Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042874.D
Acq On : 21 Aug 2025 20:13
Operator : SY/MD
Sample : Q2898-03 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 22 01:28:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	129498	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	383631	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	315784	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	239081	10.095	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1101	0.058	ppbv #	85
4) Chloromethane	1.531	50	919	0.120	ppbv	99
6) Bromomethane	1.706	94	72	0.024	ppbv #	4
9) Propene	1.622	41	1415	0.156	ppbv	87
10) Heptane	4.988	43	503	0.021	ppbv #	26
11) Trichlorofluoromethane	1.881	101	501	0.027	ppbv #	62
13) Ethanol	1.431	45	321862	388.541	ppbv	86
15) Acetone	1.839	43	22011	1.285	ppbv	94
16) 1,3-Butadiene	1.622	39	924	0.119	ppbv #	48
17) tert-Butyl alcohol	2.049	59	924	0.045	ppbv #	40
19) Isopropyl Alcohol	1.431	45	321862	31.458	ppbv #	35
20) Methylene Chloride	2.065	84	1960	0.273	ppbv	87
23) Vinyl Acetate	2.476	43	3222	0.137	ppbv #	4
26) Hexane	2.829	57	2657	0.139	ppbv #	62
30) Cyclohexane	3.865	84	853	0.051	ppbv #	47
34) 2-Butanone	2.570	43	3176	0.123	ppbv #	82
36) Benzene	3.664	78	1710	0.047	ppbv #	89
39) 1,2-Dichloropropane	3.965	63	95000	7.081	ppbv #	26
40) 1,4-Dioxane	4.625	88	268	0.042	ppbv #	14
53) Toluene	6.952	91	1137	0.026	ppbv #	21

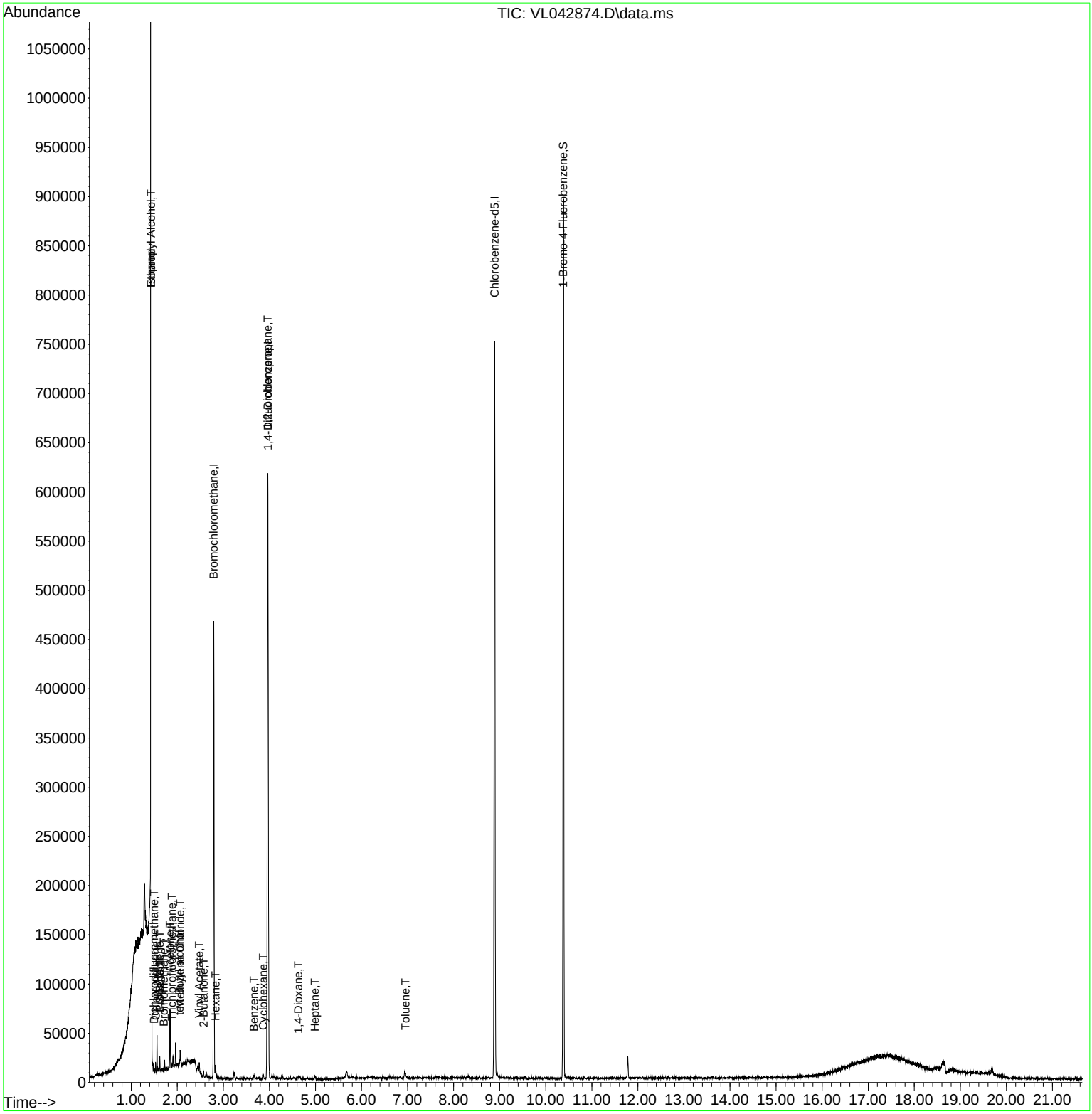
(#) = qualifier out of range (m) = manual integration (+) = signals summed

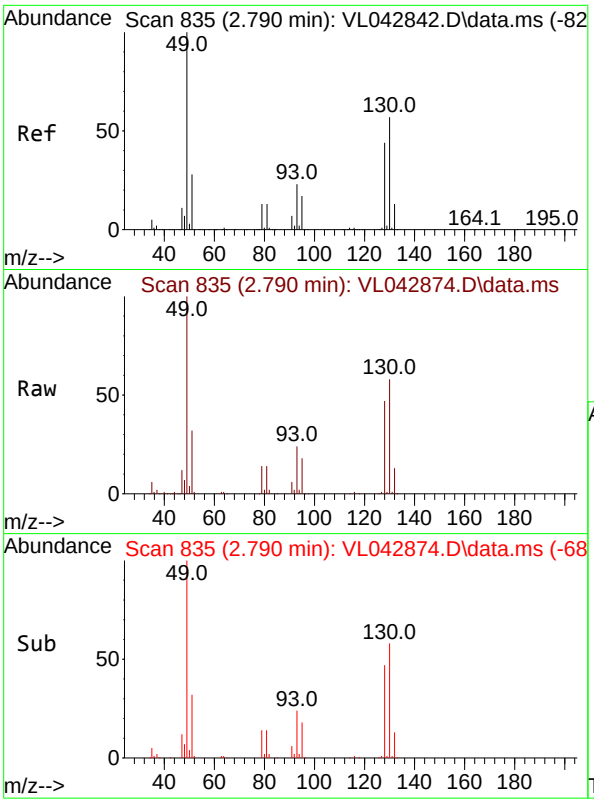
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
Data File : VL042874.D
Acq On : 21 Aug 2025 20:13
Operator : SY/MD
Sample : Q2898-03 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 22 01:28:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration



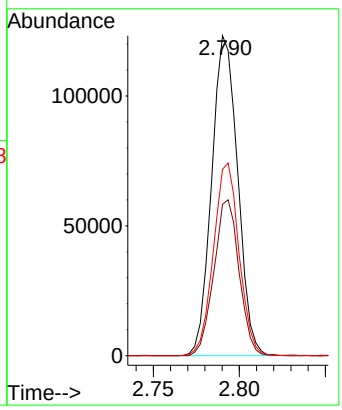


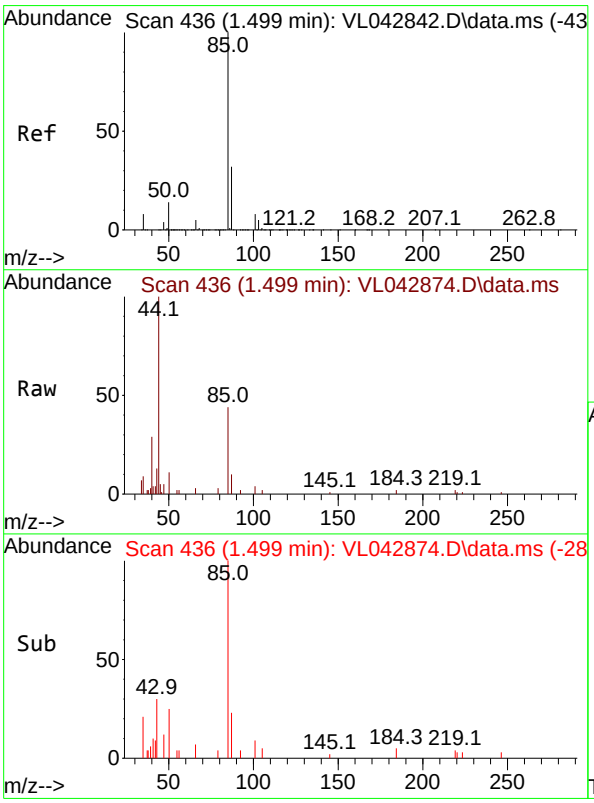
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 129498

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.7	71.1
130	59.3	30.6	91.6

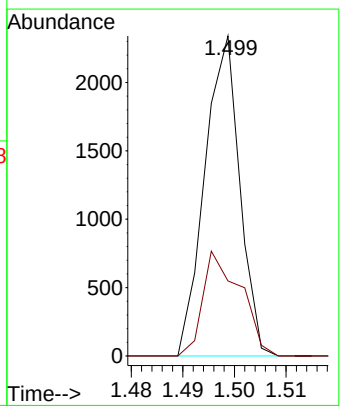


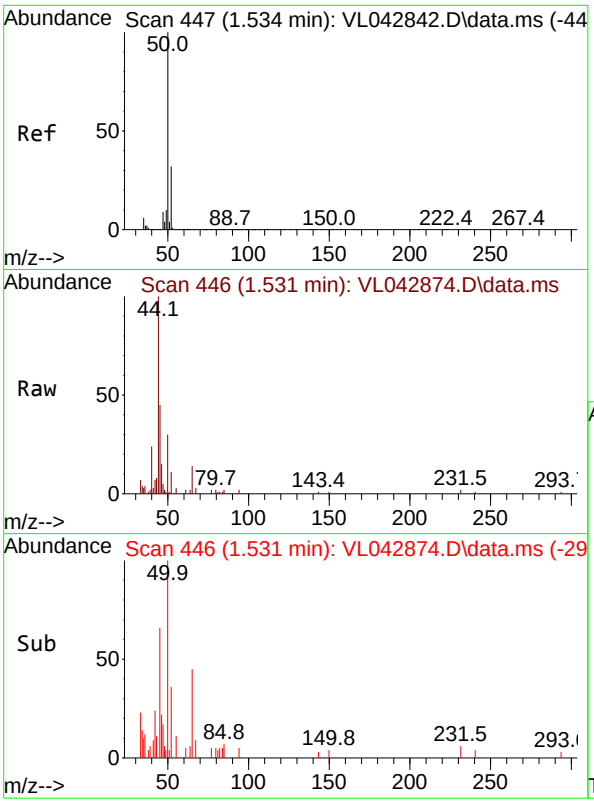


#2
Dichlorodifluoromethane
Concen: 0.058 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 85 Resp: 1101

Ion	Ratio	Lower	Upper
85	100		
87	23.5	25.3	37.9#



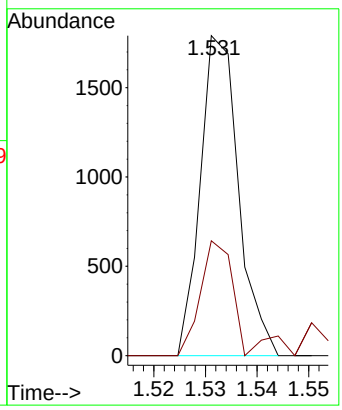


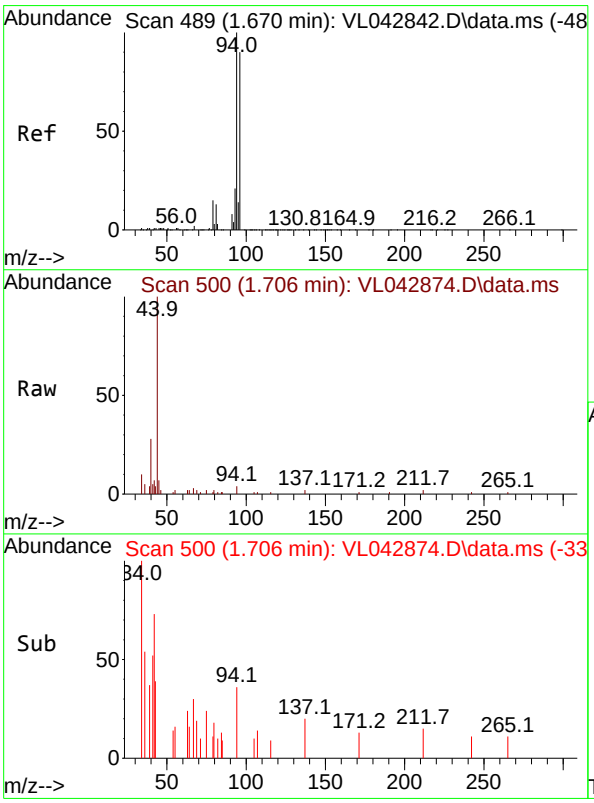
#4
Chloromethane
Concen: 0.120 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 50 Resp: 919

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.9	38.9

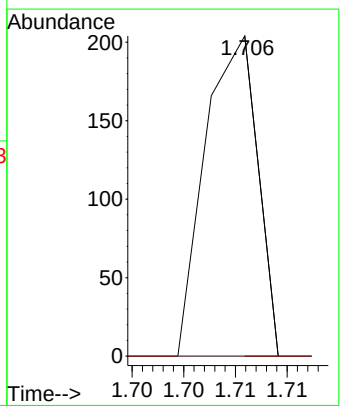


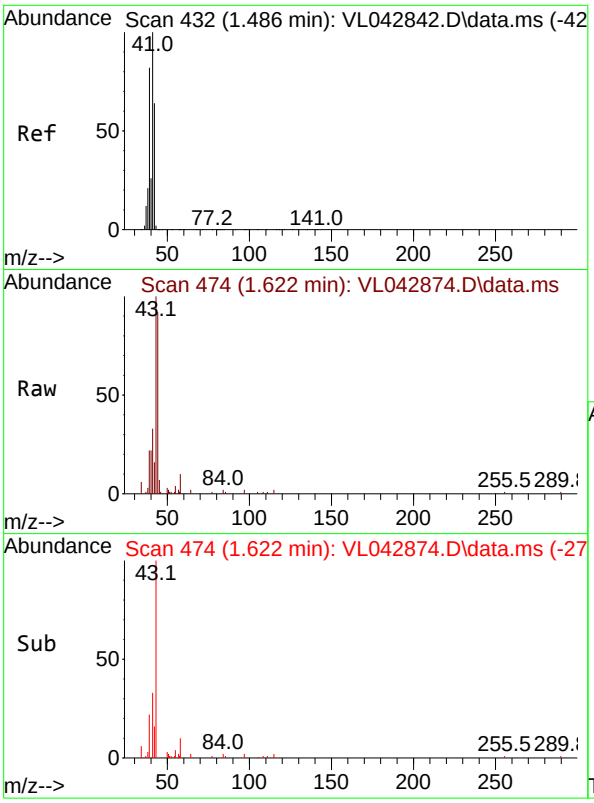


#6
Bromomethane
Concen: 0.024 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.035 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 94 Resp: 72

Ion	Ratio	Lower	Upper
94	100		
96	0.0	72.1	108.1#



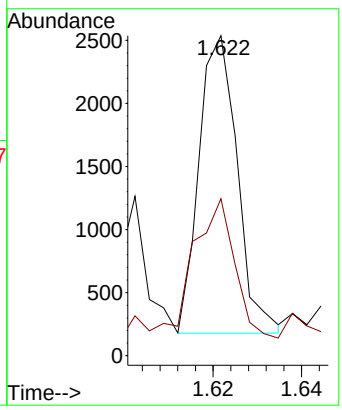


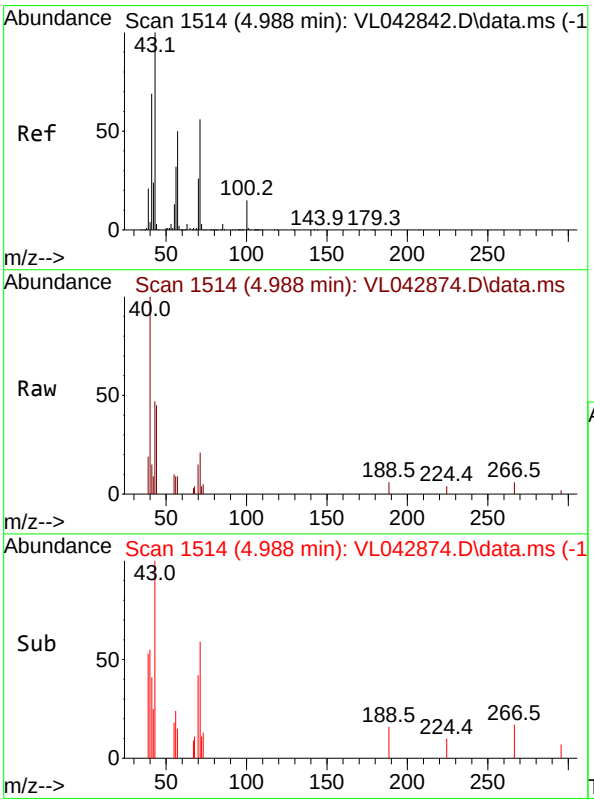
#9
Propene
Concen: 0.156 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.136 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 1415

Ion	Ratio	Lower	Upper
41	100		
42	76.5	53.0	79.4

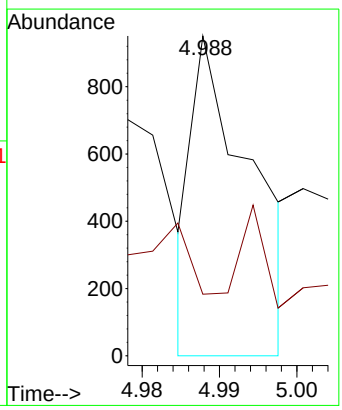


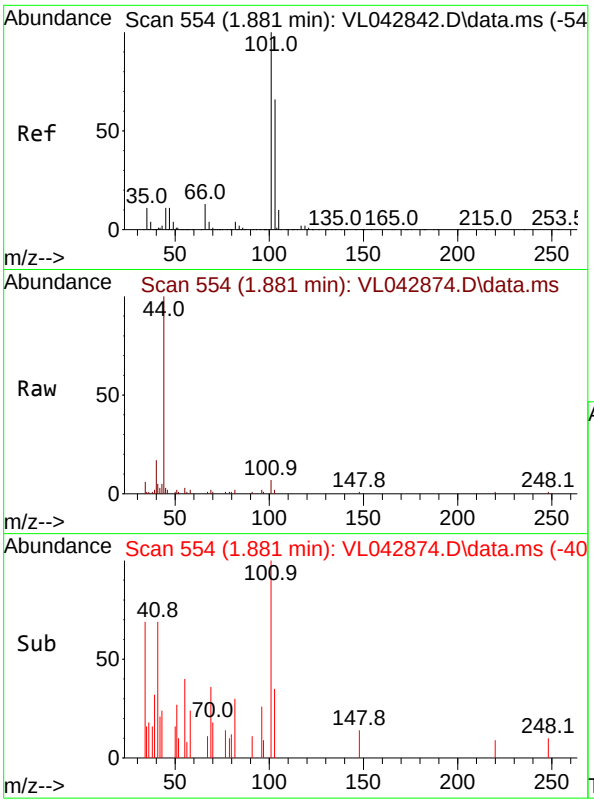


#10
Heptane
Concen: 0.021 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 43 Resp: 503

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.0#



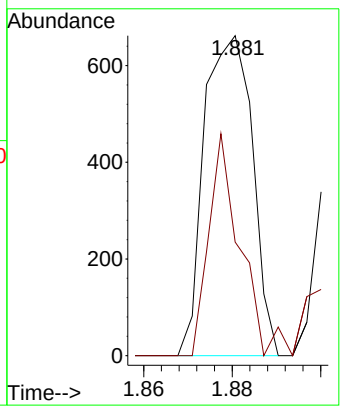


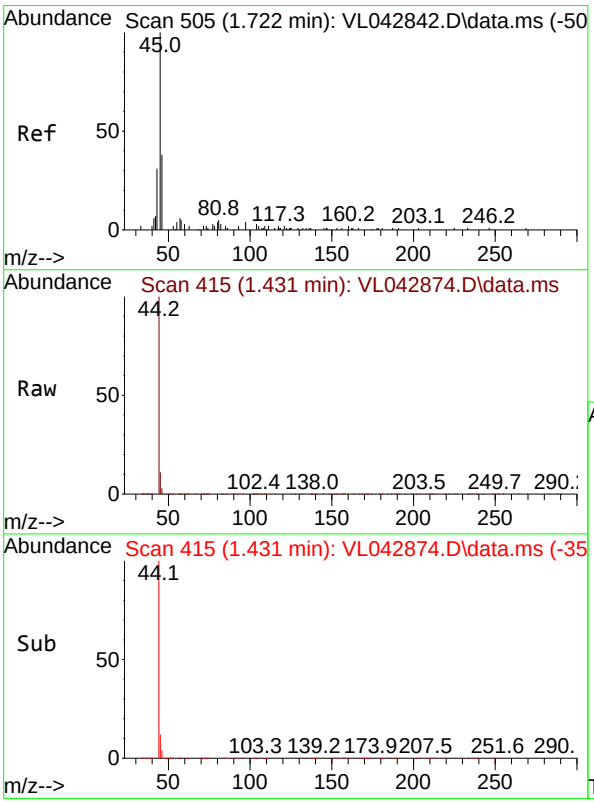
#11
Trichlorofluoromethane
Concen: 0.027 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 501

Ion	Ratio	Lower	Upper
101	100		
103	35.5	52.5	78.7#

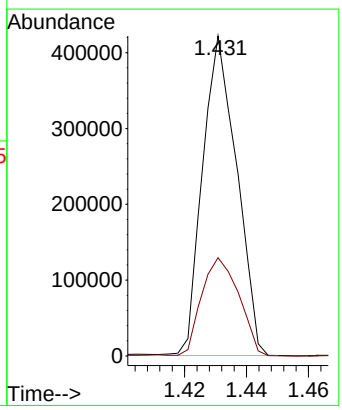


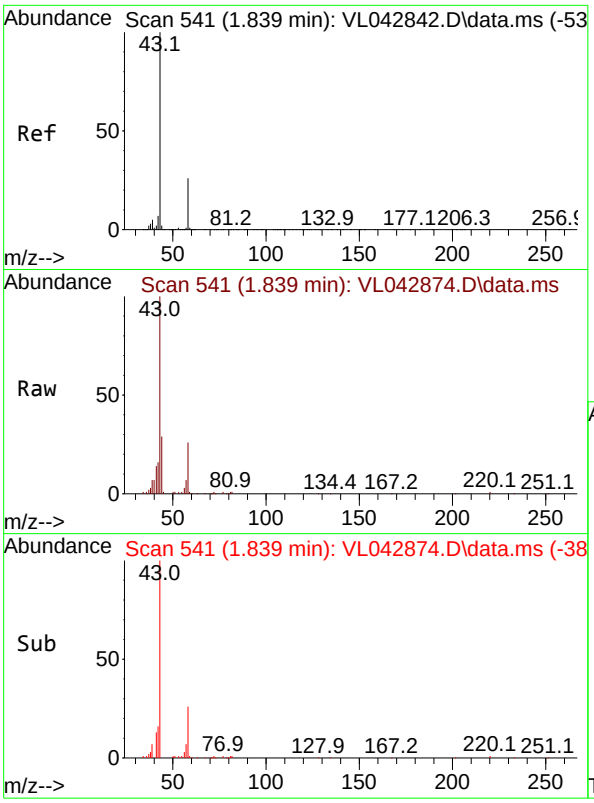


#13
Ethanol
Concen: 388.541 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.291 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 45 Resp: 321862

Ion	Ratio	Lower	Upper
45	100		
46	34.5	17.5	69.9



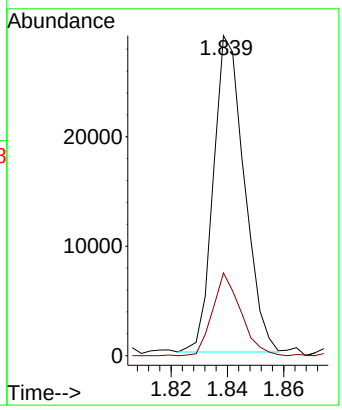


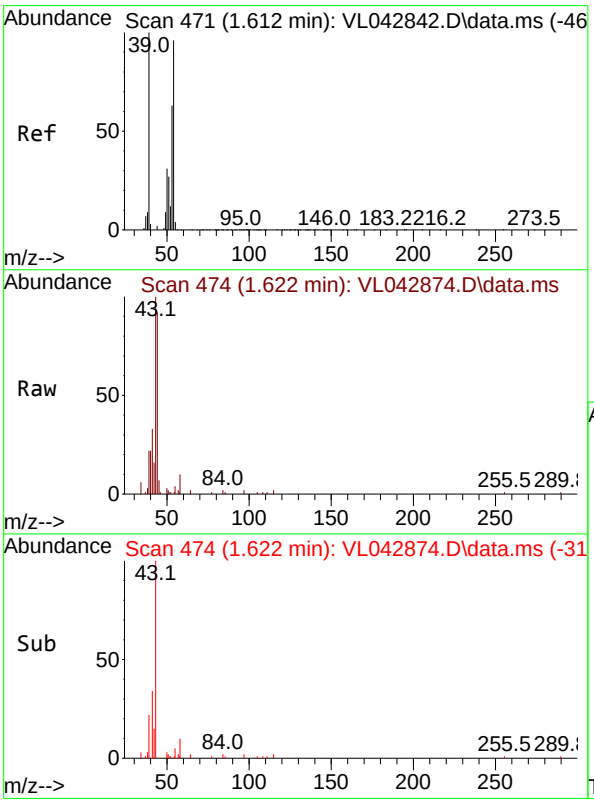
#15
Acetone
Concen: 1.285 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 22011

Ion	Ratio	Lower	Upper
43	100		
58	24.7	22.4	33.6

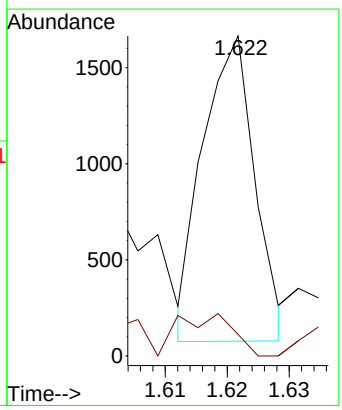


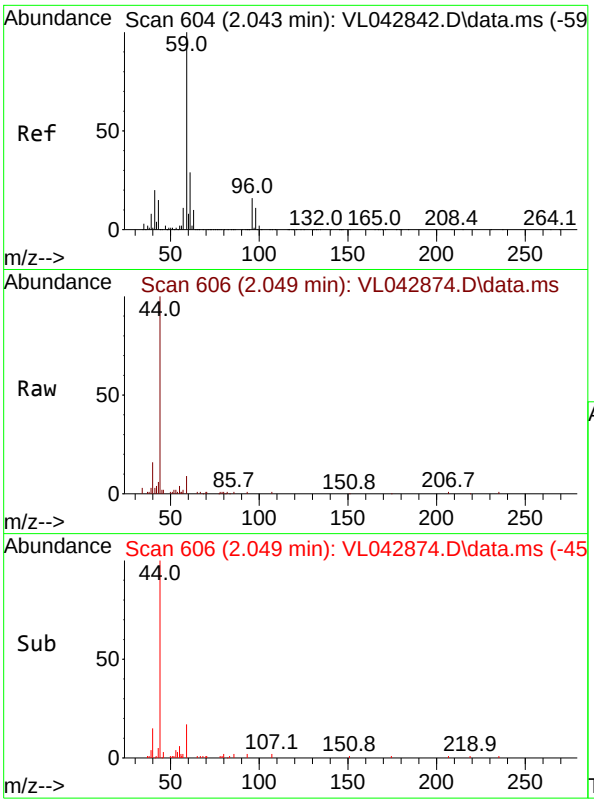


#16
1,3-Butadiene
Concen: 0.119 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.010 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 39 Resp: 924

Ion	Ratio	Lower	Upper
39	100		
54	33.7	63.6	95.4#



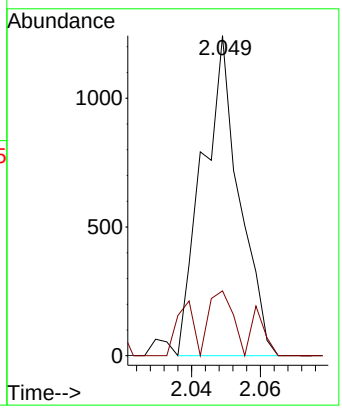


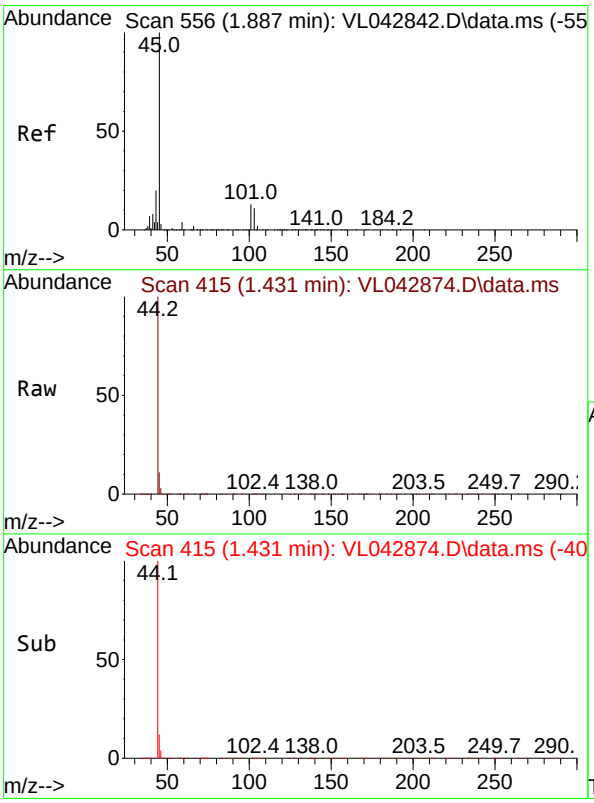
#17
tert-Butyl alcohol
Concen: 0.045 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 59 Resp: 924

Ion	Ratio	Lower	Upper
59	100		
57	34.1	9.0	13.4#

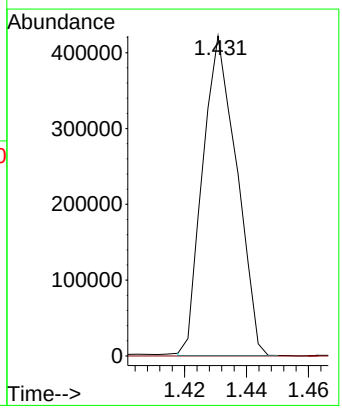


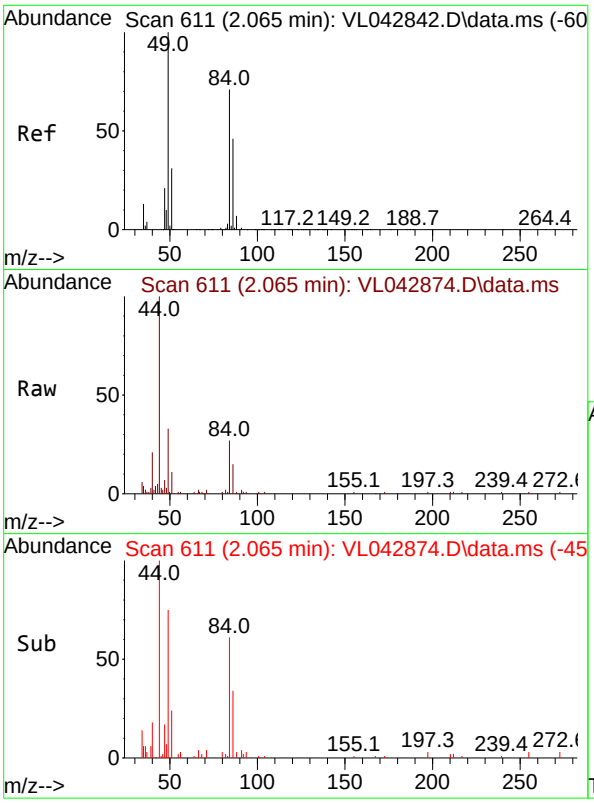


#19
Isopropyl Alcohol
Concen: 31.458 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.456 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 45 Resp: 321862

Ion	Ratio	Lower	Upper
45	100		
58	0.1	32.7	49.1#



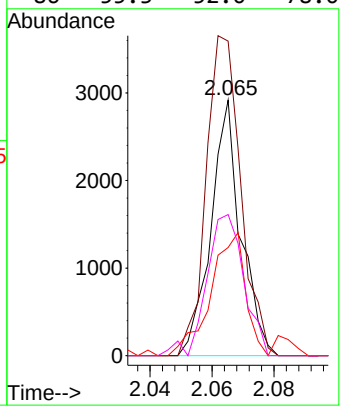


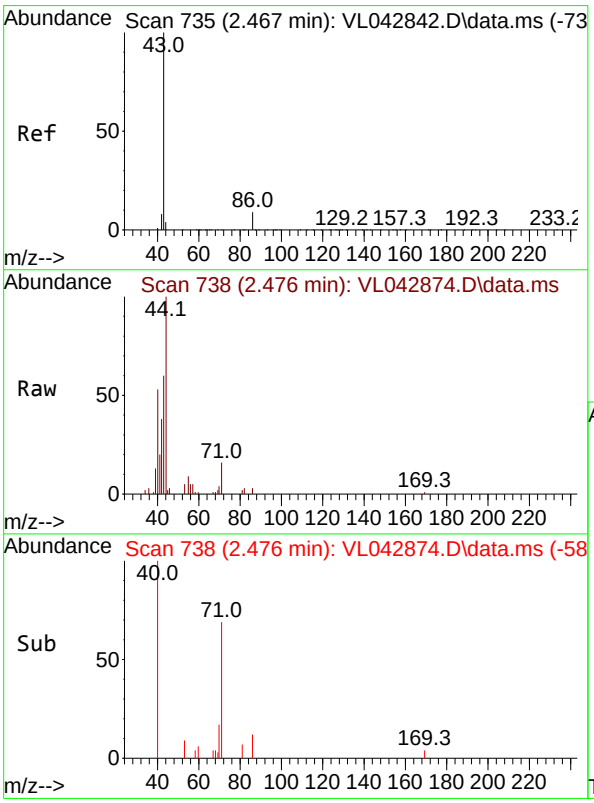
#20
Methylene Chloride
Concen: 0.273 ppbv
RT: 2.065 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 84 Resp: 1960

Ion	Ratio	Lower	Upper
84	100		
49	123.1	112.3	168.5
51	38.7	36.0	54.0
86	55.3	52.0	78.0

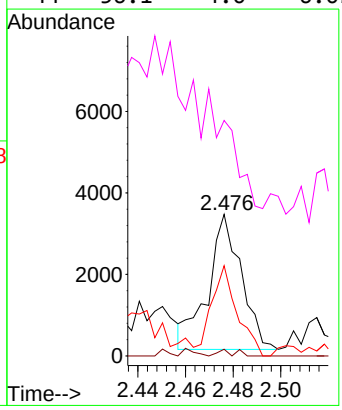


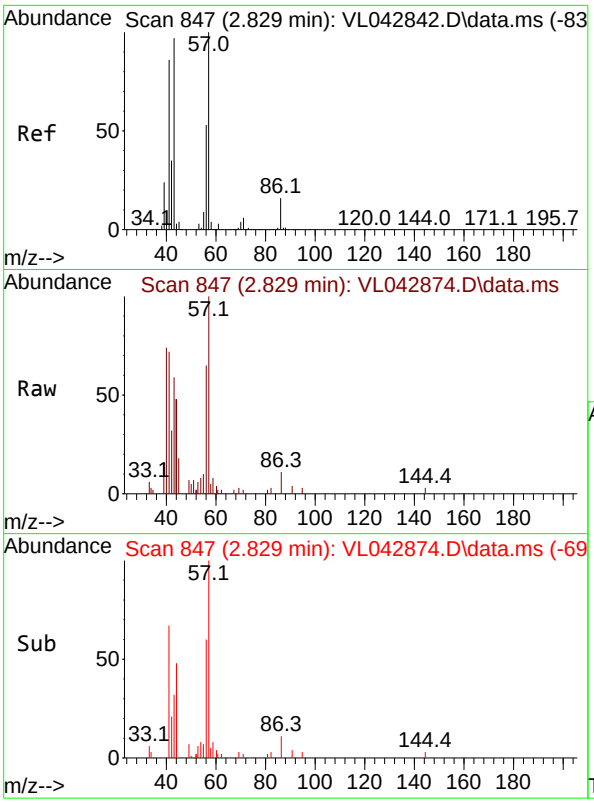


#23
Vinyl Acetate
Concen: 0.137 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.010 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 43 Resp: 3222

Ion	Ratio	Lower	Upper
43	100		
86	4.9	6.6	9.8#
42	60.9	7.0	10.6#
44	56.1	4.0	6.0#



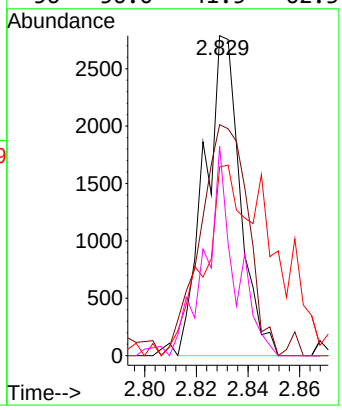


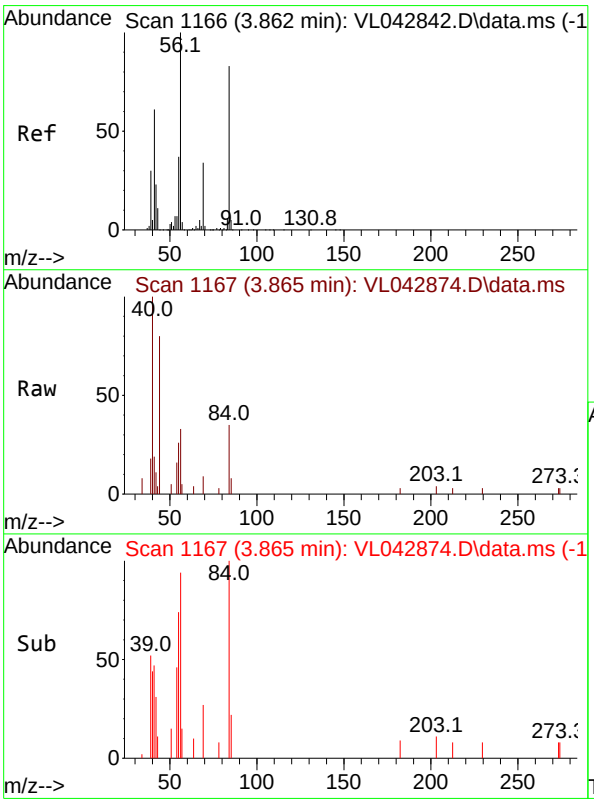
#26
Hexane
Concen: 0.139 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 2657

Ion	Ratio	Lower	Upper
57	100		
41	103.4	68.6	103.0#
43	125.6	168.5	252.7#
56	56.0	41.5	62.3

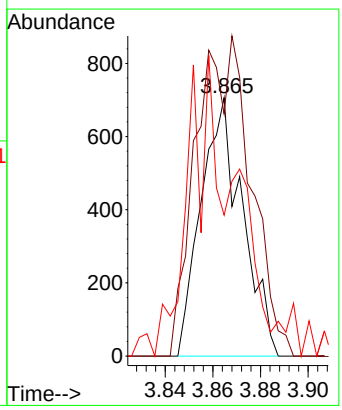


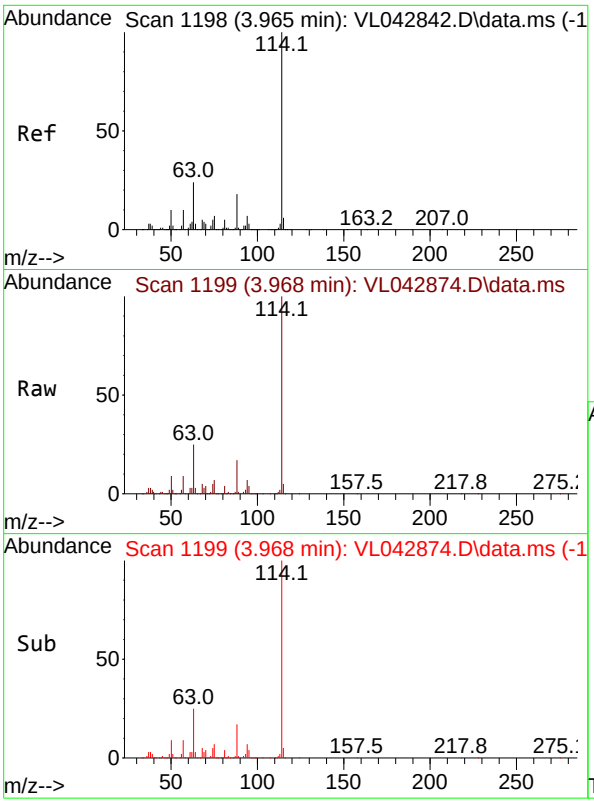


#30
Cyclohexane
Concen: 0.051 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 84 Resp: 853

Ion	Ratio	Lower	Upper
84	100		
56	163.3	98.8	148.2#
41	146.2	61.3	91.9#



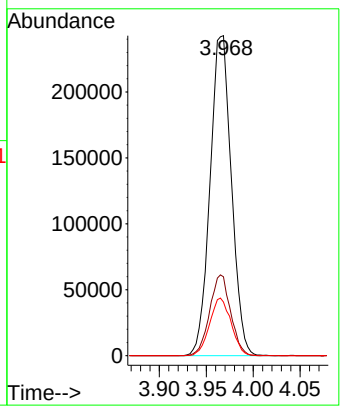


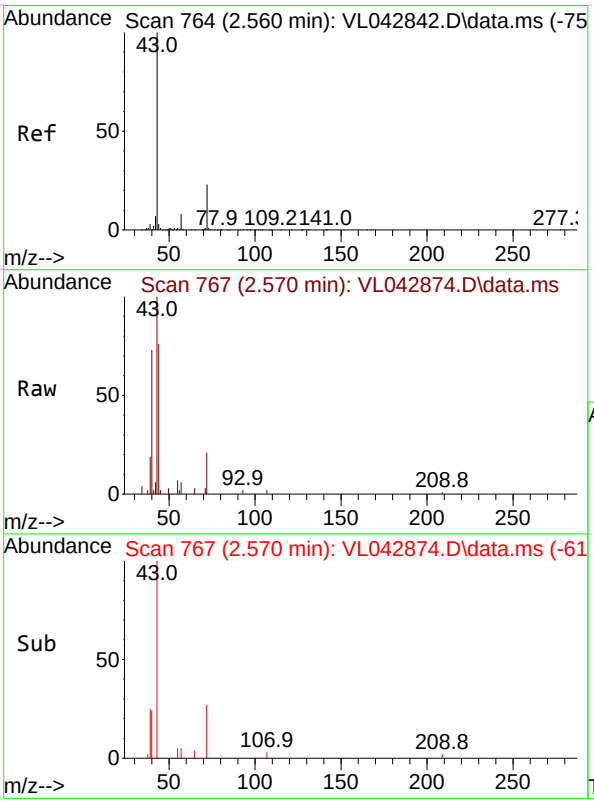
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 383631

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.7	29.5
88	18.1	14.4	21.6

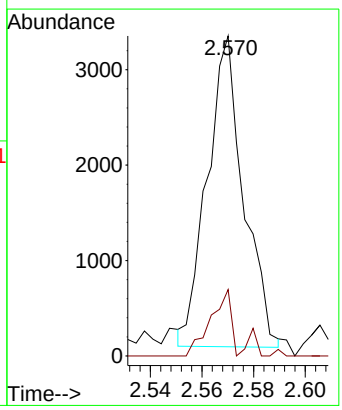


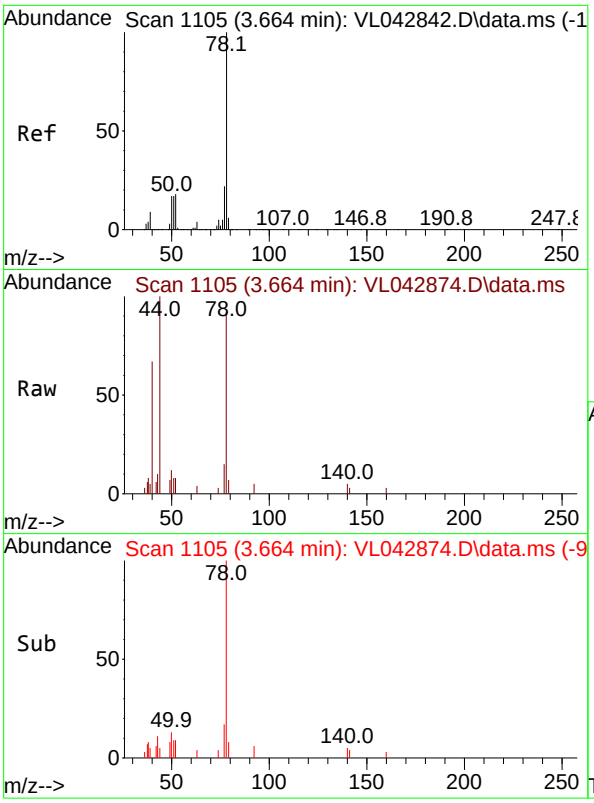


#34
2-Butanone
Concen: 0.123 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.010 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 43 Resp: 3176

Ion	Ratio	Lower	Upper
43	100		
72	14.7	18.6	28.0#



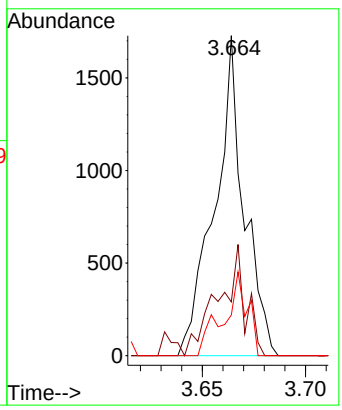


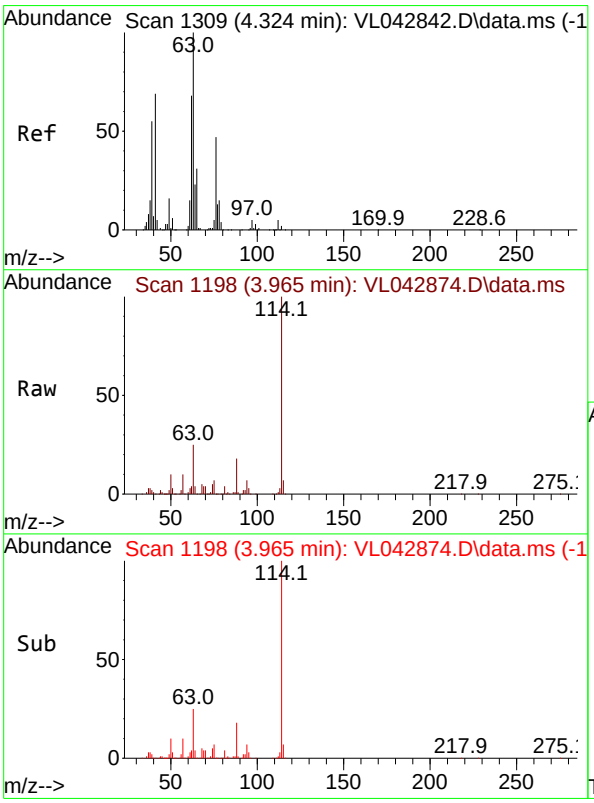
#36
Benzene
Concen: 0.047 ppbv
RT: 3.664 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 78 Resp: 1710

Ion	Ratio	Lower	Upper
78	100		
77	16.8	17.7	26.5#
50	12.7	13.9	20.9#

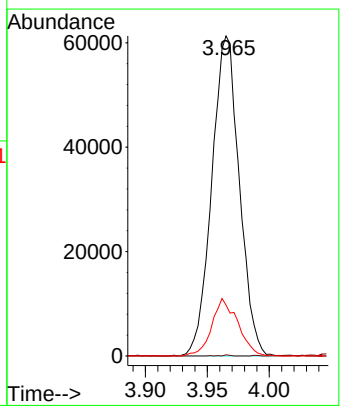


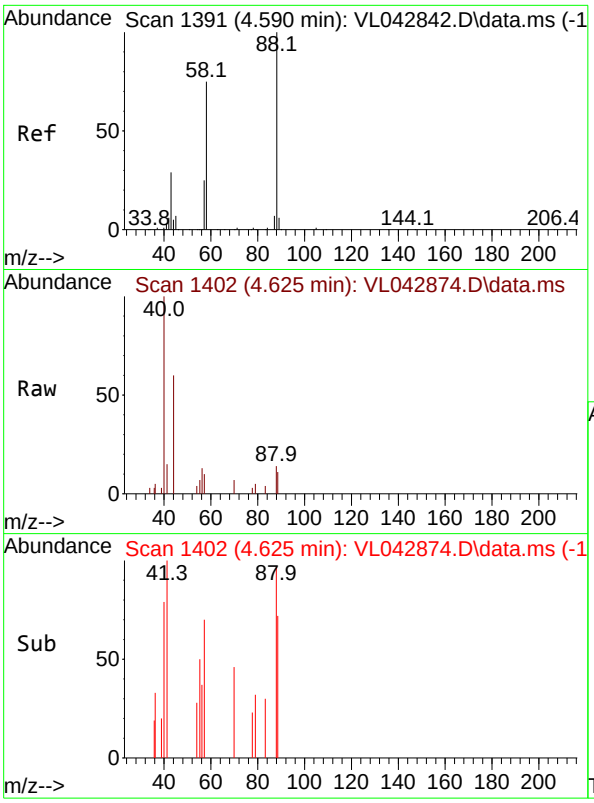


#39
1,2-Dichloropropane
Concen: 7.081 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.359 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 63 Resp: 95000

Ion	Ratio	Lower	Upper
63	100		
41	0.3	55.0	82.4#
62	15.9	54.4	81.6#



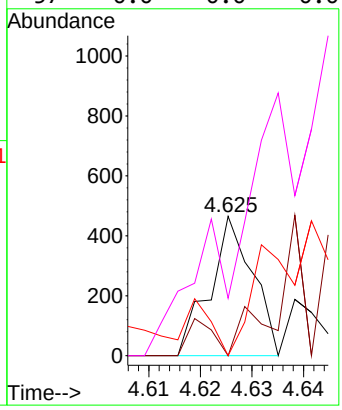


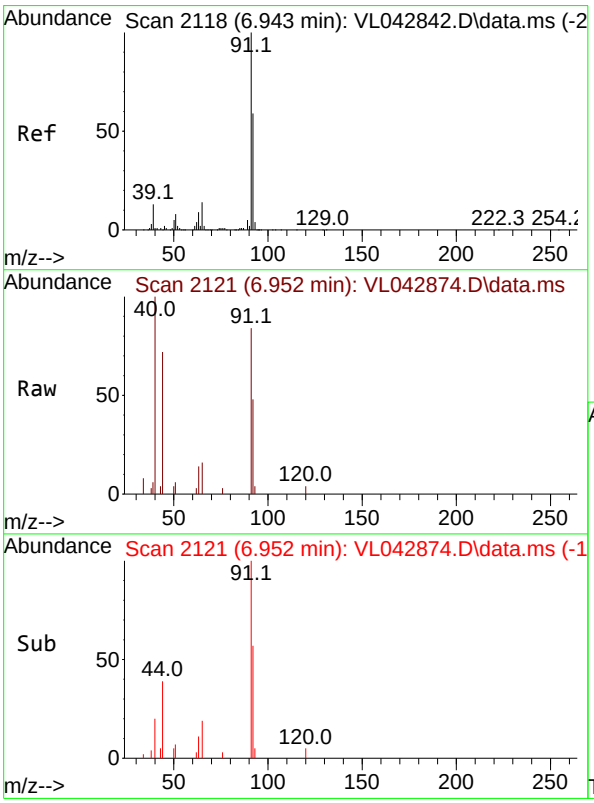
#40
1,4-Dioxane
Concen: 0.042 ppbv
RT: 4.625 min Scan# 14
Delta R.T. 0.036 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 88 Resp: 268

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.8	80.6#
43	76.5	22.8	34.2#
57	0.0	0.0	0.0

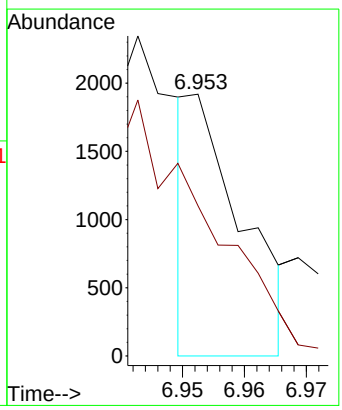


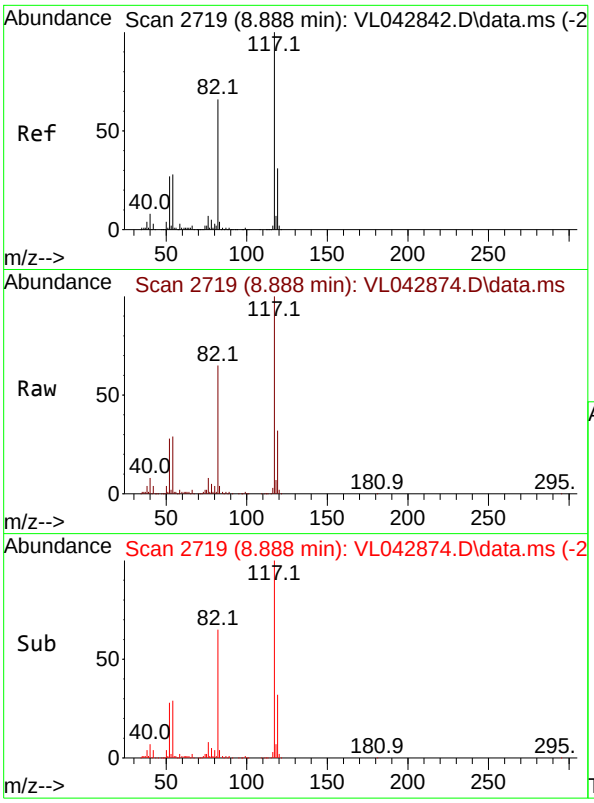


#53
Toluene
Concen: 0.026 ppbv
RT: 6.952 min Scan# 2121
Delta R.T. 0.010 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 91 Resp: 1137

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.8	71.6#



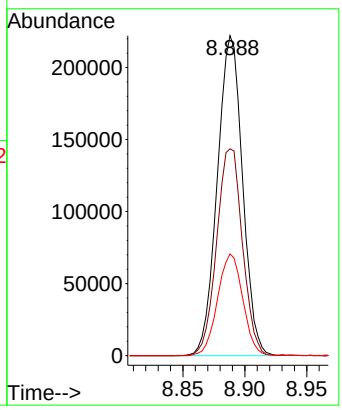


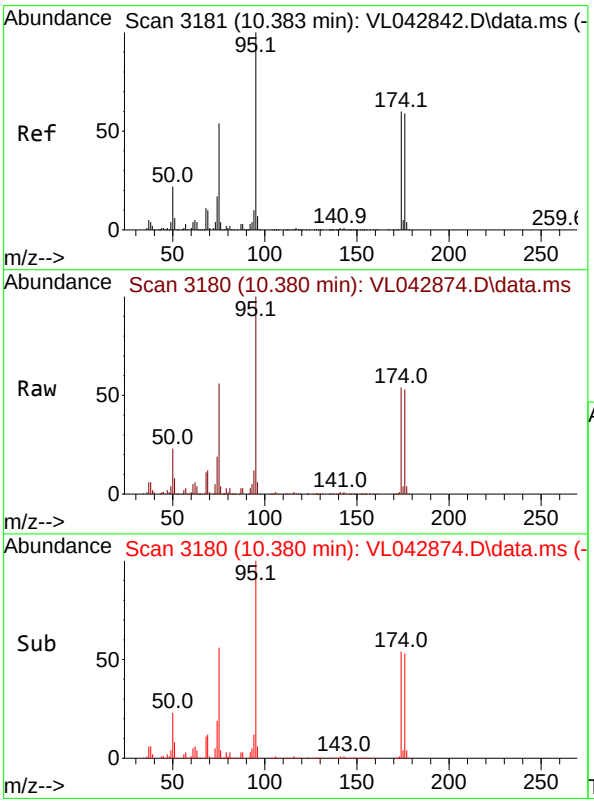
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 315784

Ion	Ratio	Lower	Upper
117	100		
82	66.2	54.6	81.8
119	31.8	25.9	38.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.095 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL042874.D
Acq: 21 Aug 2025 20:13

Tgt Ion: 95 Resp: 239081

Ion	Ratio	Lower	Upper
95	100		
174	56.0	48.4	72.6
175	4.1	3.8	5.8