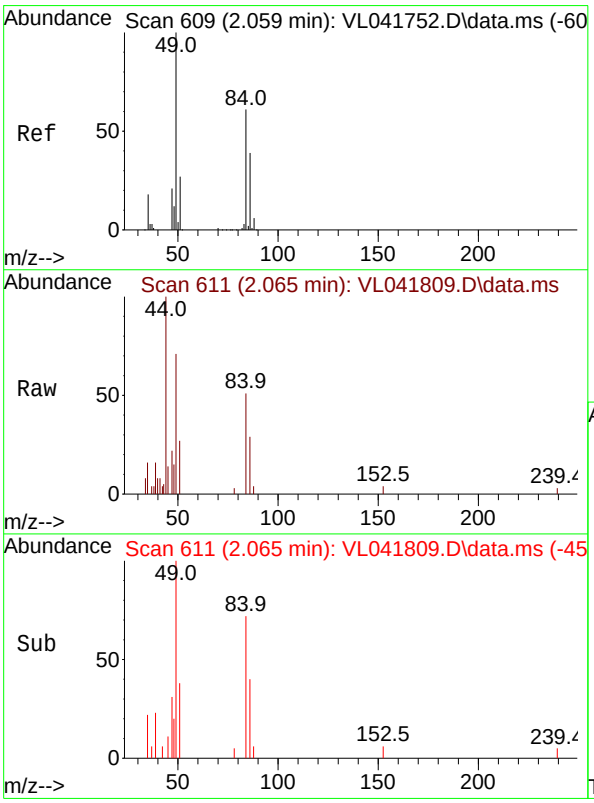
#19
Isopropyl Alcohol
Concen: 0.124 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 45 Resp: 1074

Ion	Ratio	Lower	Upper
45	100		
58	0.0	33.3	49.9#

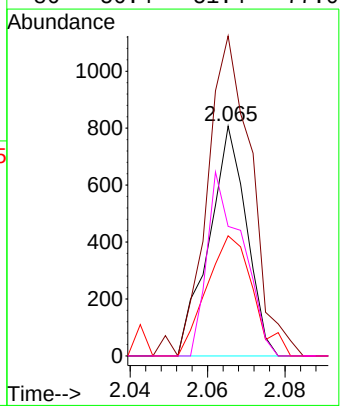


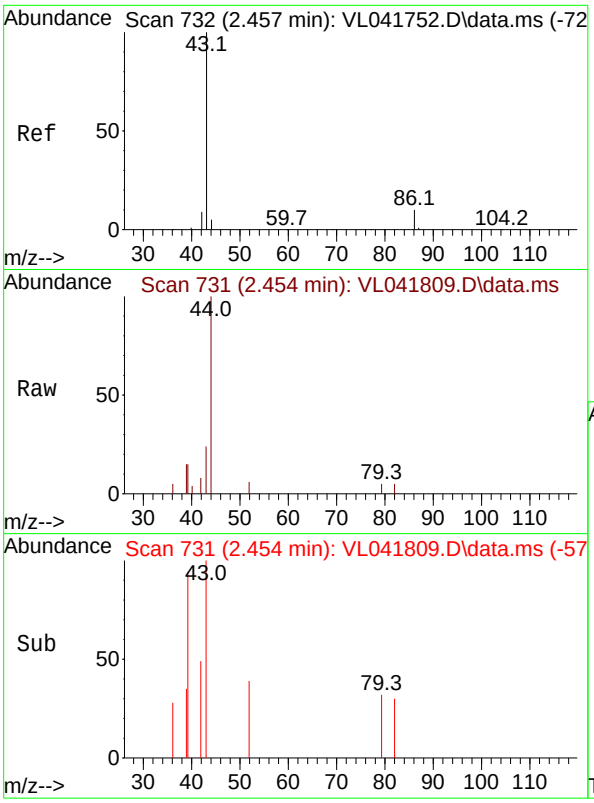


#20
Methylene Chloride
Concen: 0.131 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Tgt Ion: 84 Resp: 542

Ion	Ratio	Lower	Upper
84	100		
49	139.3	132.6	198.8
51	52.3	37.6	56.4
86	56.4	51.4	77.0



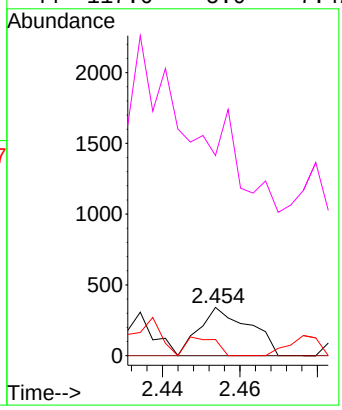


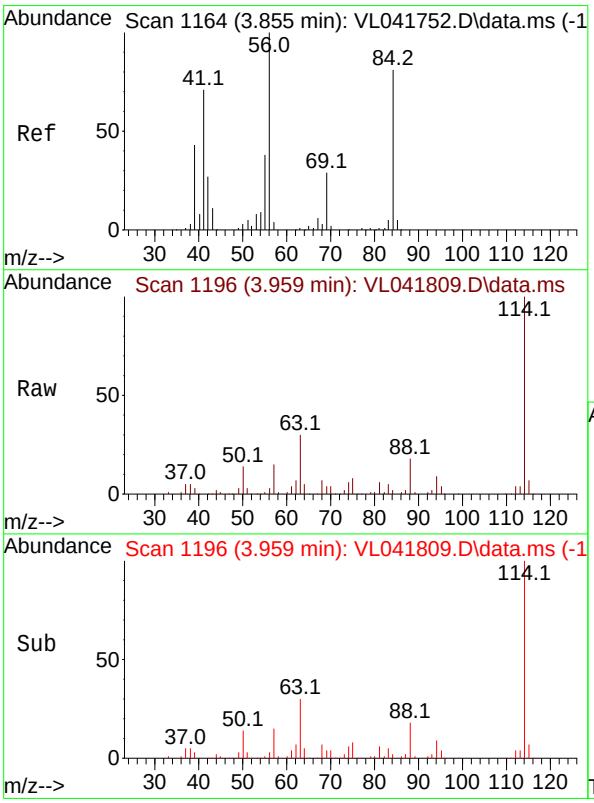
#23
Vinyl Acetate
Concen: 0.045 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 305

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	10.0#
42	33.4	8.2	12.2#
44	117.6	5.0	7.4#

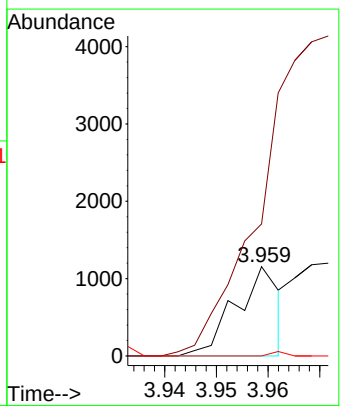


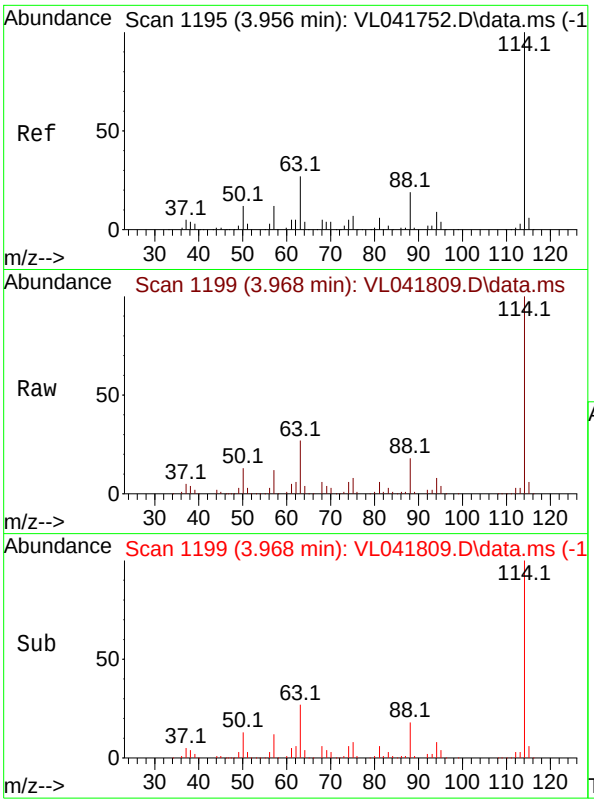


#30
Cyclohexane
Concen: 0.078 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.103 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Tgt Ion: 84 Resp: 683

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.3	153.5#
41	4.4	74.0	111.0#



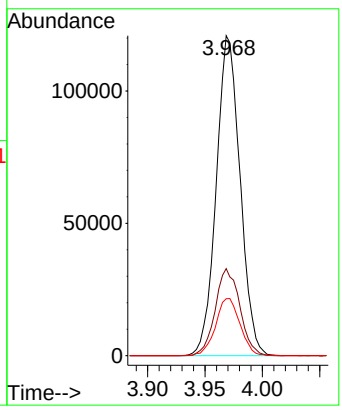


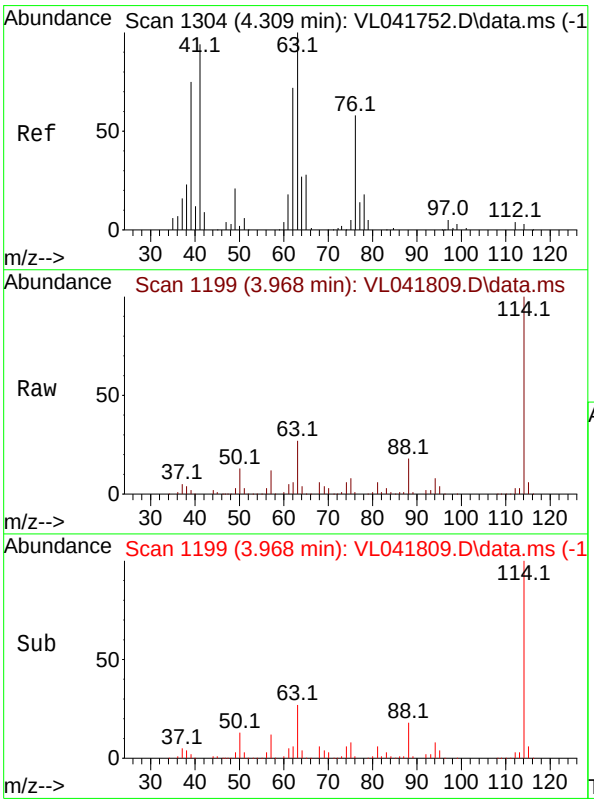
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 174576

Ion	Ratio	Lower	Upper
114	100		
63	28.1	21.8	32.8
88	18.4	14.8	22.2

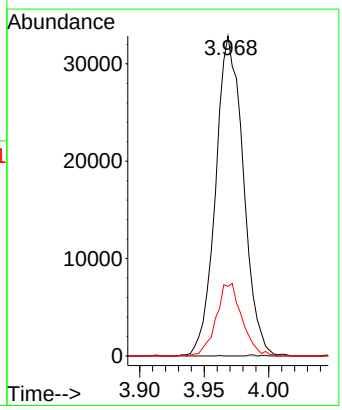


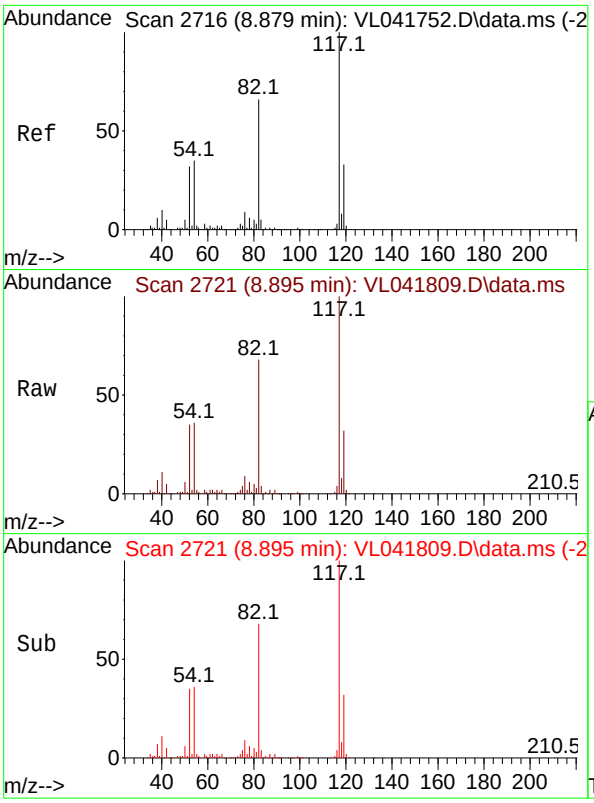


#39
1,2-Dichloropropane
Concen: 7.506 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.340 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Tgt Ion: 63 Resp: 49023

Ion	Ratio	Lower	Upper
63	100		
41	0.0	75.3	112.9#
62	21.7	57.3	85.9#



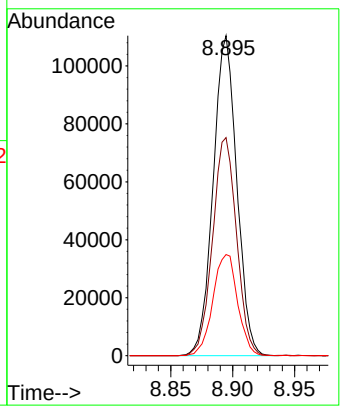


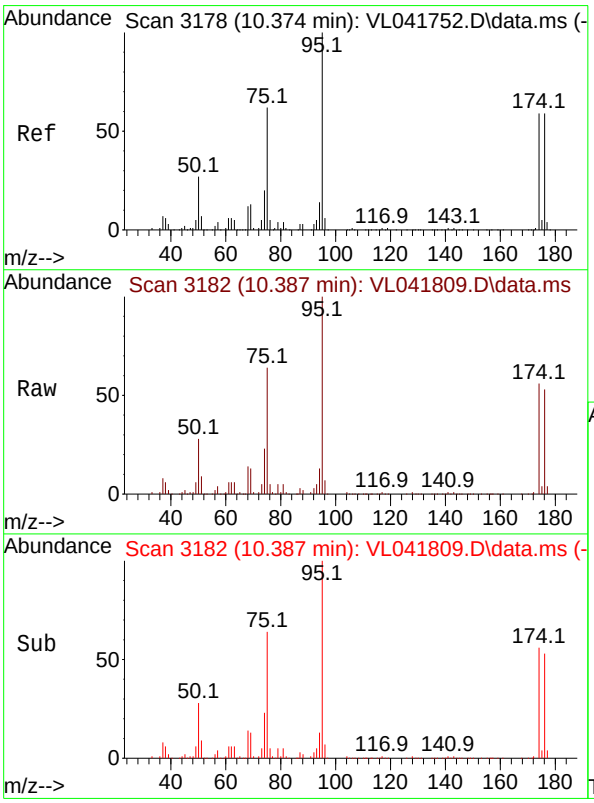
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 147066

Ion	Ratio	Lower	Upper
117	100		
82	69.1	53.8	80.8
119	33.1	26.7	40.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.126 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.013 min
Lab File: VL041809.D
Acq: 18 Dec 2024 23:40

Tgt Ion: 95 Resp: 124098

Ion	Ratio	Lower	Upper
95	100		
174	56.9	47.6	71.4
175	4.5	3.7	5.5