Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
Data File : VL042820.D
Acq On : 04 Aug 2025 23:38
Operator : SY/MD
Sample : Q2750-09DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Quant Time: Aug 05 01:15:18 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	142414	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	363823	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	316195	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	239599	9.568	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	621	0.033	ppbv #	77
3) Chlorodifluoromethane	1.476	51	11181	0.456	ppbv	96
4) Chloromethane	1.531	50	581	0.076	ppbv #	82
7) Chloroethane	1.712	64	152	0.052	ppbv #	45
9) Propene	1.560	41	202700	22.738	ppbv	96
13) Ethanol	1.722	45	37632	56.823	ppbv	88
14) Bromoethene	1.793	108	118	0.023	ppbv #	1
15) Acetone	1.835	43	15940	0.811	ppbv	95
16) 1,3-Butadiene	1.622	39	2145	0.256	ppbv #	30
17) tert-Butyl alcohol	1.884	59	10707	0.604	ppbv	96
19) Isopropyl Alcohol	1.887	45	298627	28.576	ppbv #	40
20) Methylene Chloride	2.065	84	1818	0.293	ppbv #	64
21) Allyl Chloride	1.968	41	1586	0.131	ppbv #	66
26) Hexane	2.832	57	1562	0.082	ppbv #	39
34) 2-Butanone	2.567	43	1985	0.077	ppbv #	81
39) 1,2-Dichloropropane	3.959	63	94949	7.460	ppbv #	22
79) Naphthalene	13.507	128	10	0.435	ppbv #	1
80) Naphthalene,2-methyl-	14.610	142	24	1.129	ppbv #	35
81) 1,2,4-Trichlorobenzene	13.390	180	55	0.437	ppbv #	58

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
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Instrument :
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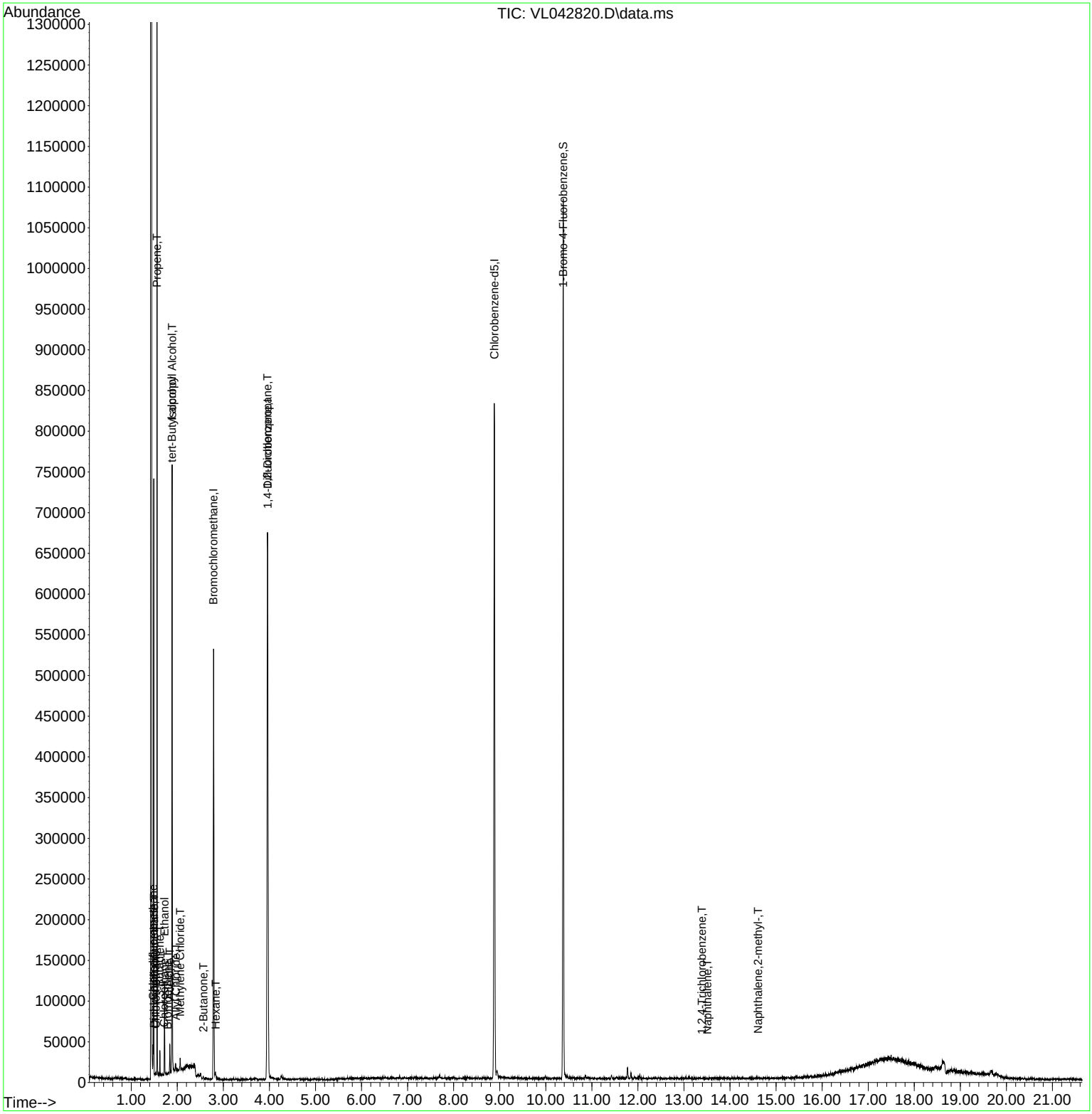
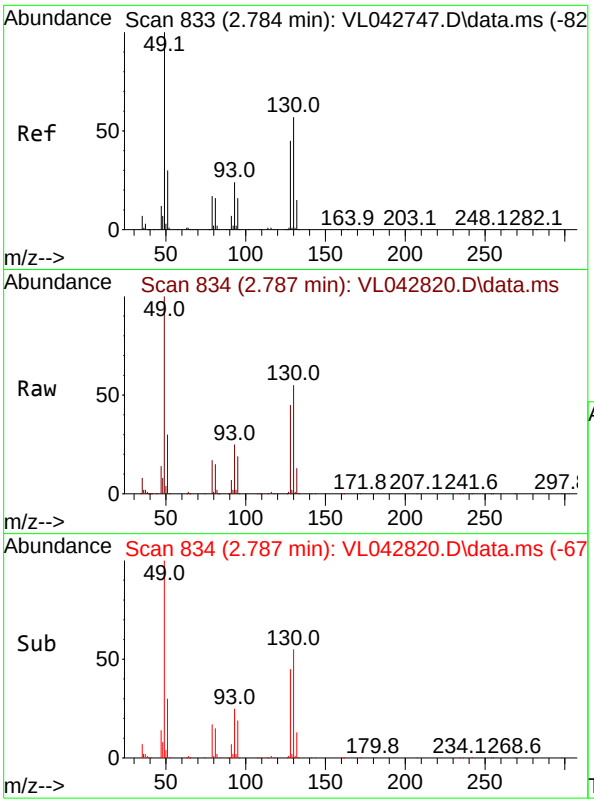
ClientSampleId :
WONDER IA-10DL

Quant Time: Aug 05 01:15:18 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



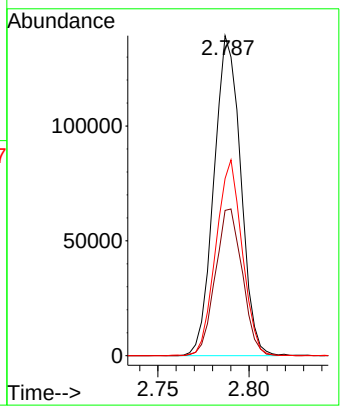


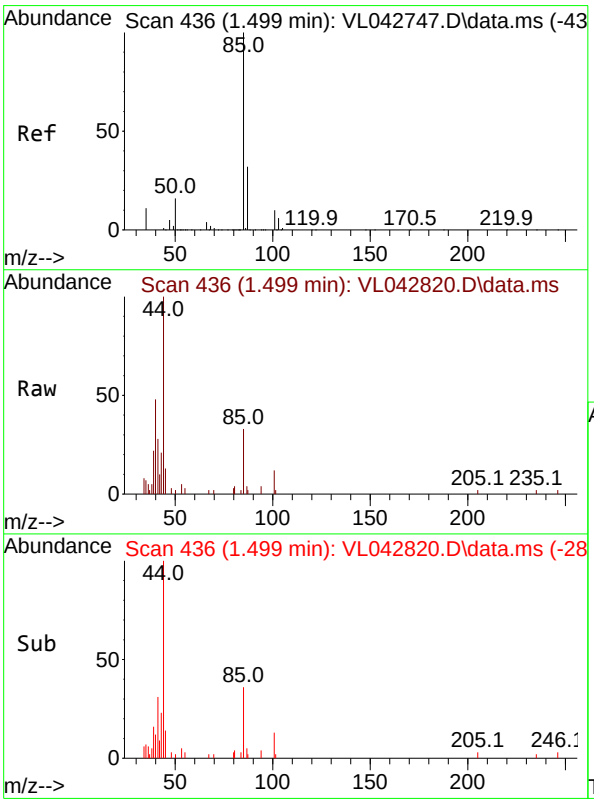
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 49 Resp: 142414

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.6	71.0
130	60.0	30.3	90.8

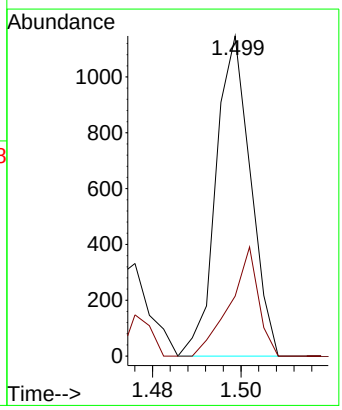


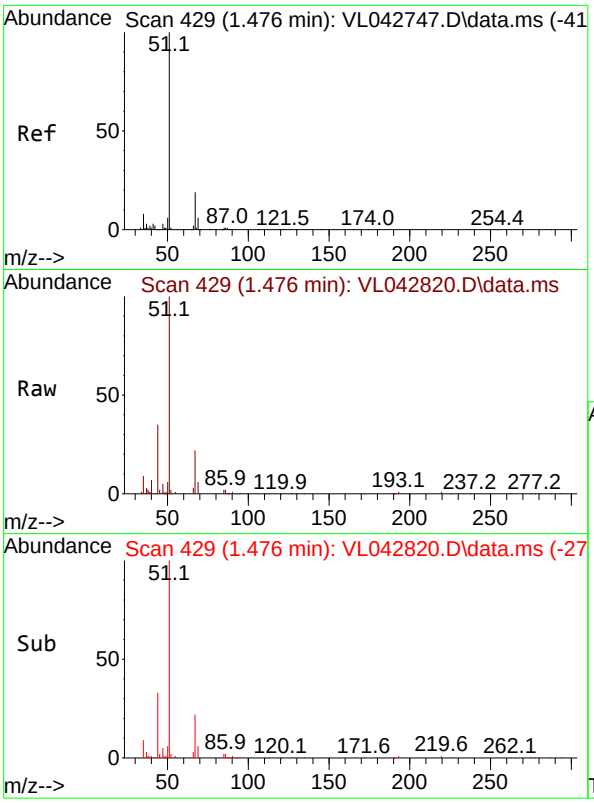


#2
Dichlorodifluoromethane
Concen: 0.033 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 85 Resp: 621

Ion	Ratio	Lower	Upper
85	100		
87	18.7	25.4	38.2#



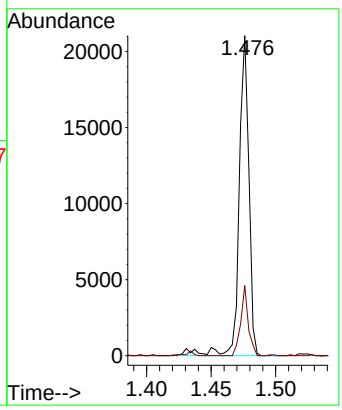


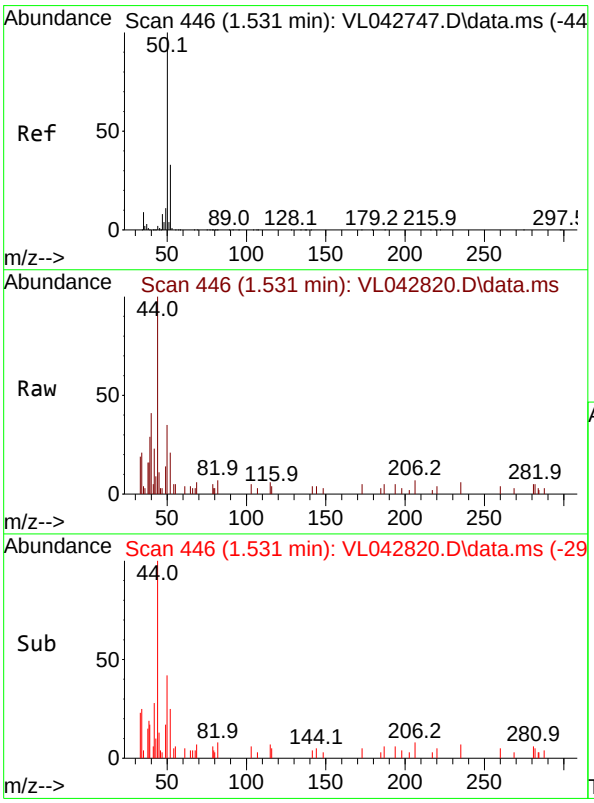
#3
Chlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 51 Resp: 11181

Ion	Ratio	Lower	Upper
51	100		
67	16.9	15.0	22.6

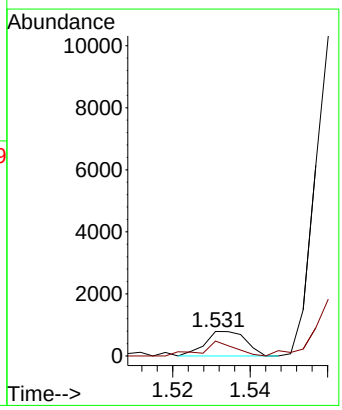


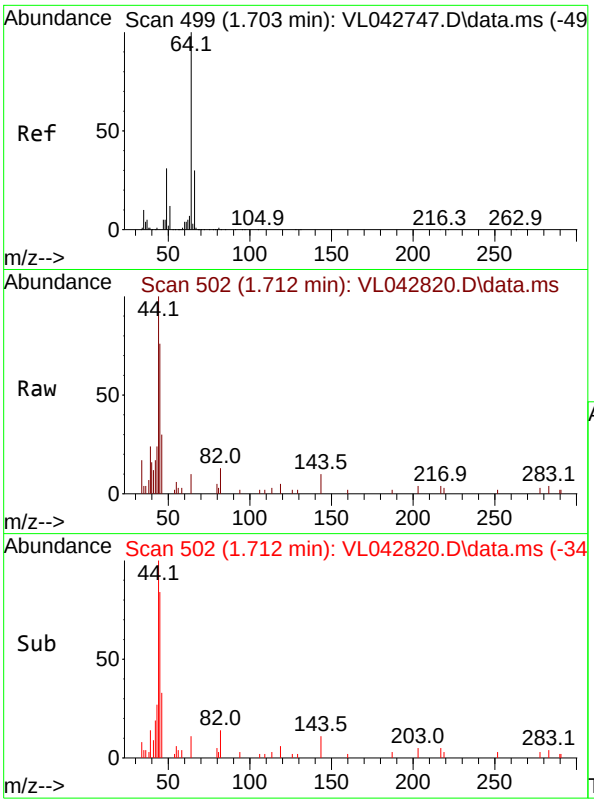


#4
Chloromethane
Concen: 0.076 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 50 Resp: 581

Ion	Ratio	Lower	Upper
50	100		
52	43.4	26.6	40.0#



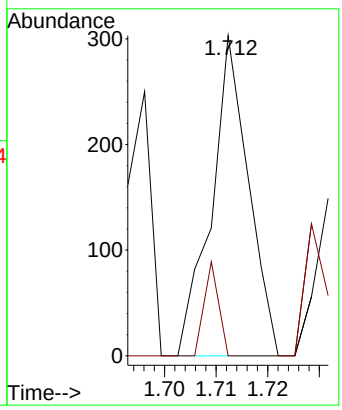


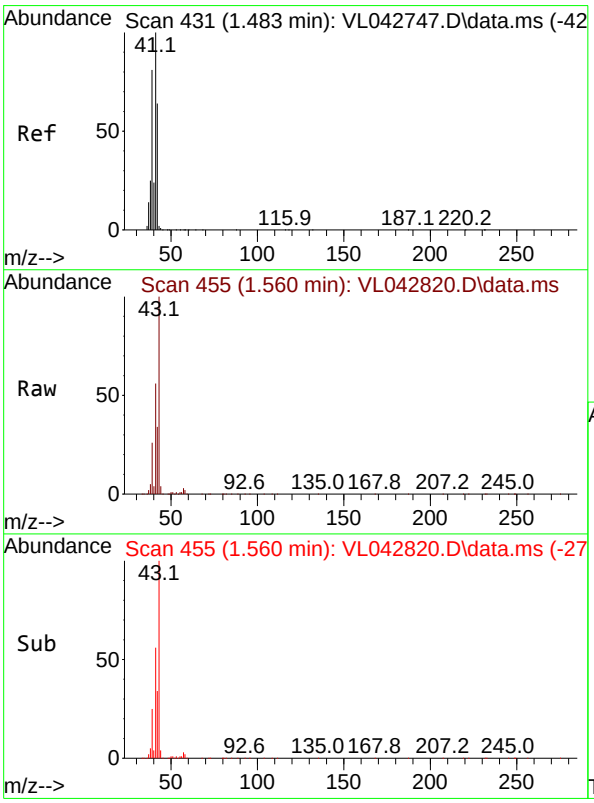
#7
Chloroethane
Concen: 0.052 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 64 Resp: 152

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.1	36.1#

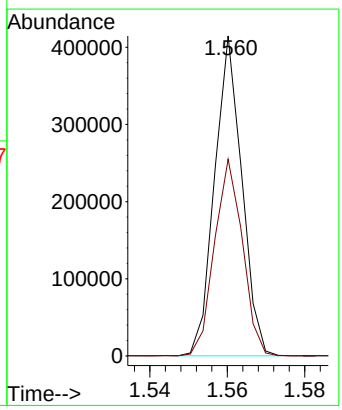


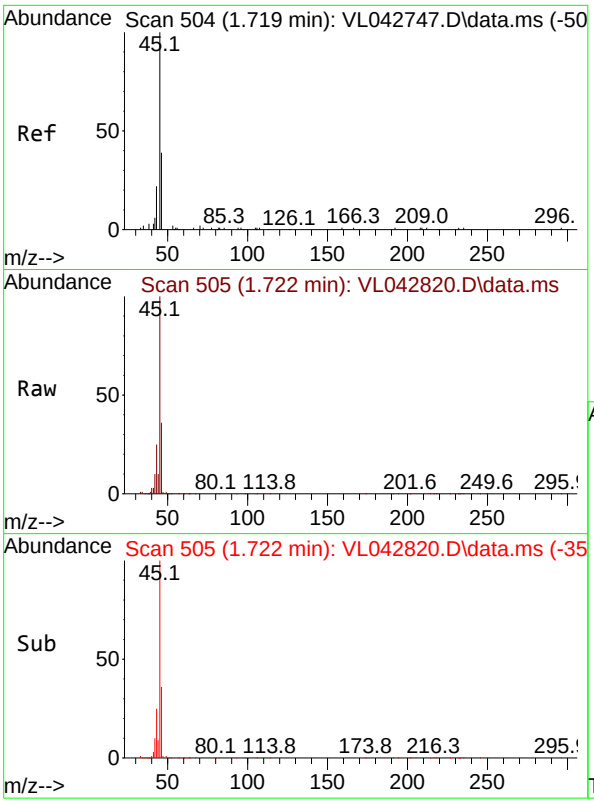


#9
Propene
Concen: 22.738 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 41 Resp: 202700

Ion	Ratio	Lower	Upper
41	100		
42	63.3	53.2	79.8



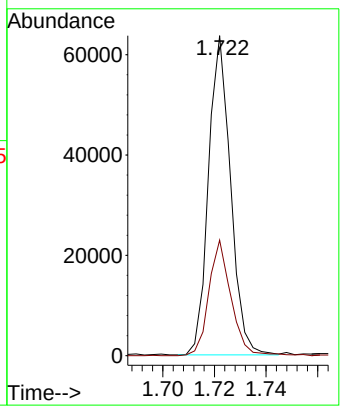


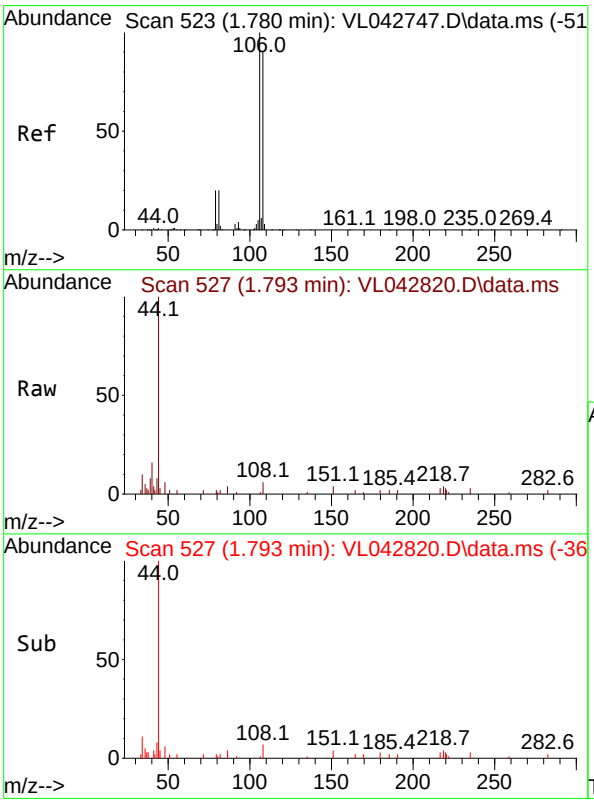
#13
Ethanol
Concen: 56.823 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 45 Resp: 37632

Ion	Ratio	Lower	Upper
45	100		
46	37.0	17.8	71.4

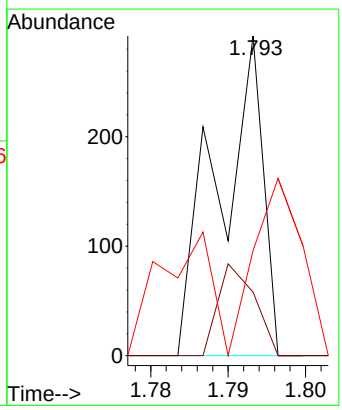


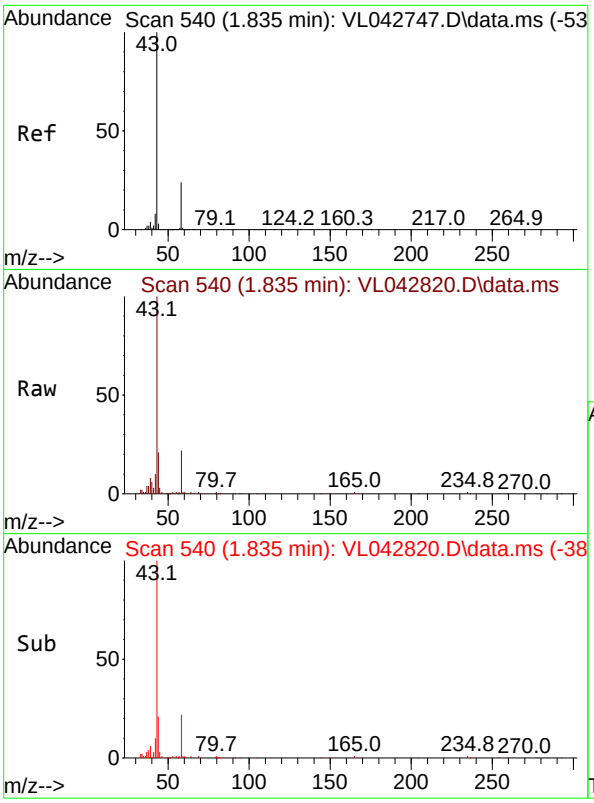


#14
Bromoethene
Concen: 0.023 ppbv
RT: 1.793 min Scan# 527
Delta R.T. 0.013 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion:108 Resp: 118

Ion	Ratio	Lower	Upper
108	100		
106	0.0	84.7	127.1#
79	211.9	17.4	26.2#



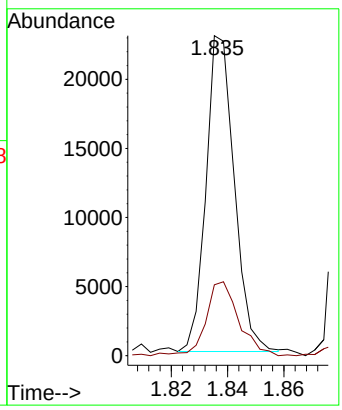


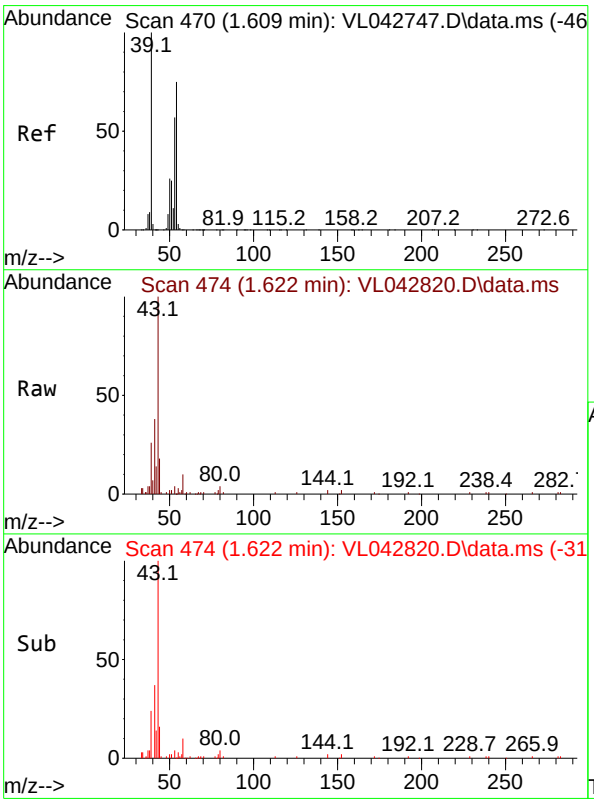
#15
Acetone
Concen: 0.811 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 43 Resp: 15940

Ion	Ratio	Lower	Upper
43	100		
58	27.3	19.8	29.8

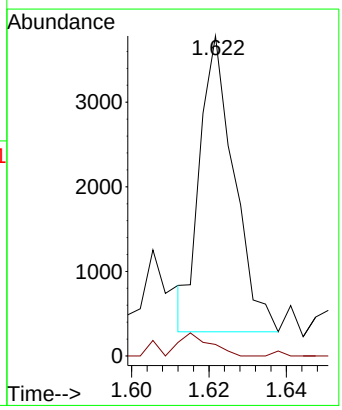


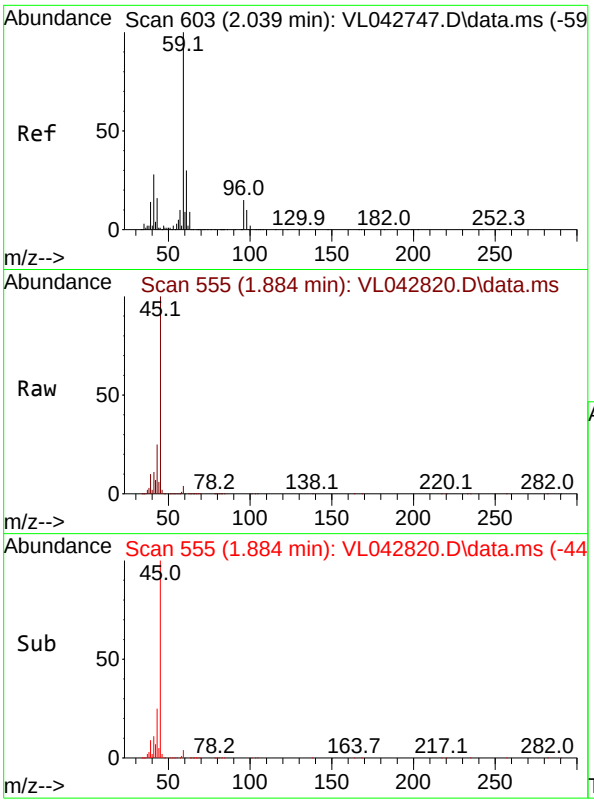


#16
1,3-Butadiene
Concen: 0.256 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.013 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 39 Resp: 2145

Ion	Ratio	Lower	Upper
39	100		
54	11.5	54.5	81.7#



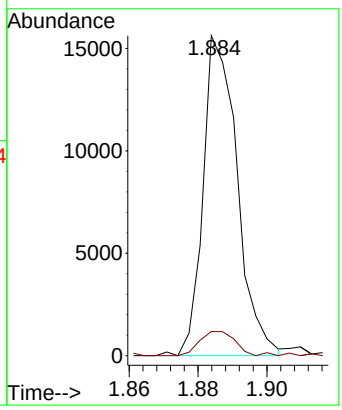


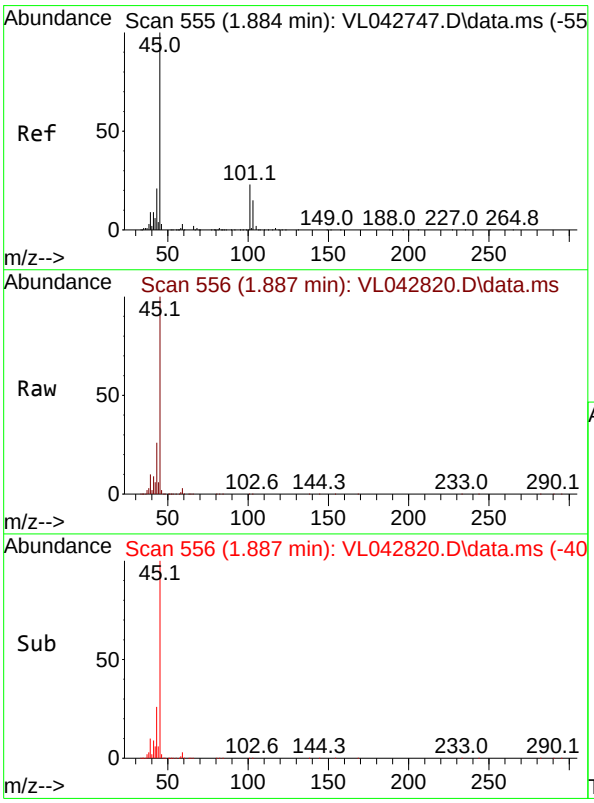
#17
tert-Butyl alcohol
Concen: 0.604 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.156 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 59 Resp: 10707

Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.3	12.5

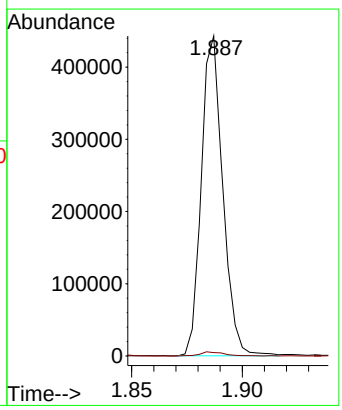


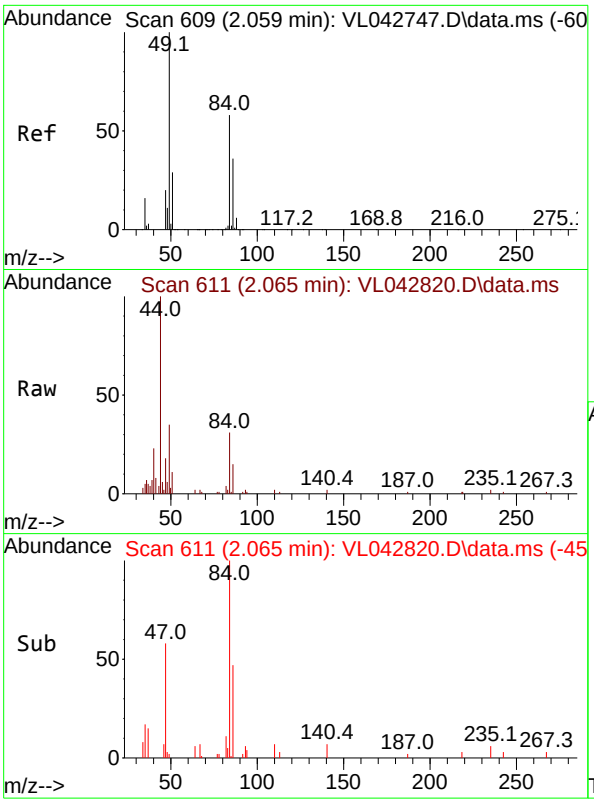


#19
Isopropyl Alcohol
Concen: 28.576 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 45 Resp: 298627

Ion	Ratio	Lower	Upper
45	100		
58	1.5	30.0	45.0#



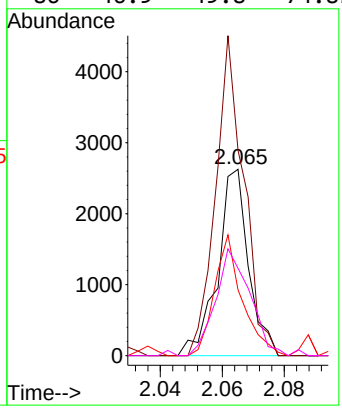


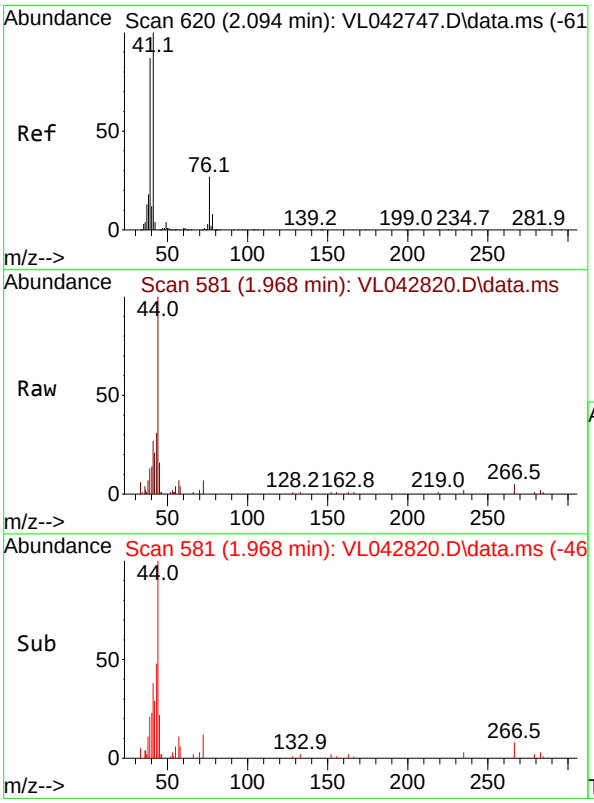
#20
Methylene Chloride
Concen: 0.293 ppbv
RT: 2.065 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 84 Resp: 1818

Ion	Ratio	Lower	Upper
84	100		
49	110.0	138.6	208.0#
51	35.3	40.6	61.0#
86	46.9	49.8	74.8#

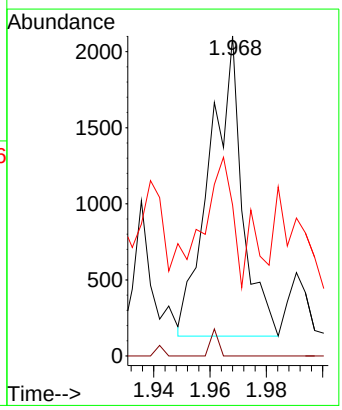


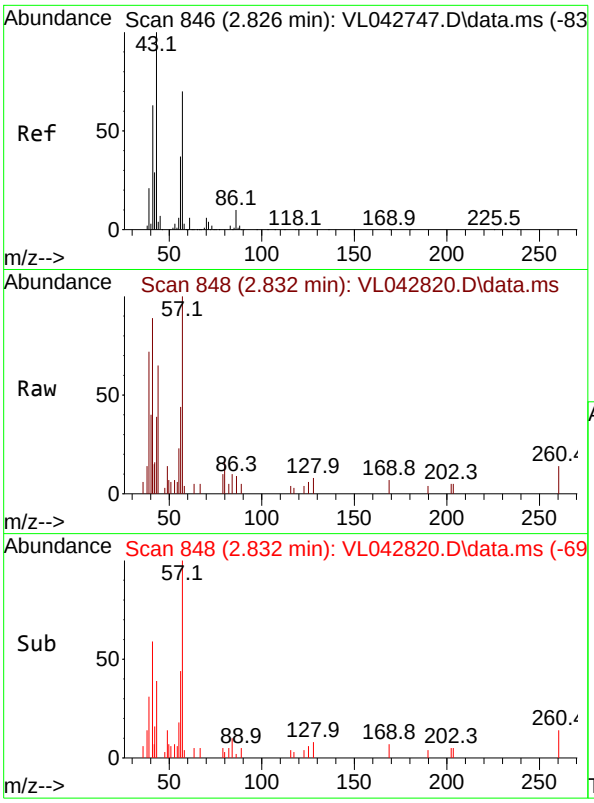


#21
Allyl Chloride
Concen: 0.131 ppbv
RT: 1.968 min Scan# 581
Delta R.T. -0.126 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 41 Resp: 1586

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.1	31.7#
39	111.9	68.3	102.5#



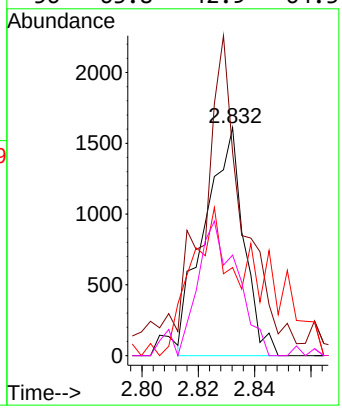


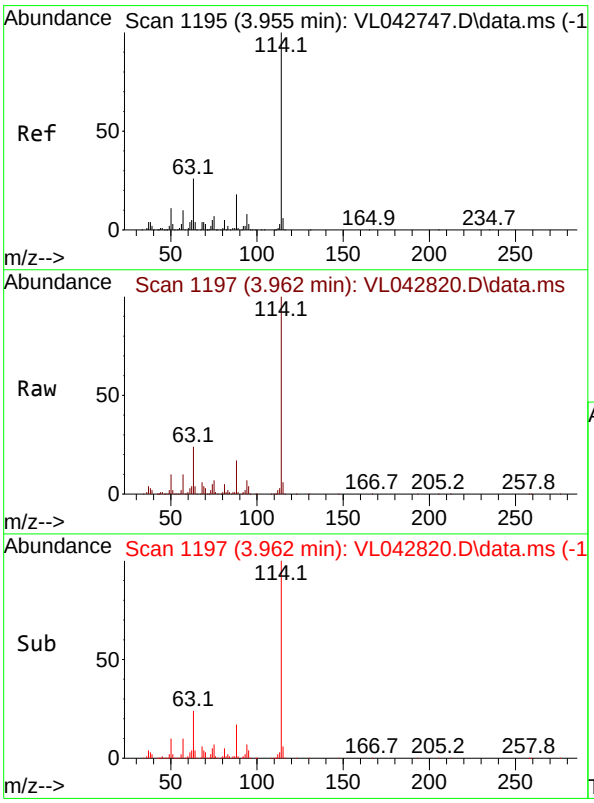
#26
Hexane
Concen: 0.082 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 57 Resp: 1562

Ion	Ratio	Lower	Upper
57	100		
41	172.3	75.4	113.2#
43	126.2	185.0	277.6#
56	63.8	42.9	64.3

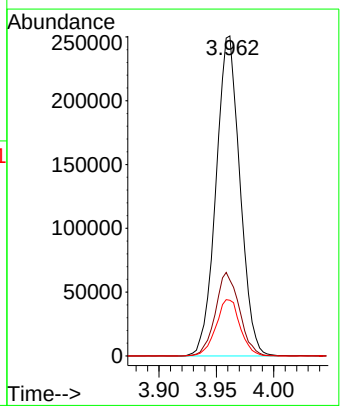


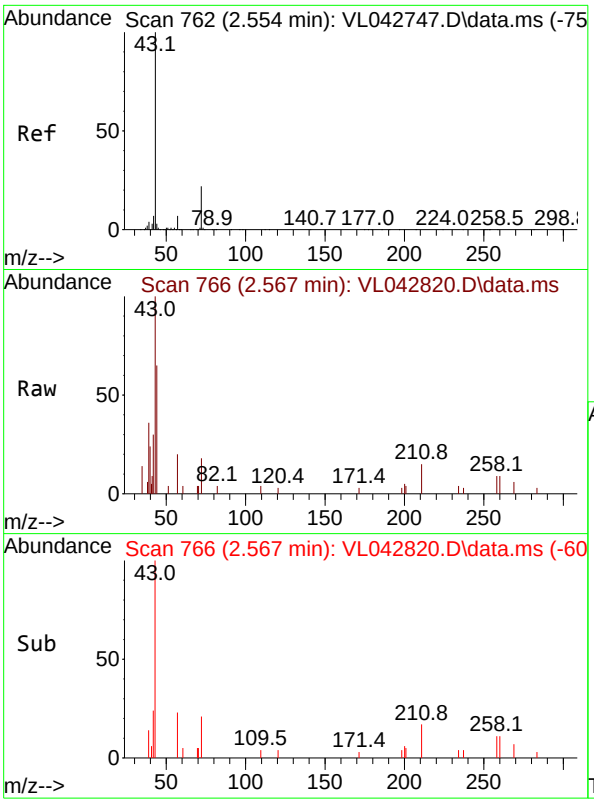


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion:114 Resp: 363823

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.5	30.7
88	17.8	14.0	21.0



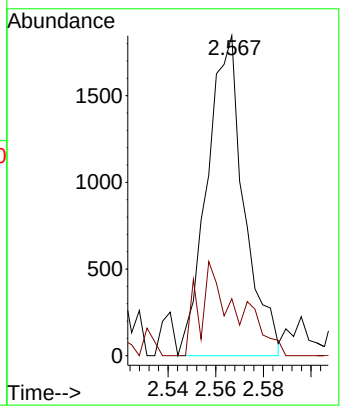


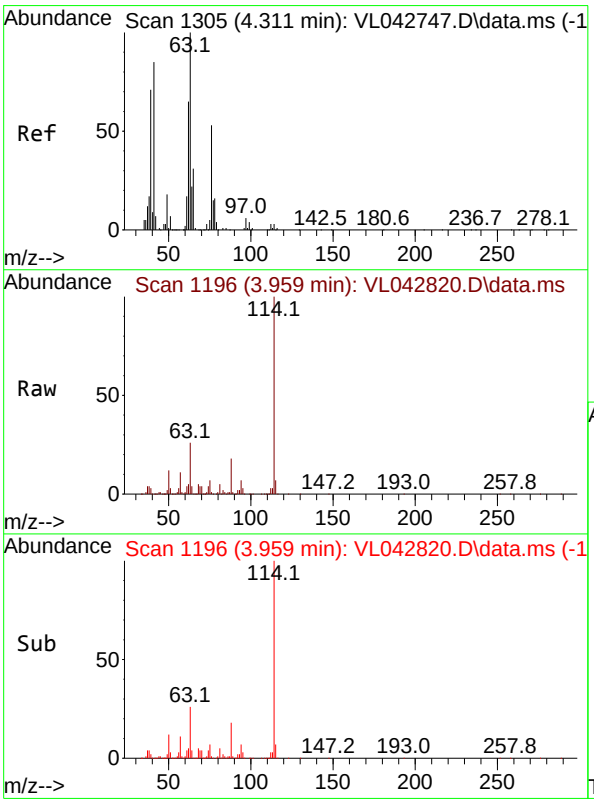
#34
2-Butanone
Concen: 0.077 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion: 43 Resp: 1985

Ion	Ratio	Lower	Upper
43	100		
72	30.5	17.4	26.0#

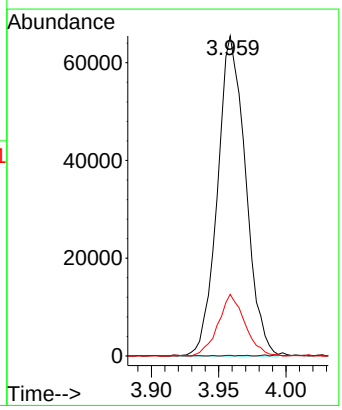


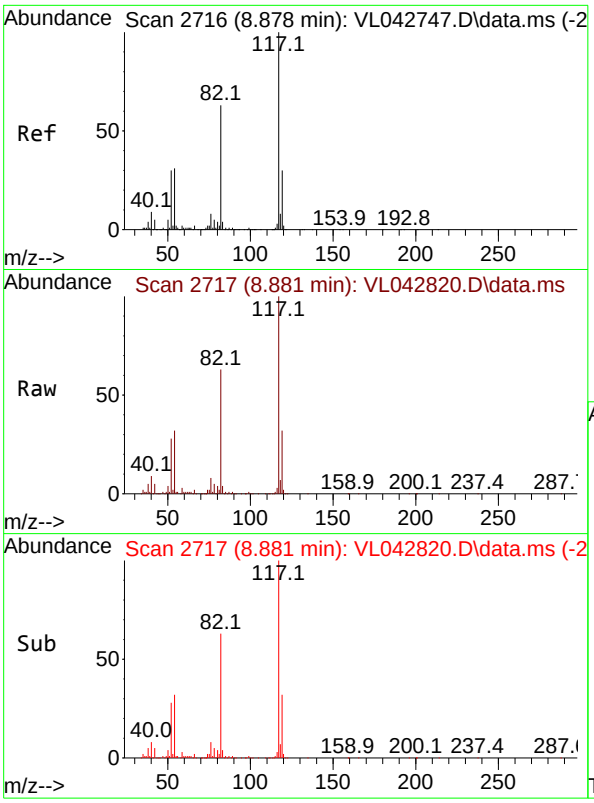


#39
1,2-Dichloropropane
Concen: 7.460 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 63 Resp: 94949

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.2	102.4#
62	19.2	52.0	78.0#



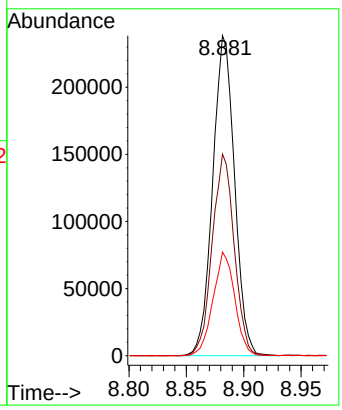


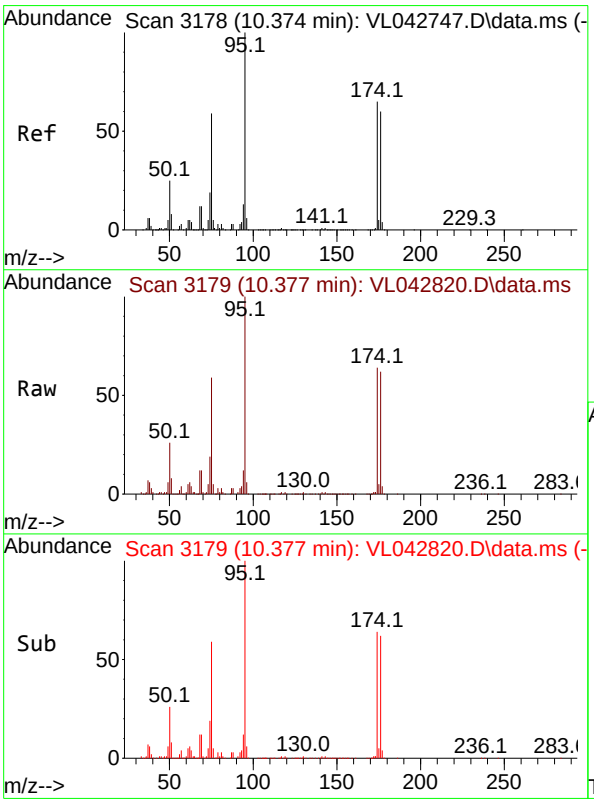
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion:117 Resp: 316195

Ion	Ratio	Lower	Upper
117	100		
82	63.3	53.3	79.9
119	32.3	25.8	38.6

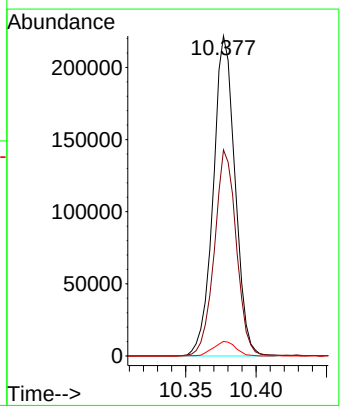


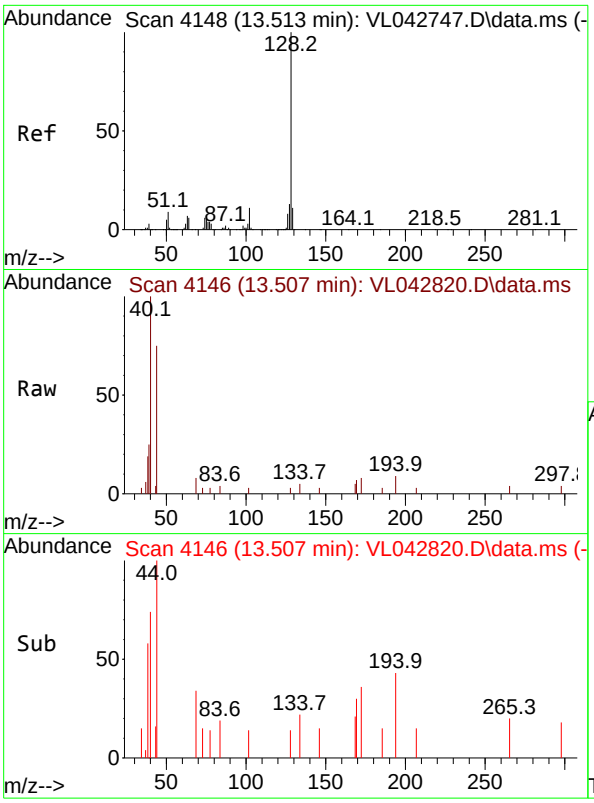


#68
1-Bromo-4-Fluorobenzene
Concen: 9.568 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion: 95 Resp: 239599

Ion	Ratio	Lower	Upper
95	100		
174	64.9	53.8	80.6
175	4.7	4.0	6.0



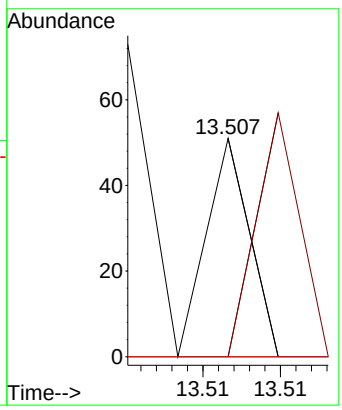


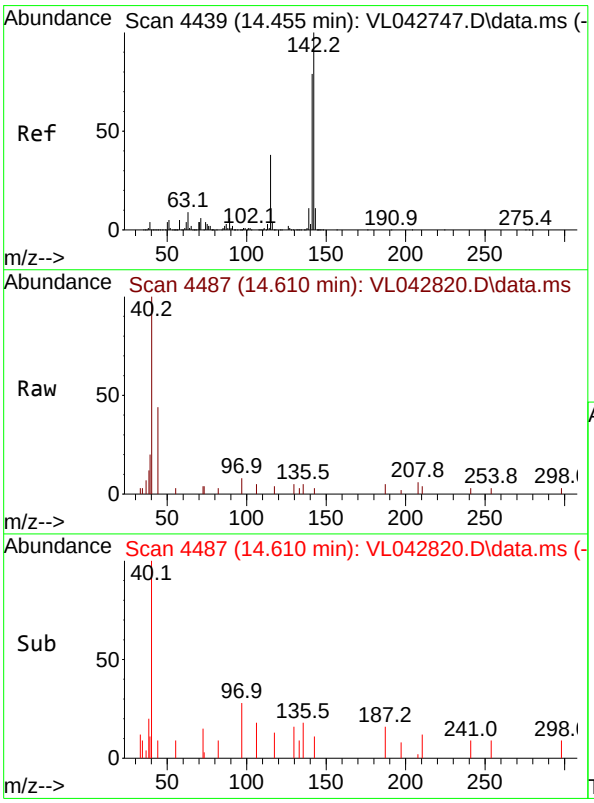
#79
Naphthalene
Concen: 0.435 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion:128 Resp: 10

Ion	Ratio	Lower	Upper
128	100		
127	100.0	10.5	15.7#
129	0.0	8.6	13.0#

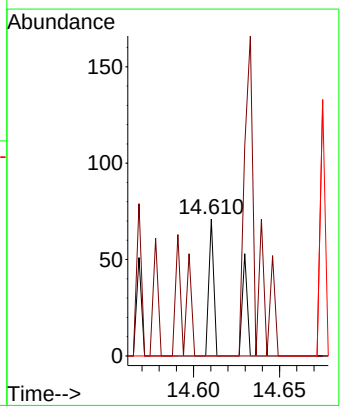


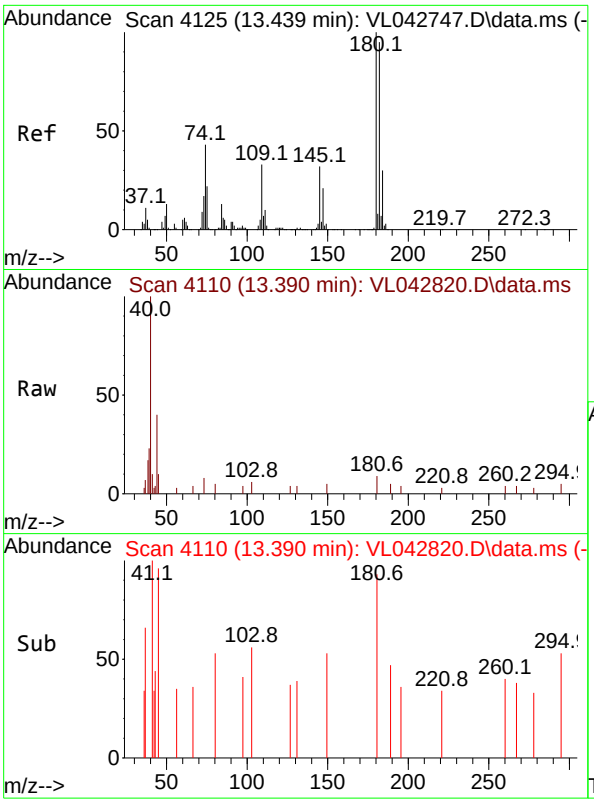


#80
Naphthalene,2-methyl-
Concen: 1.129 ppbv
RT: 14.610 min Scan# 4487
Delta R.T. 0.155 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Tgt Ion:142 Resp: 24

Ion	Ratio	Lower	Upper
142	100		
141	141.7	65.8	98.8#
115	0.0	31.2	46.8#





#81
1,2,4-Trichlorobenzene
Concen: 0.437 ppbv
RT: 13.390 min Scan# 4
Delta R.T. -0.049 min
Lab File: VL042820.D
Acq: 04 Aug 2025 23:38

Instrument :
MSVOA_L
ClientSampleId :
WONDER IA-10DL

Tgt Ion:180 Resp: 55

Ion	Ratio	Lower	Upper
180	100		
182	116.4	76.2	114.2#
184	89.1	24.8	37.2#