Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042766.D
Acq On : 24 Jul 2025 15:40
Operator : SY/MD
Sample : Q2671-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Quant Time: Jul 25 01:28:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	151501	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	406624	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	359050	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281008	9.883	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1068	0.053	ppbv	94
3) Chlorodifluoromethane	1.467	51	2192	0.084	ppbv #	74
4) Chloromethane	1.535	50	483	0.060	ppbv #	57
9) Propene	1.622	41	597	0.063	ppbv	98
13) Ethanol	1.434	45	145241	209.182	ppbv #	1
15) Acetone	1.836	43	10850	0.519	ppbv	94
16) 1,3-Butadiene	1.609	39	535	0.060	ppbv #	16
19) Isopropyl Alcohol	1.434	45	145241	13.065	ppbv #	38
20) Methylene Chloride	2.062	84	1873	0.284	ppbv #	74
23) Vinyl Acetate	2.457	43	851	0.034	ppbv #	63
25) Ethyl Acetate	2.826	43	9485	0.205	ppbv #	80
26) Hexane	2.829	57	13254	0.652	ppbv #	40
39) 1,2-Dichloropropane	3.959	63	105225	7.397	ppbv #	22
79) Naphthalene	13.504	128	32	0.436	ppbv #	69
80) Naphthalene,2-methyl-	14.552	142	35	1.130	ppbv #	32
81) 1,2,4-Trichlorobenzene	13.439	180	28	0.436	ppbv #	1

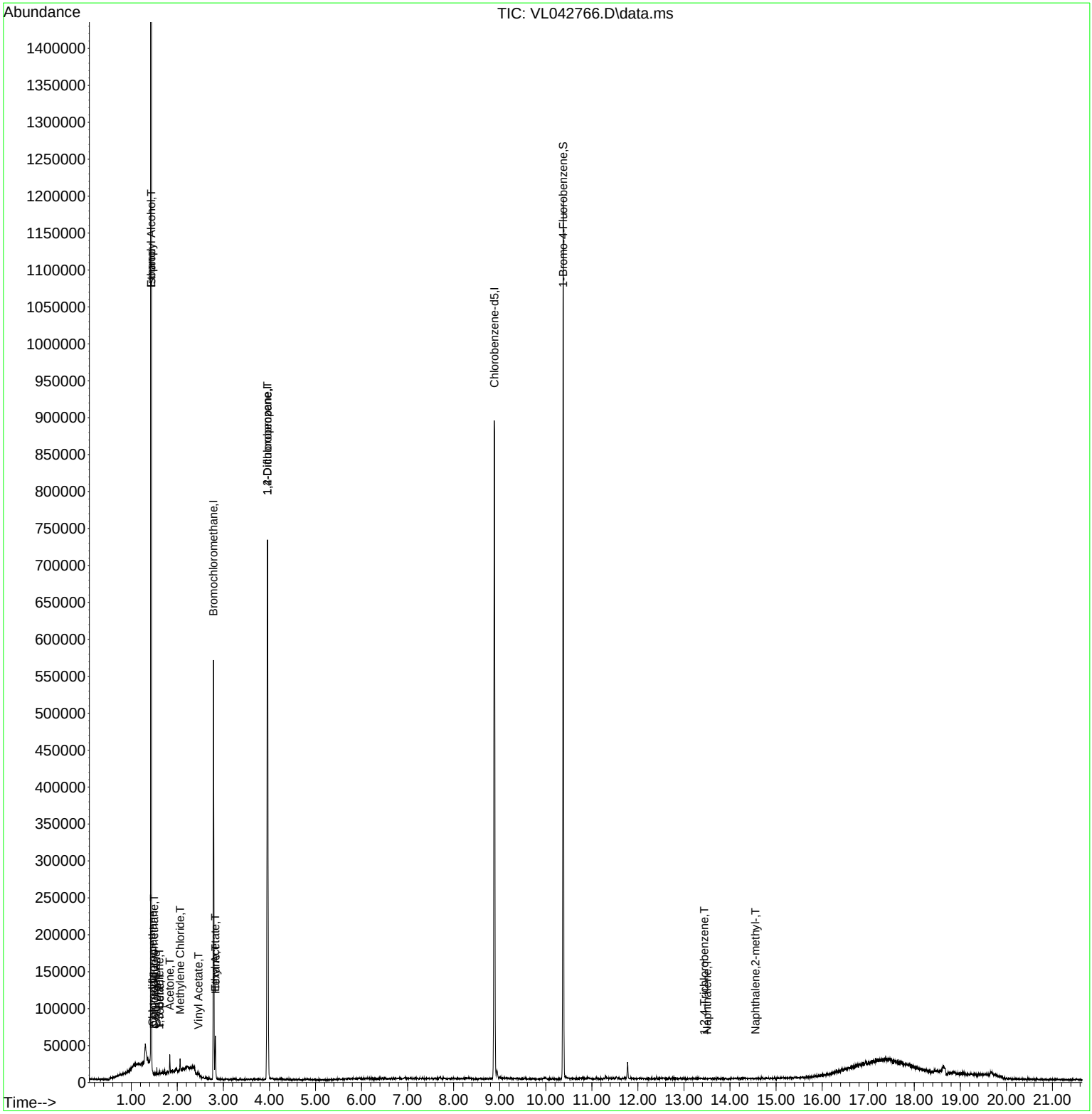
(#) = qualifier out of range (m) = manual integration (+) = signals summed

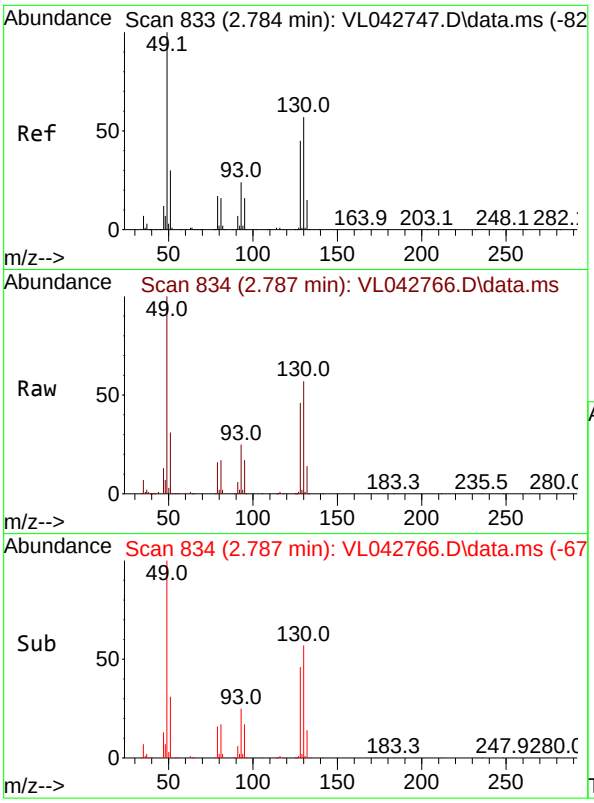
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042766.D
Acq On : 24 Jul 2025 15:40
Operator : SY/MD
Sample : Q2671-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Quant Time: Jul 25 01:28:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration



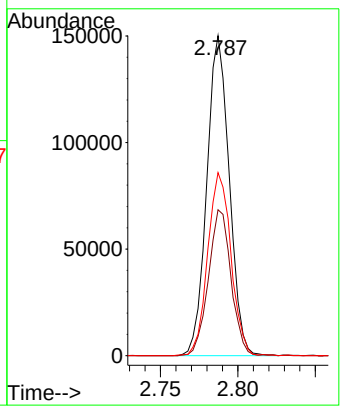


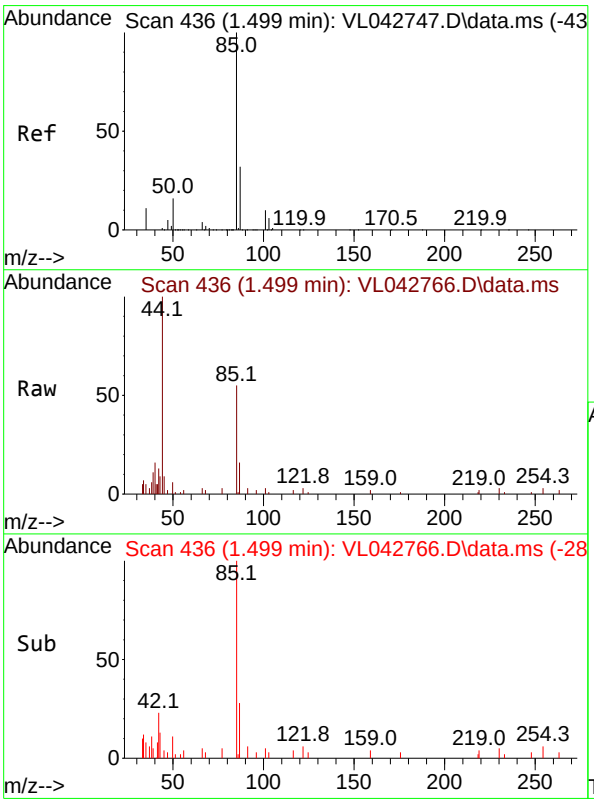
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 49 Resp: 151501

Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.6	71.0
130	59.2	30.3	90.8

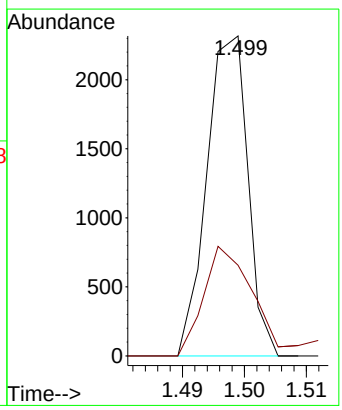


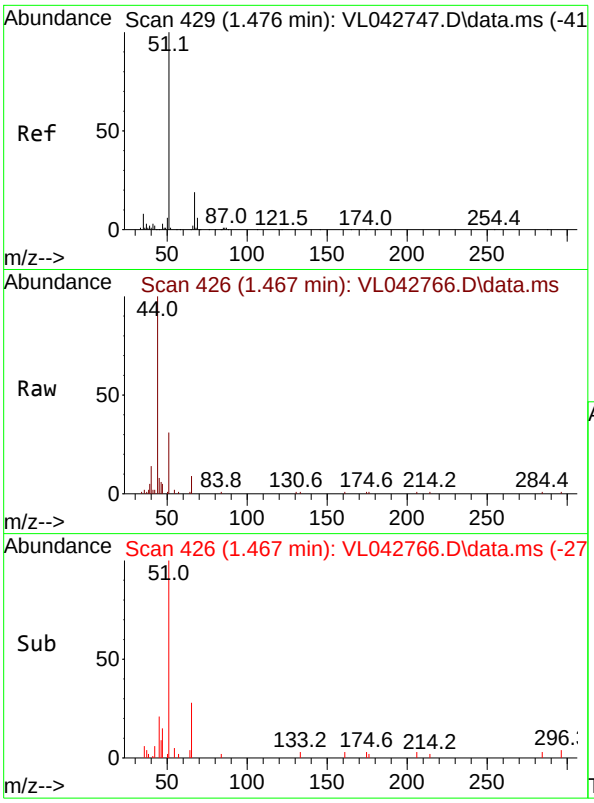


#2
Dichlorodifluoromethane
Concen: 0.053 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 85 Resp: 1068

Ion	Ratio	Lower	Upper
85	100		
87	28.4	25.4	38.2



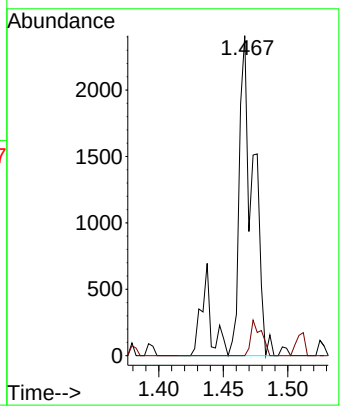


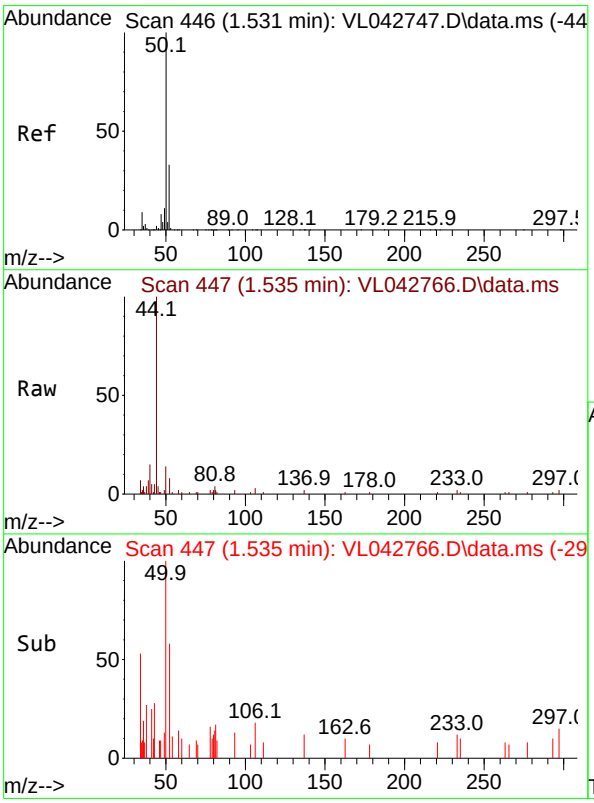
#3
Chlorodifluoromethane
Concen: 0.084 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 51 Resp: 2192

Ion	Ratio	Lower	Upper
51	100		
67	6.9	15.0	22.6#

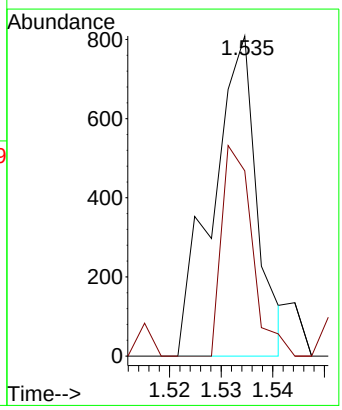


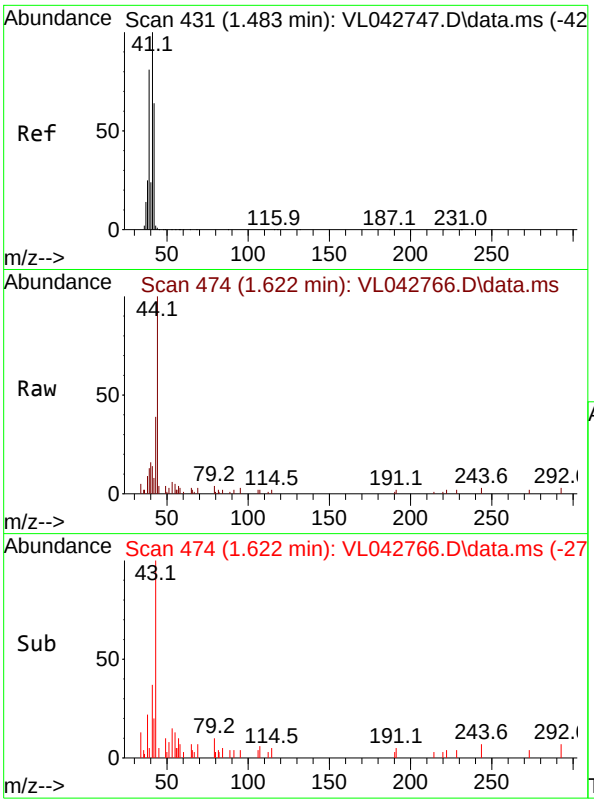


#4
Chloromethane
Concen: 0.060 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 50 Resp: 483

Ion	Ratio	Lower	Upper
50	100		
52	57.8	26.6	40.0#



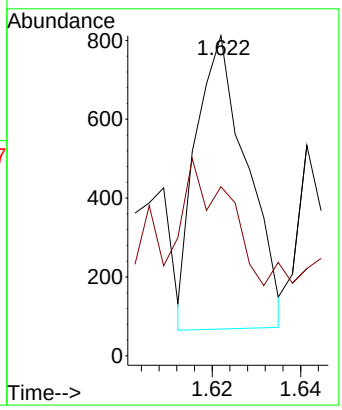


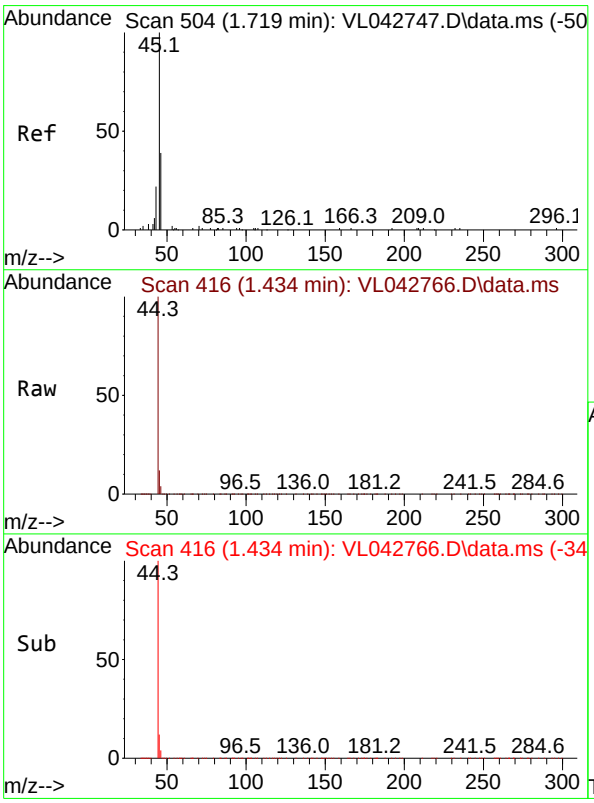
#9
Propene
Concen: 0.063 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.139 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 41 Resp: 597

Ion	Ratio	Lower	Upper
41	100		
42	64.8	53.2	79.8

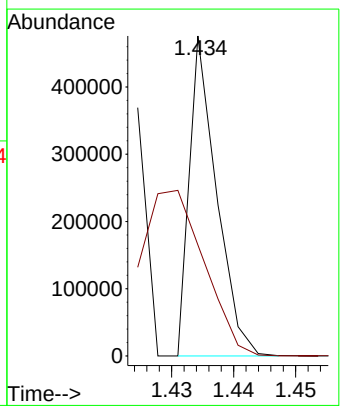


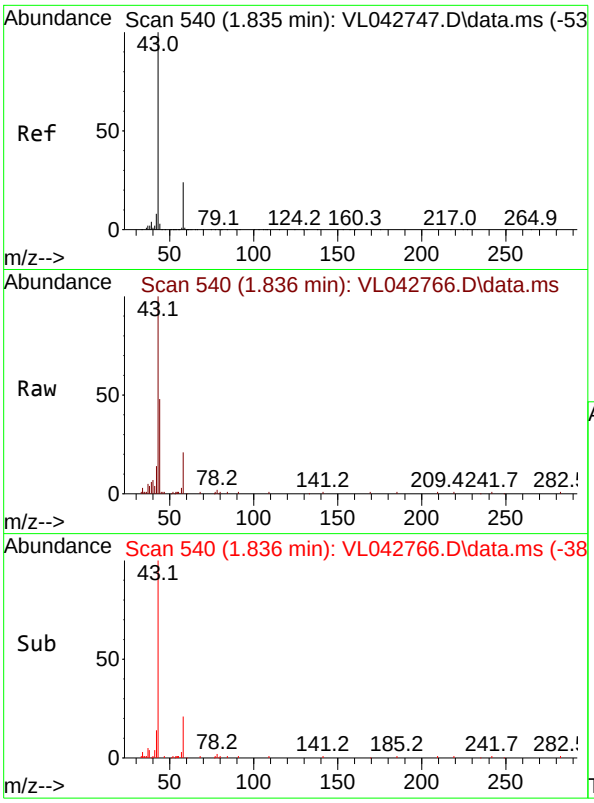


#13
Ethanol
Concen: 209.182 ppbv
RT: 1.434 min Scan# 416
Delta R.T. -0.285 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 45 Resp: 145241

Ion	Ratio	Lower	Upper
45	100		
46	122.6	17.8	71.4#



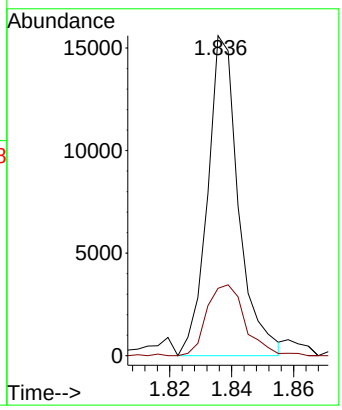


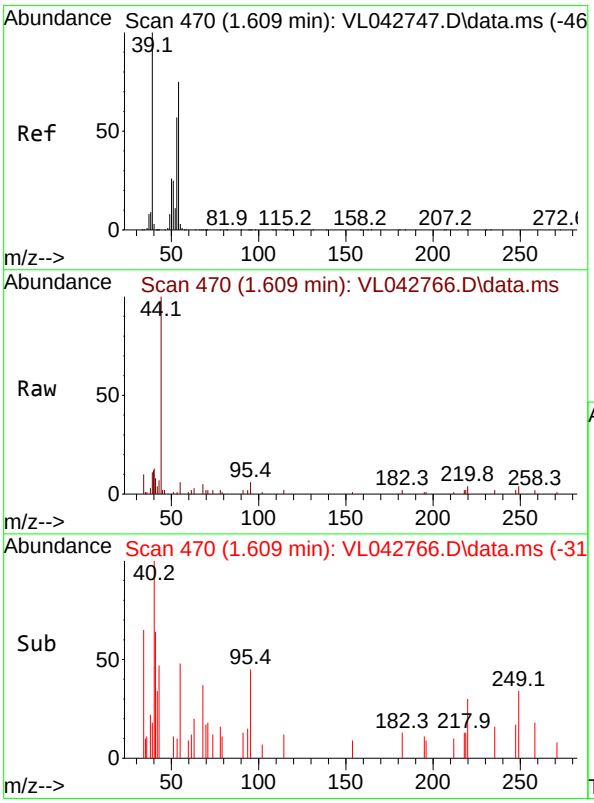
#15
Acetone
Concen: 0.519 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 43 Resp: 10850

Ion	Ratio	Lower	Upper
43	100		
58	27.6	19.8	29.8

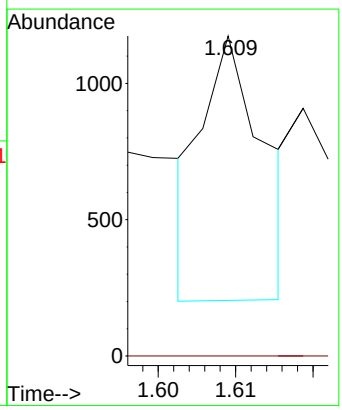


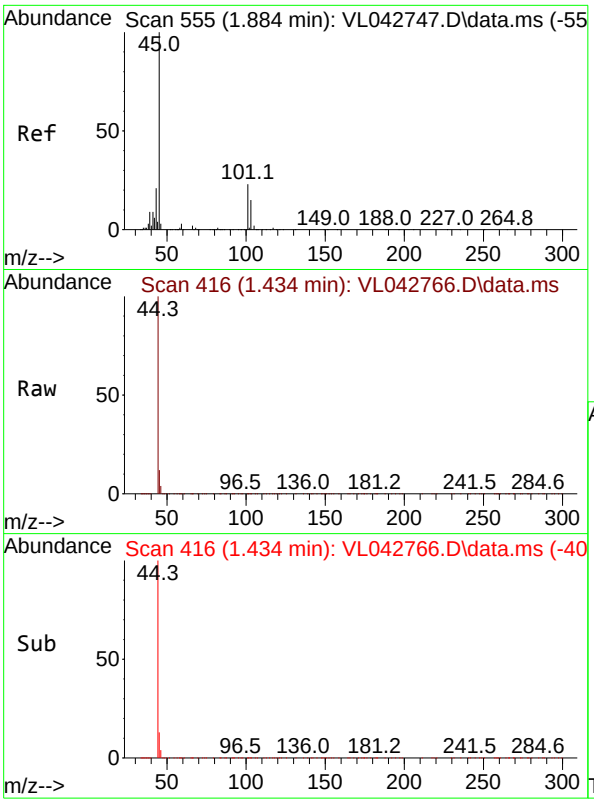


#16
1,3-Butadiene
Concen: 0.060 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 39 Resp: 535

Ion	Ratio	Lower	Upper
39	100		
54	0.0	54.5	81.7#



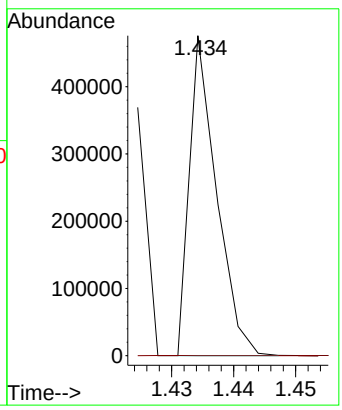


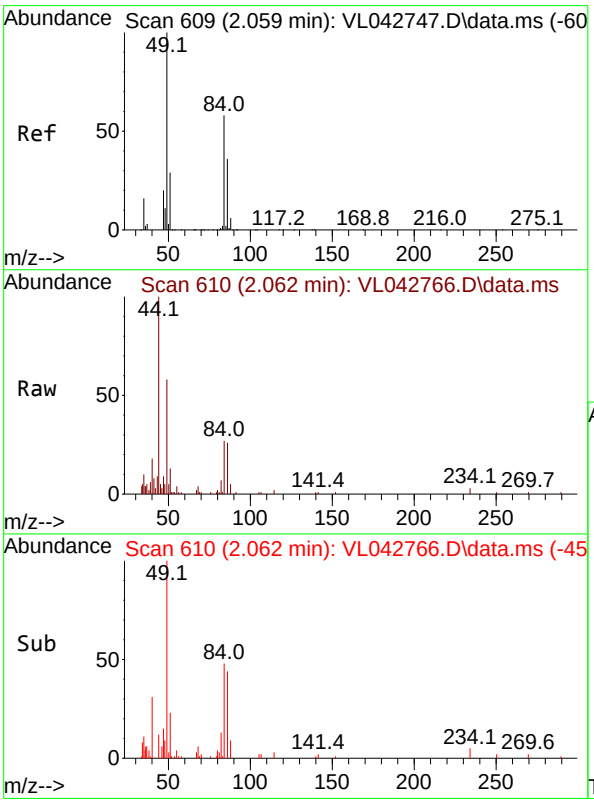
#19
Isopropyl Alcohol
Concen: 13.065 ppbv
RT: 1.434 min Scan# 4
Delta R.T. -0.450 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 45 Resp: 145241

Ion	Ratio	Lower	Upper
45	100		
58	0.2	30.0	45.0#

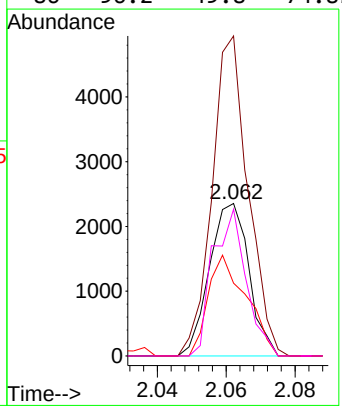


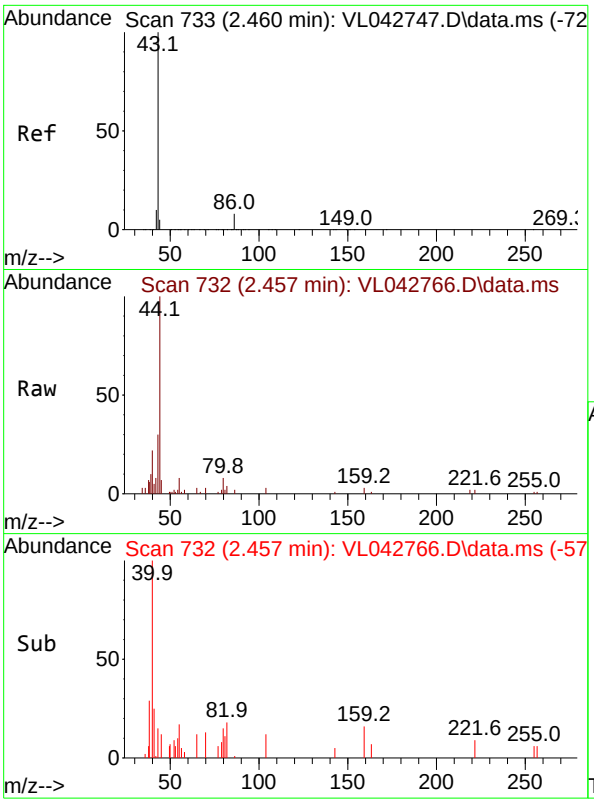


#20
Methylene Chloride
Concen: 0.284 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 84 Resp: 1873

Ion	Ratio	Lower	Upper
84	100		
49	209.8	138.6	208.0#
51	47.7	40.6	61.0
86	96.2	49.8	74.8#



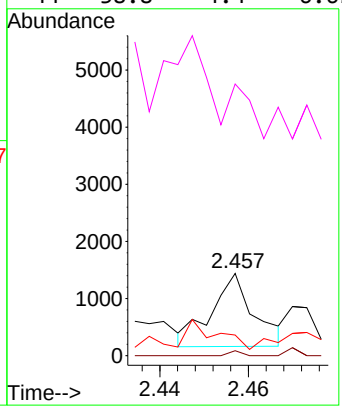


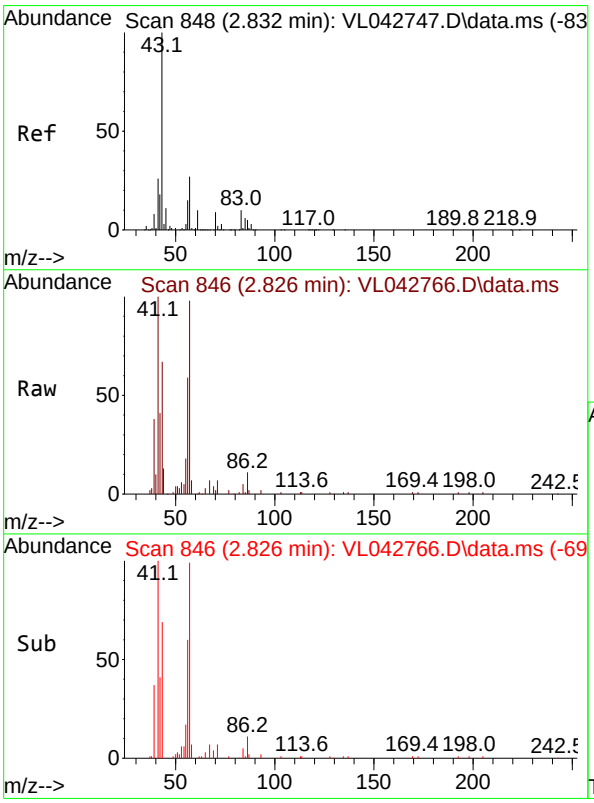
#23
Vinyl Acetate
Concen: 0.034 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 43 Resp: 851

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.1	9.1
42	20.3	7.8	11.8#
44	38.8	4.4	6.6#

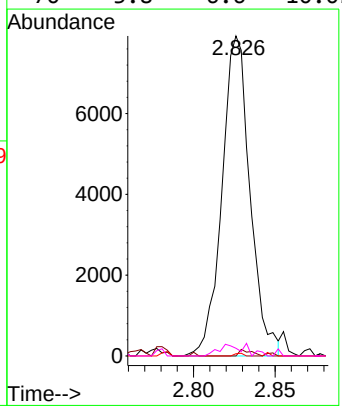


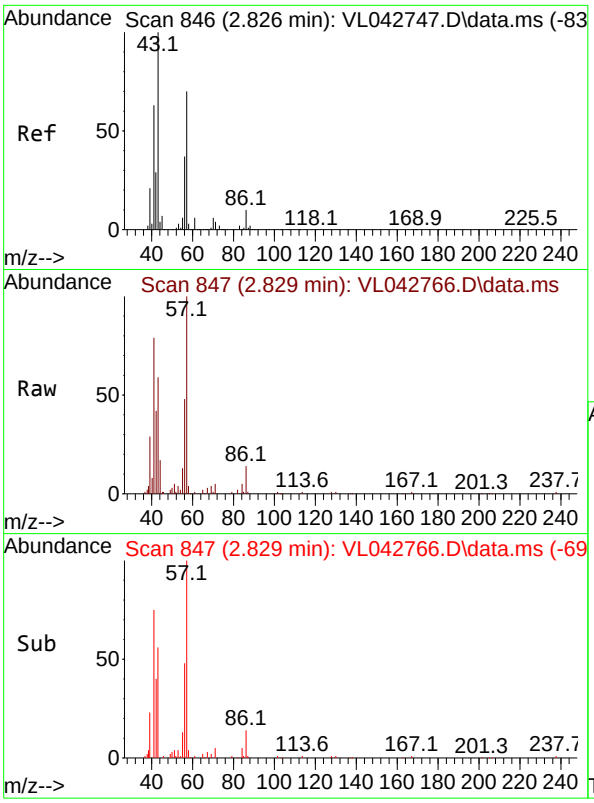


#25
Ethyl Acetate
Concen: 0.205 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.006 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 43 Resp: 9485

Ion	Ratio	Lower	Upper
43	100		
45	1.1	7.8	11.6#
61	0.0	6.7	10.1#
70	3.8	6.6	10.0#



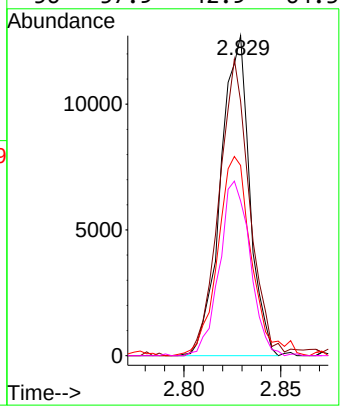


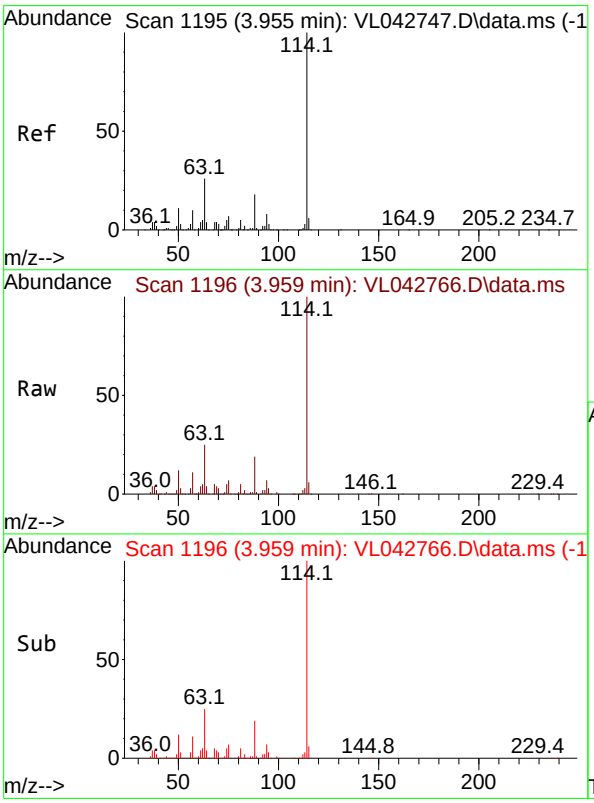
#26
Hexane
Concen: 0.652 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 57 Resp: 13254

Ion	Ratio	Lower	Upper
57	100		
41	101.1	75.4	113.2
43	74.3	185.0	277.6#
56	57.9	42.9	64.3

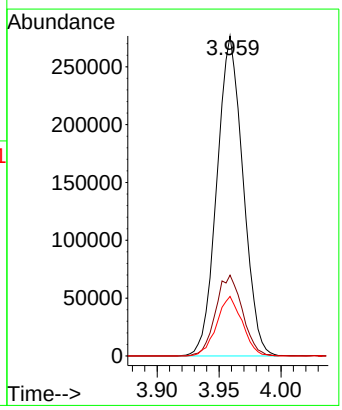


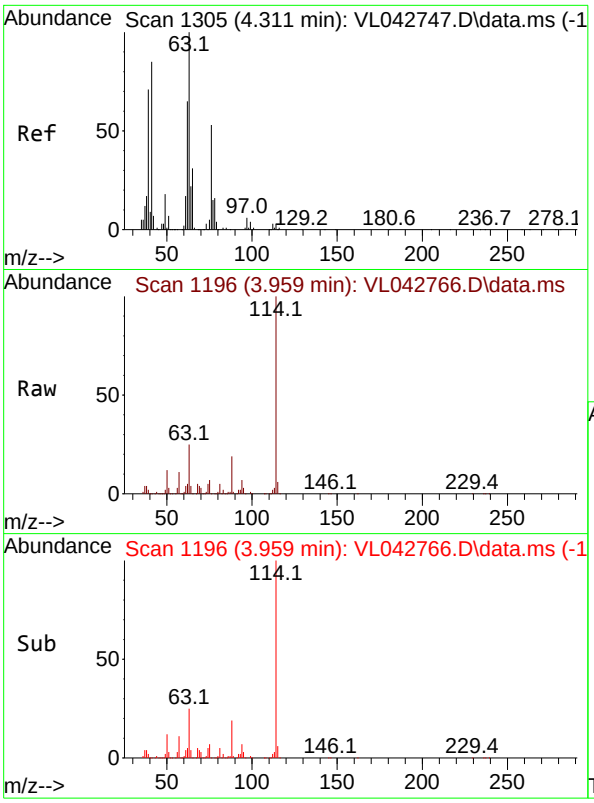


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion:114 Resp: 406624

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.5	30.7
88	18.2	14.0	21.0



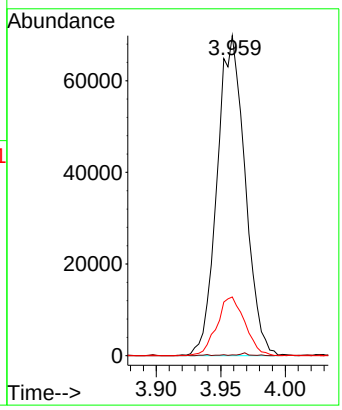


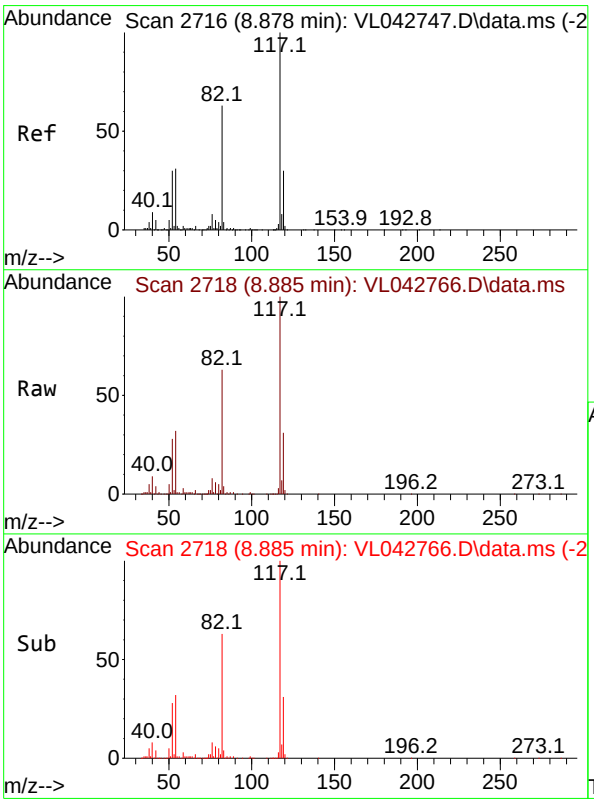
#39
1,2-Dichloropropane
Concen: 7.397 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.353 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 63 Resp: 105225

Ion	Ratio	Lower	Upper
63	100		
41	0.1	68.2	102.4#
62	18.3	52.0	78.0#

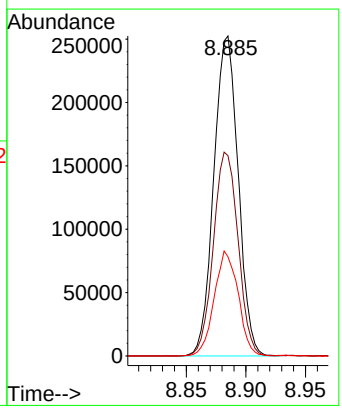


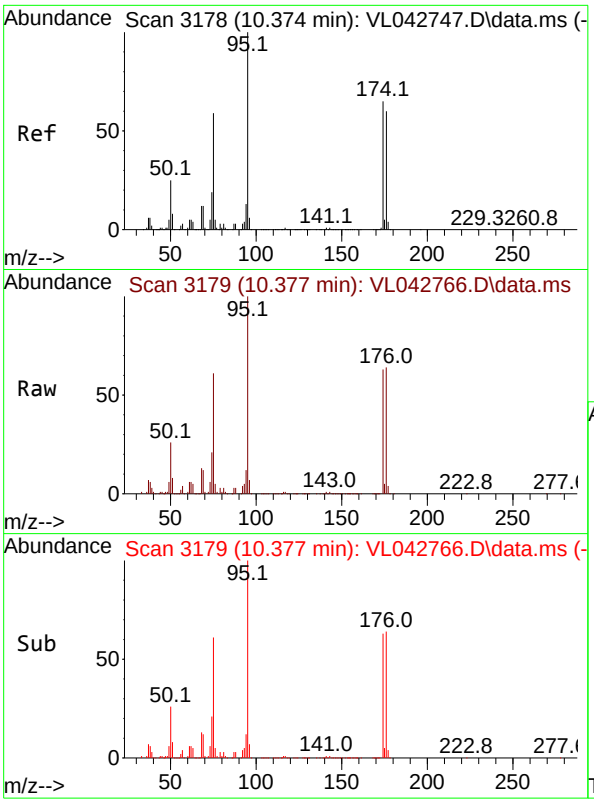


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.007 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion:117 Resp: 359050

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.3	79.9
119	32.4	25.8	38.6



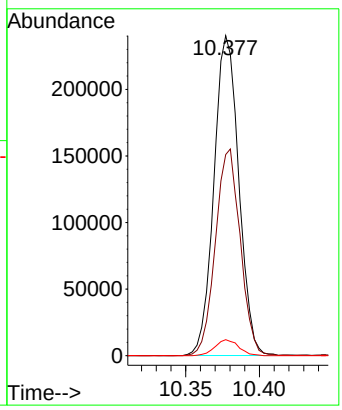


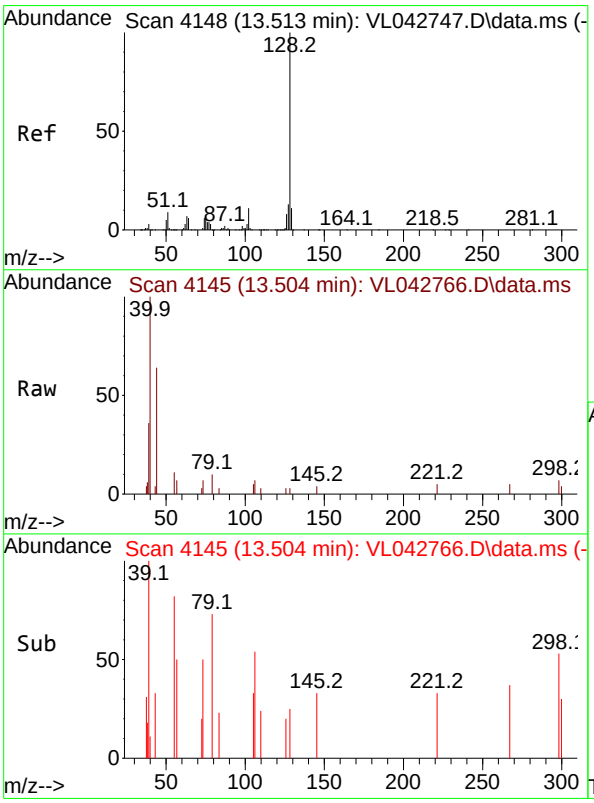
#68
1-Bromo-4-Fluorobenzene
Concen: 9.883 ppbv
RT: 10.377 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

Tgt Ion: 95 Resp: 281008

Ion	Ratio	Lower	Upper
95	100		
174	64.9	53.8	80.6
175	4.8	4.0	6.0

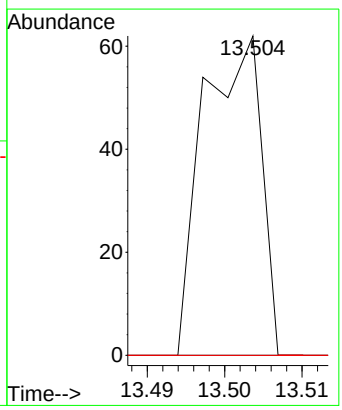


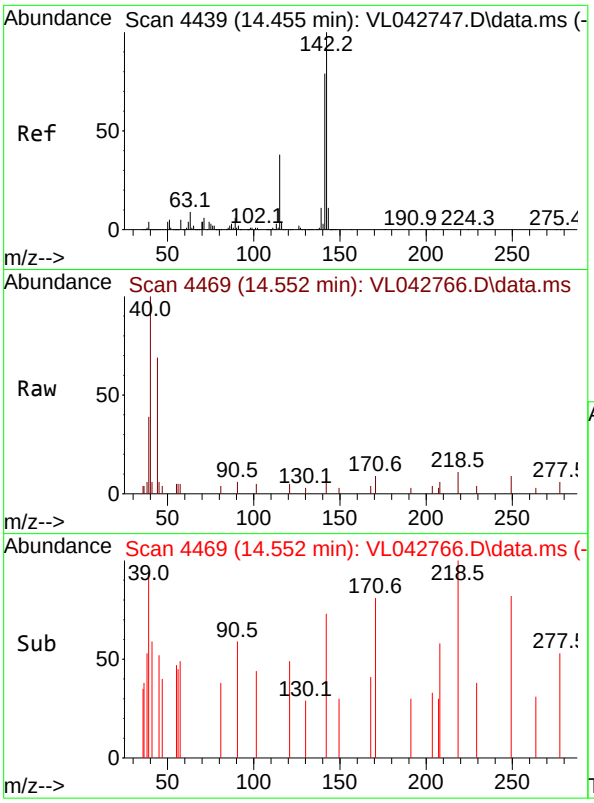


#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.504 min Scan# 4145
Delta R.T. -0.010 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion:128 Resp: 32

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#



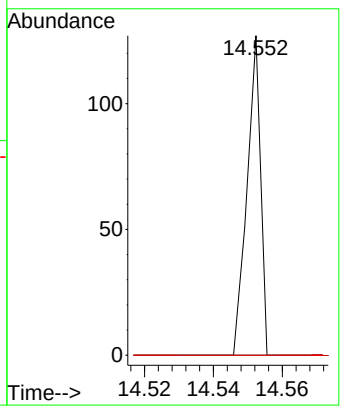


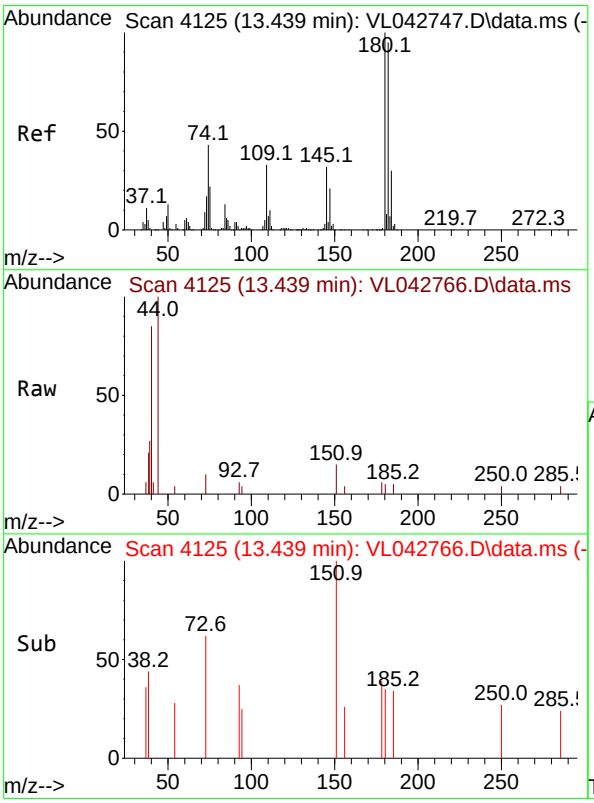
#80
Naphthalene,2-methyl-
Concen: 1.130 ppbv
RT: 14.552 min Scan# 44
Delta R.T. 0.097 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
118-AAIDL

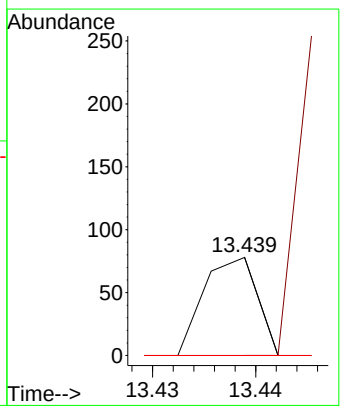
Tgt Ion:142 Resp: 35

Ion	Ratio	Lower	Upper
142	100		
141	0.0	65.8	98.8#
115	28.6	31.2	46.8#





#81
1,2,4-Trichlorobenzene
Concen: 0.436 ppbv
RT: 13.439 min Scan# 4125
Delta R.T. 0.000 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion:180 Resp: 28

Ion	Ratio	Lower	Upper
180	100		
182	264.3	76.2	114.2#
184	0.0	24.8	37.2#