Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042735.D
Acq On : 22 Jul 2025 17:42
Operator : SY/MD
Sample : Q2617-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Jul 23 03:03:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	107252	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	308118	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	275966	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	226230	10.143	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.400%			
Target Compounds						Qvalue
7) Chloroethane	1.738	64	79	0.031	ppbv #	42
9) Propene	1.486	41	706	0.105	ppbv #	1
13) Ethanol	1.440	45	94380	83.507	ppbv #	1
15) Acetone	1.839	43	14369	0.800	ppbv	99
16) 1,3-Butadiene	1.612	39	378	0.049	ppbv #	16
19) Isopropyl Alcohol	1.440	45	94380	9.917	ppbv #	37
20) Methylene Chloride	2.065	84	1526	0.270	ppbv #	67
21) Allyl Chloride	2.097	41	391	0.034	ppbv #	1
25) Ethyl Acetate	2.829	43	2717	0.082	ppbv #	77
26) Hexane	2.829	57	2820	0.194	ppbv #	57
27) Carbon Disulfide	2.156	76	516	0.033	ppbv #	1
34) 2-Butanone	2.564	43	2485	0.117	ppbv	96
39) 1,2-Dichloropropane	3.959	63	83895	7.871	ppbv #	20
53) Toluene	6.939	91	2511	0.078	ppbv #	20
74) 1,2,4-Trimethylbenzene	11.536	105	1212	0.030	ppbv #	60

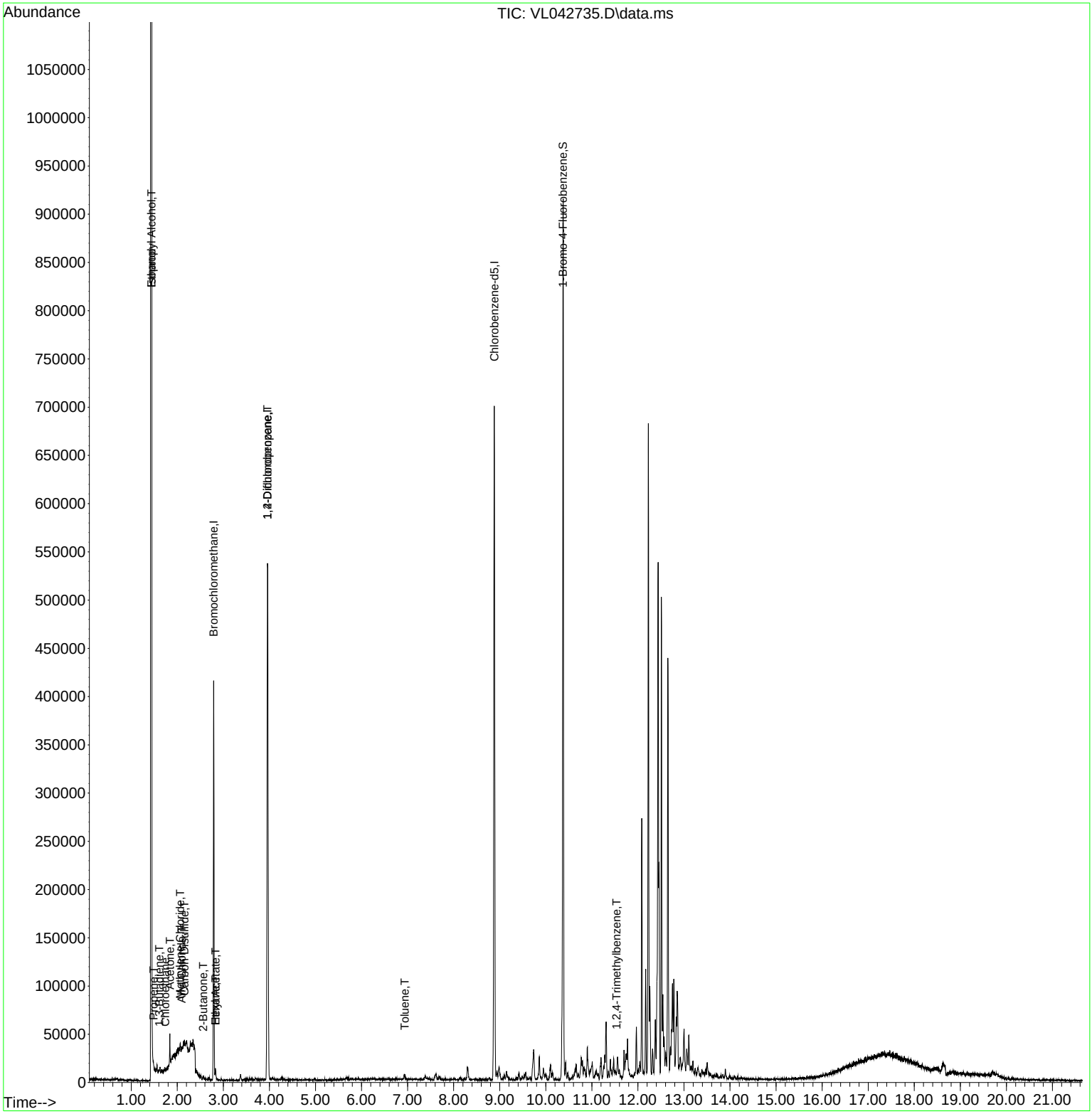
(#) = qualifier out of range (m) = manual integration (+) = signals summed

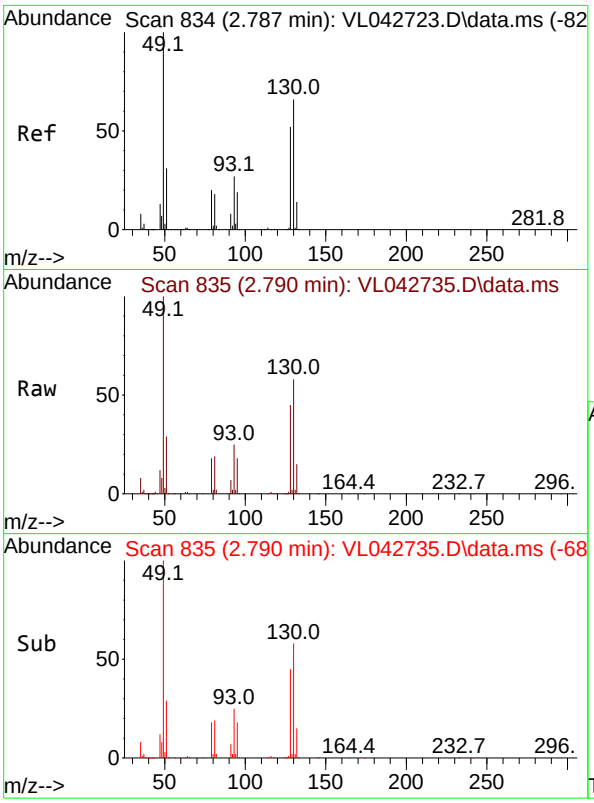
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042735.D
Acq On : 22 Jul 2025 17:42
Operator : SY/MD
Sample : Q2617-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Jul 23 03:03:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration



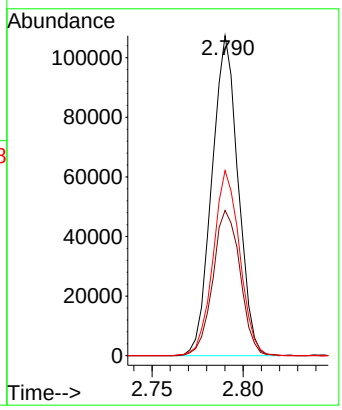


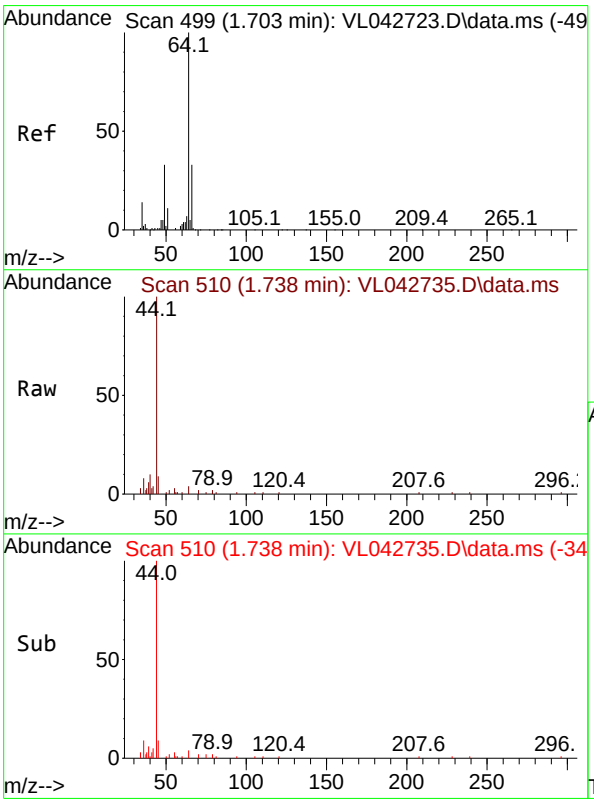
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 107252

Ion	Ratio	Lower	Upper
49	100		
128	47.3	24.5	73.5
130	58.8	31.7	95.1

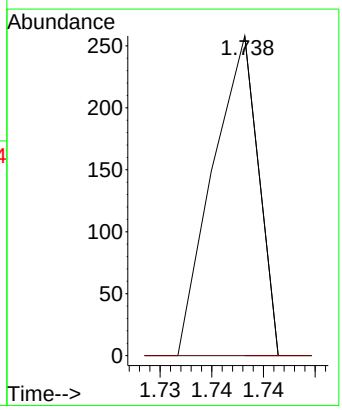


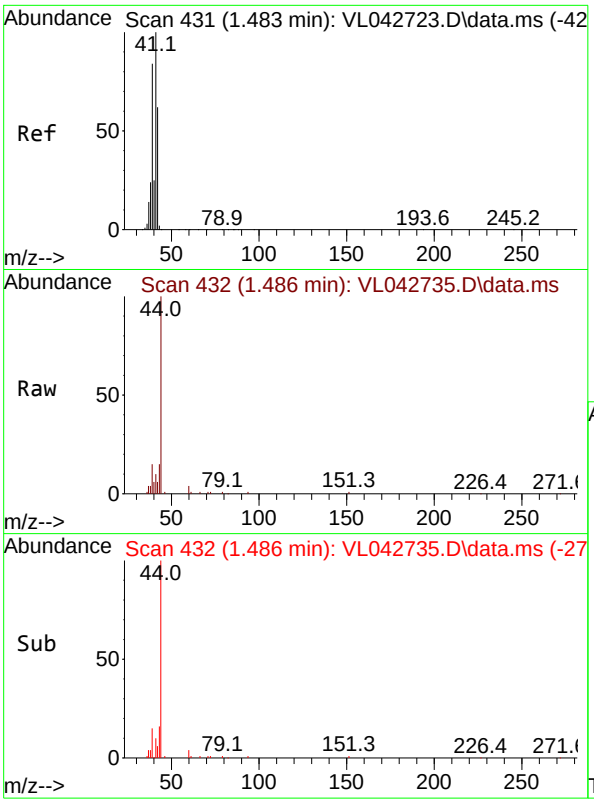


#7
Chloroethane
Concen: 0.031 ppbv
RT: 1.738 min Scan# 510
Delta R.T. 0.036 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 64 Resp: 79

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.4	39.6#



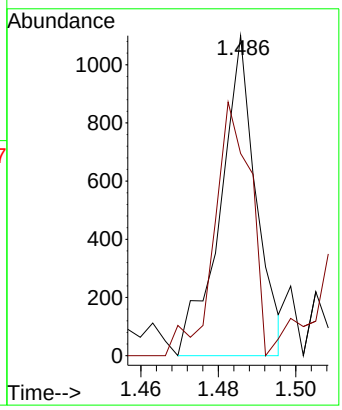


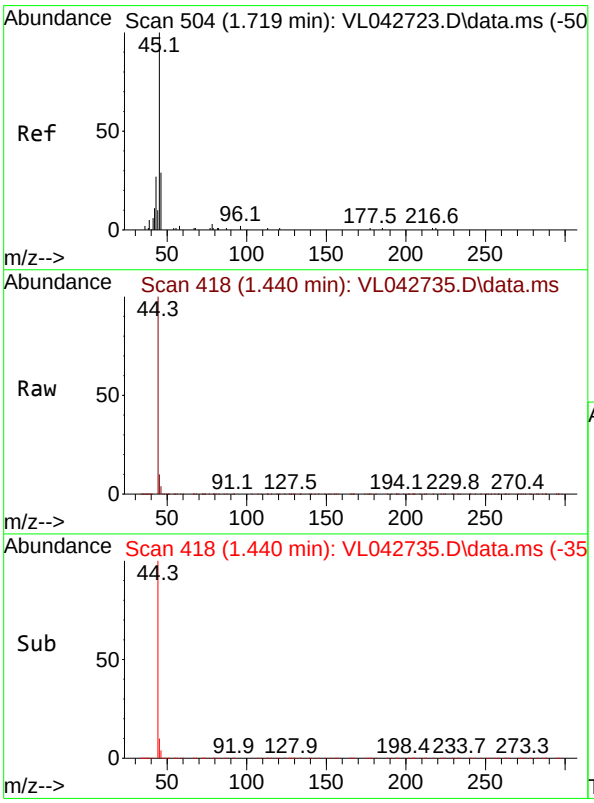
#9
Propene
Concen: 0.105 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 41 Resp: 706

Ion	Ratio	Lower	Upper
41	100		
42	147.7	52.0	78.0#

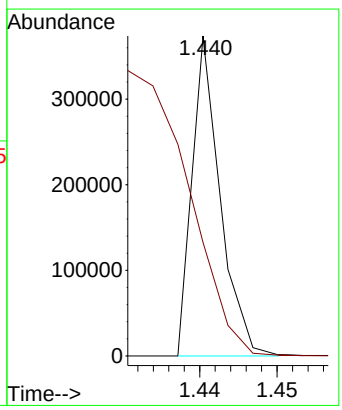


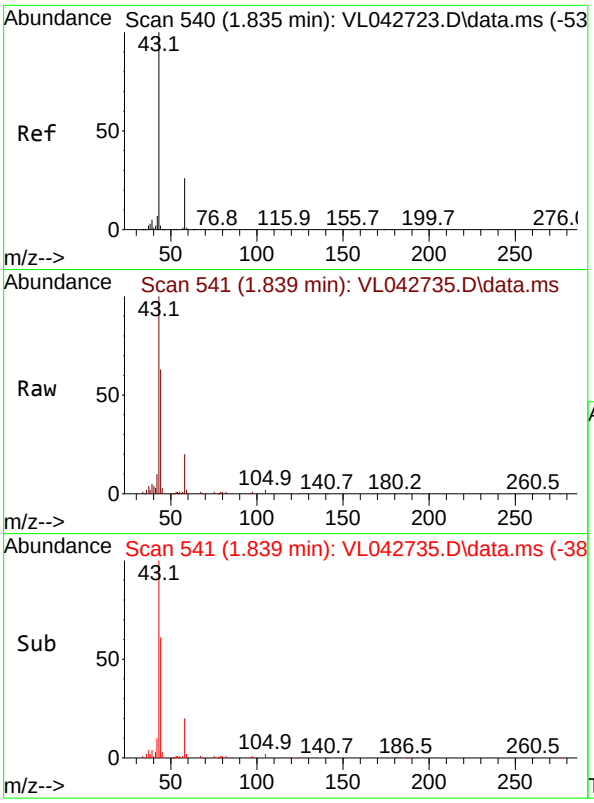


#13
Ethanol
Concen: 83.507 ppbv
RT: 1.440 min Scan# 418
Delta R.T. -0.278 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 45 Resp: 94380

Ion	Ratio	Lower	Upper
45	100		
46	405.2	16.3	65.1#



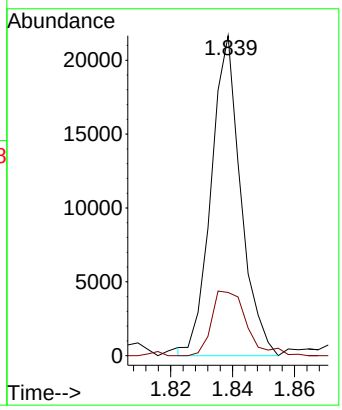


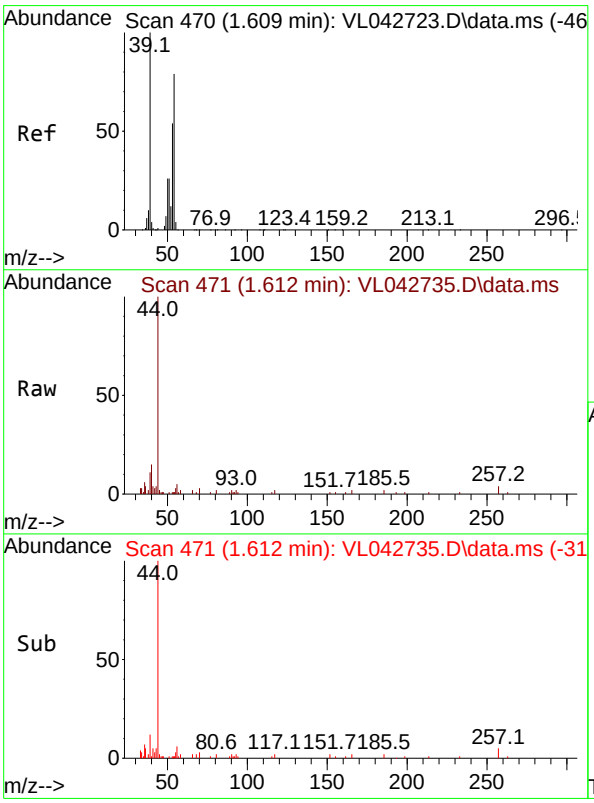
#15
Acetone
Concen: 0.800 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 14369

Ion	Ratio	Lower	Upper
43	100		
58	24.9	20.5	30.7

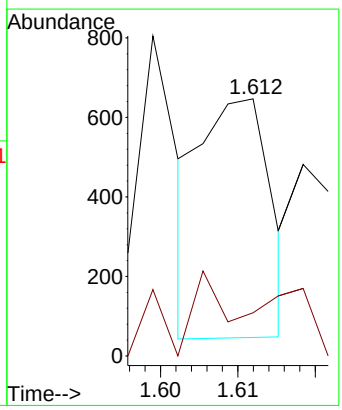


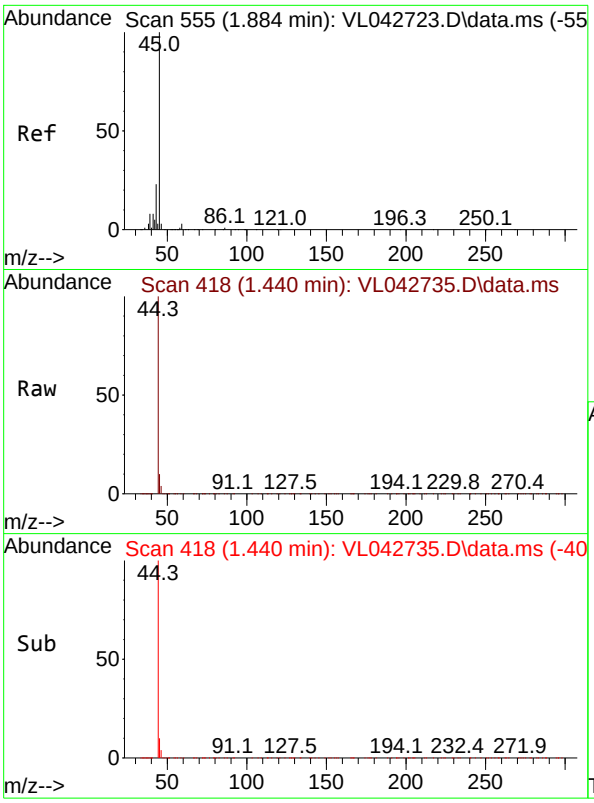


#16
1,3-Butadiene
Concen: 0.049 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 39 Resp: 378

Ion	Ratio	Lower	Upper
39	100		
54	0.0	54.6	82.0#



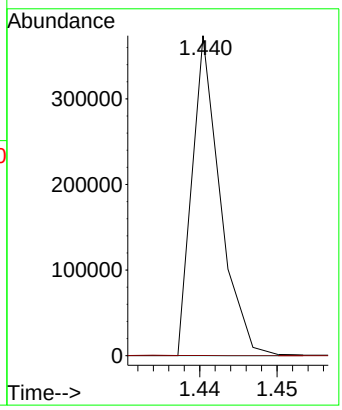


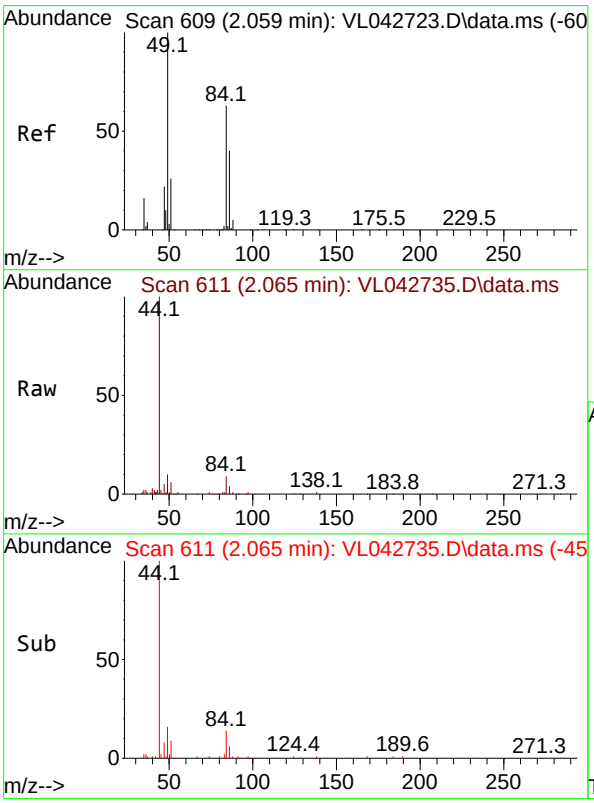
#19
Isopropyl Alcohol
Concen: 9.917 ppbv
RT: 1.440 min Scan# 41
Delta R.T. -0.444 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 94380

Ion	Ratio	Lower	Upper
45	100		
58	0.4	30.6	46.0#

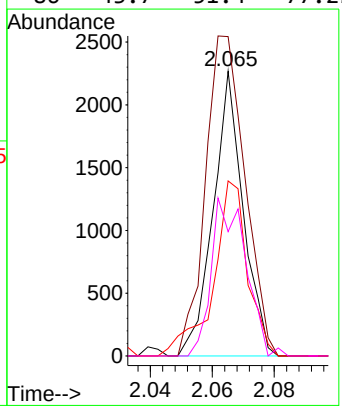


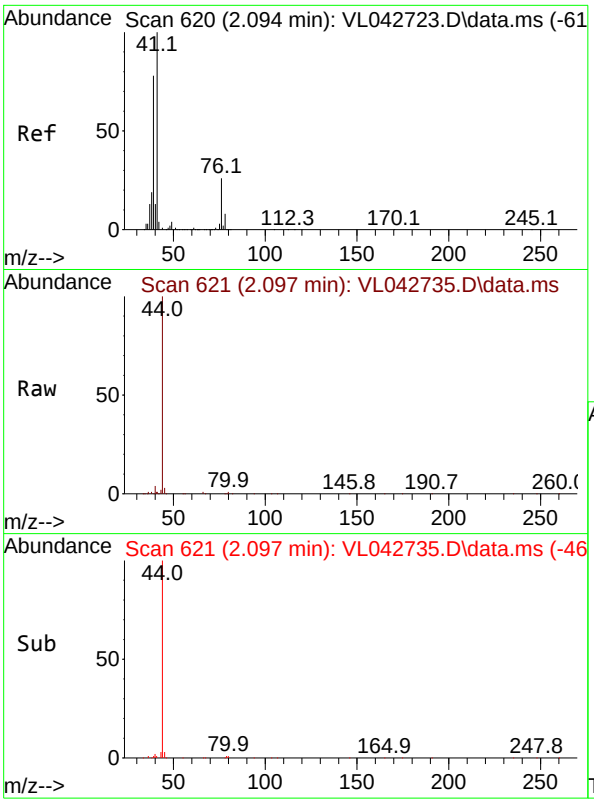


#20
Methylene Chloride
Concen: 0.270 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 84 Resp: 1526

Ion	Ratio	Lower	Upper
84	100		
49	112.2	128.2	192.4#
51	61.5	34.5	51.7#
86	43.7	51.4	77.2#



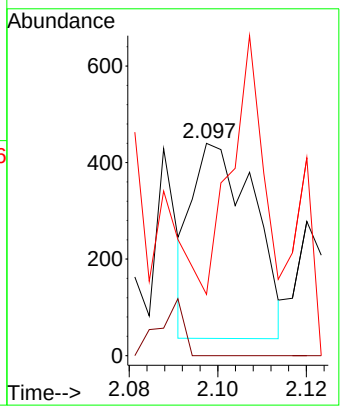


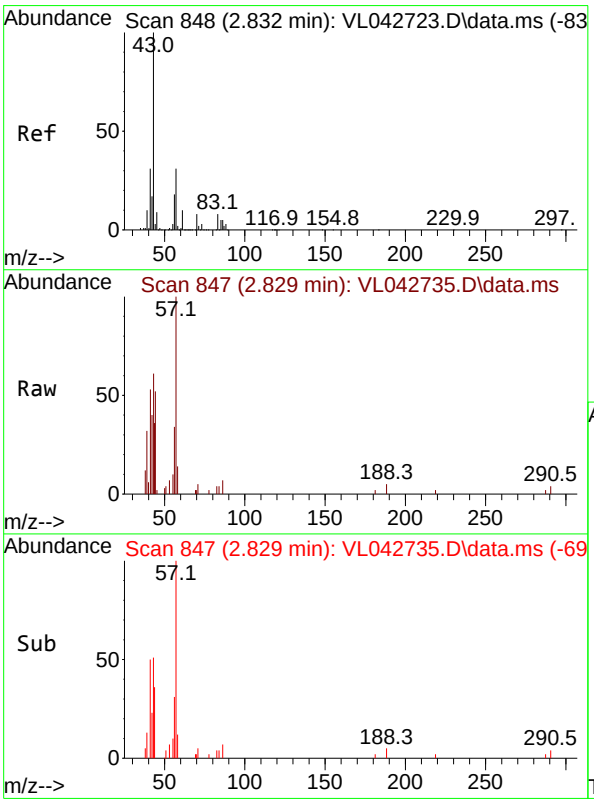
#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 41 Resp: 391

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.1	33.1#
39	295.7	64.7	97.1#

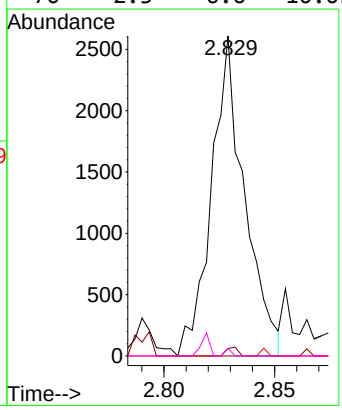


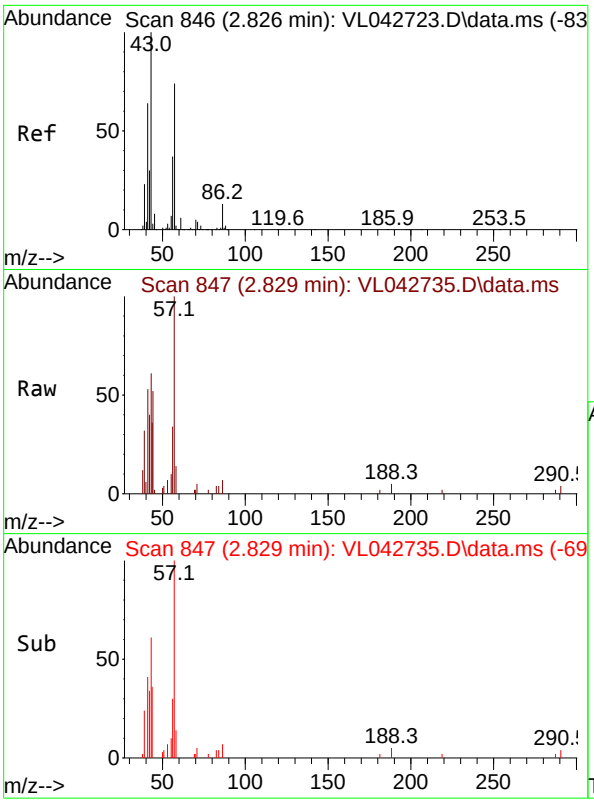


#25
Ethyl Acetate
Concen: 0.082 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 43 Resp: 2717

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	0.0	7.0	10.6#
70	2.3	6.6	10.0#



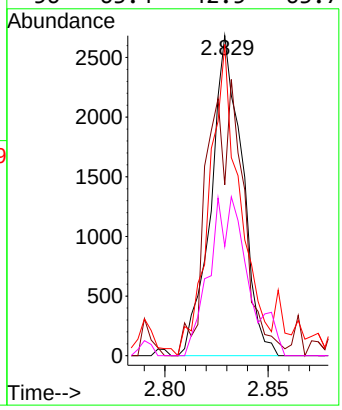


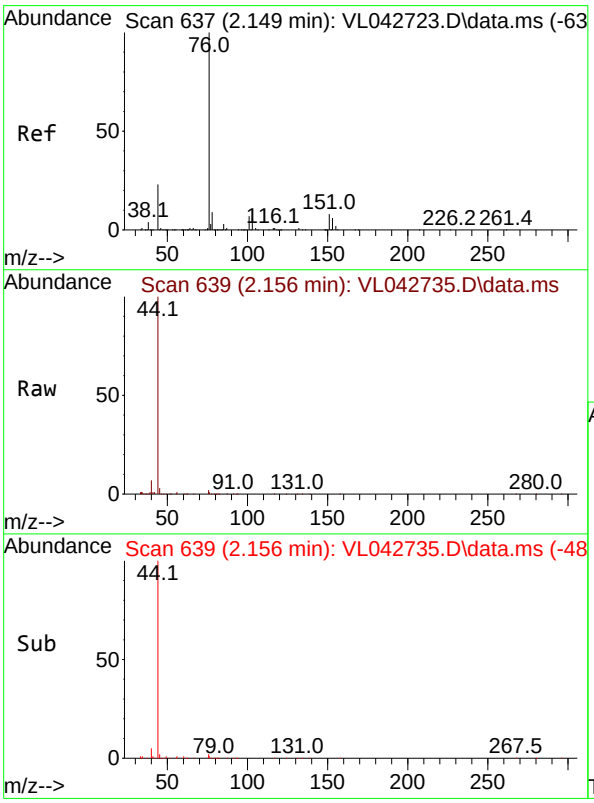
#26
Hexane
Concen: 0.194 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 57 Resp: 2820

Ion	Ratio	Lower	Upper
57	100		
41	104.1	77.3	115.9
43	122.8	182.3	273.5#
56	63.4	42.5	63.7

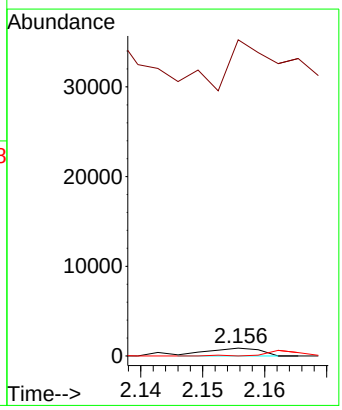


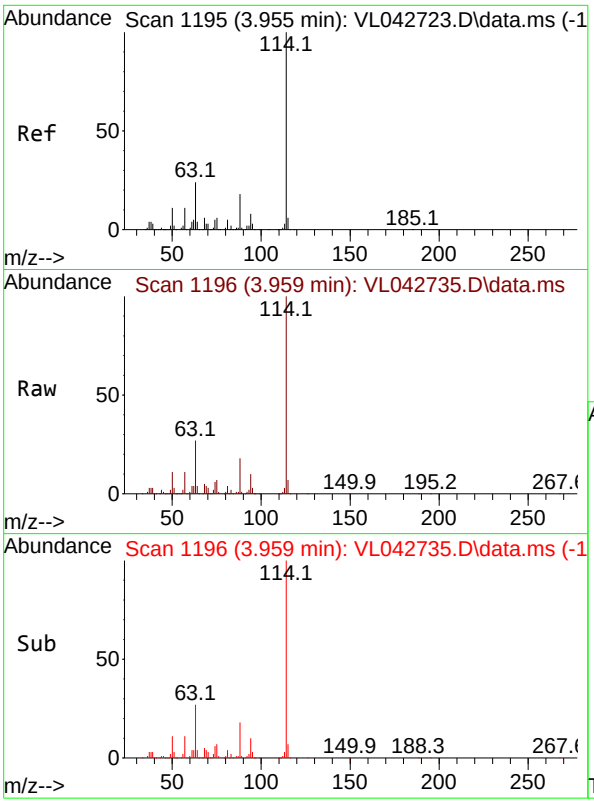


#27
Carbon Disulfide
Concen: 0.033 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.006 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 76 Resp: 516

Ion	Ratio	Lower	Upper
76	100		
44	9750.0	18.8	28.2#
78	80.2	9.5	14.3#



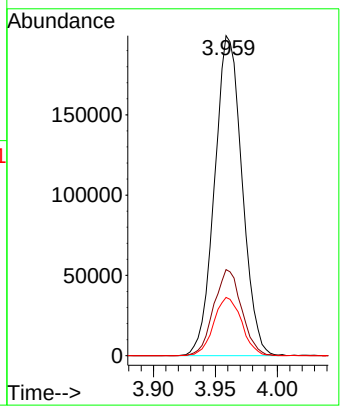


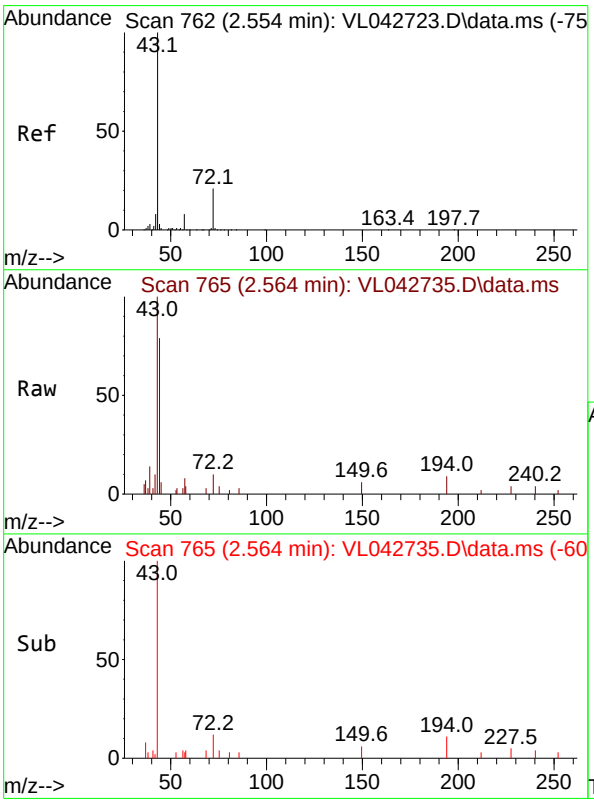
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:114 Resp: 308118

Ion	Ratio	Lower	Upper
114	100		
63	27.3	20.4	30.6
88	18.5	14.5	21.7

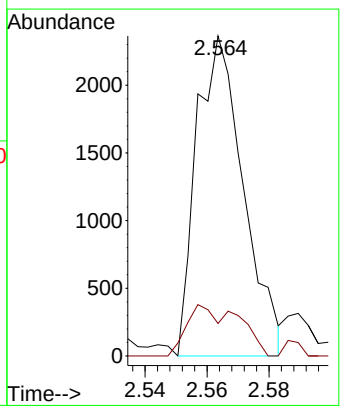


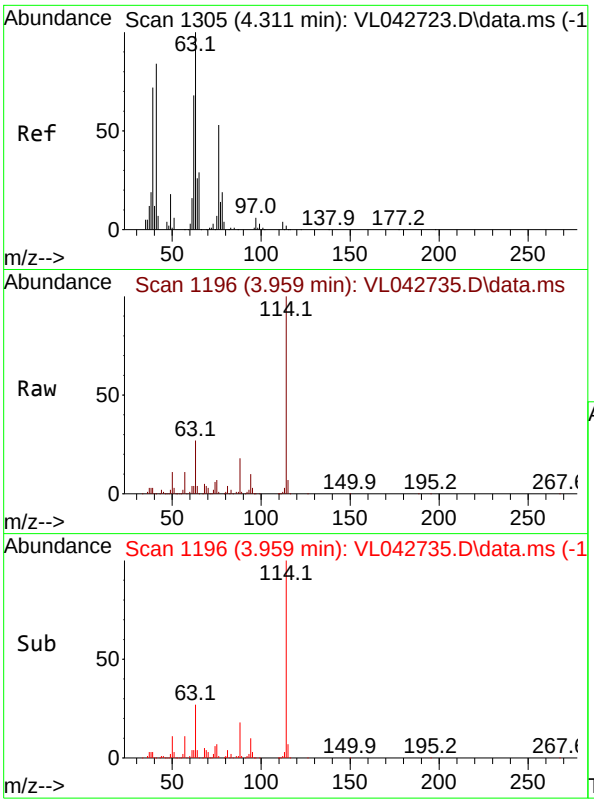


#34
2-Butanone
Concen: 0.117 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 43 Resp: 2485

Ion	Ratio	Lower	Upper
43	100		
72	19.5	17.0	25.6



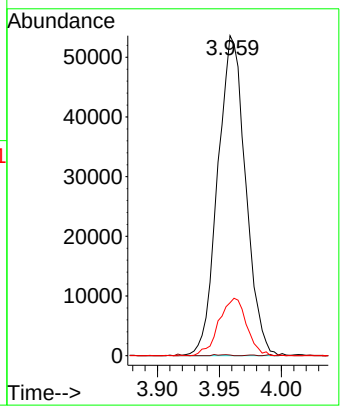


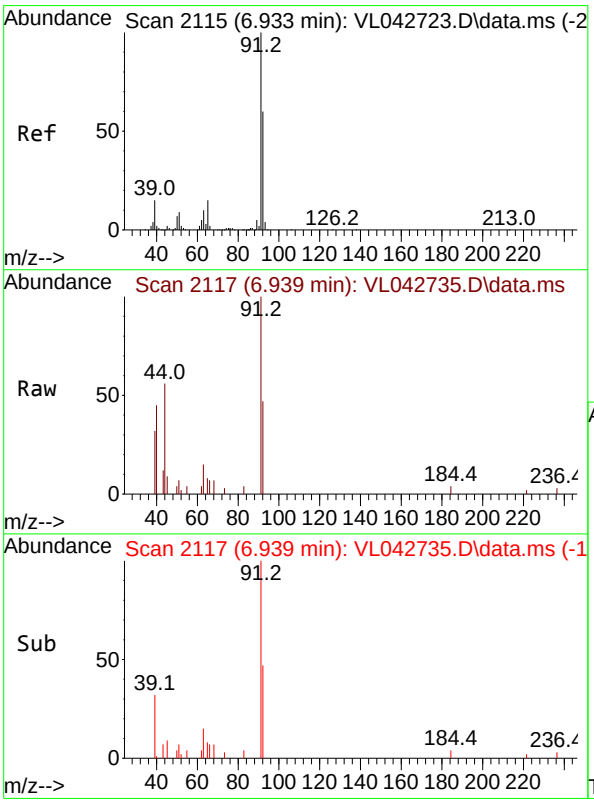
#39
1,2-Dichloropropane
Concen: 7.871 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 63 Resp: 83895

Ion	Ratio	Lower	Upper
63	100		
41	0.2	67.7	101.5#
62	16.6	54.1	81.1#

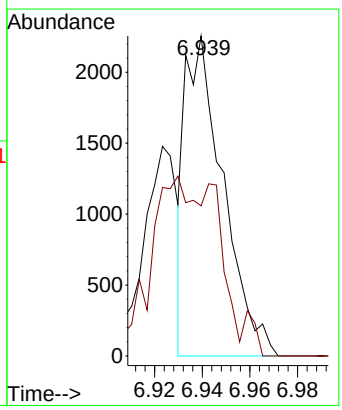


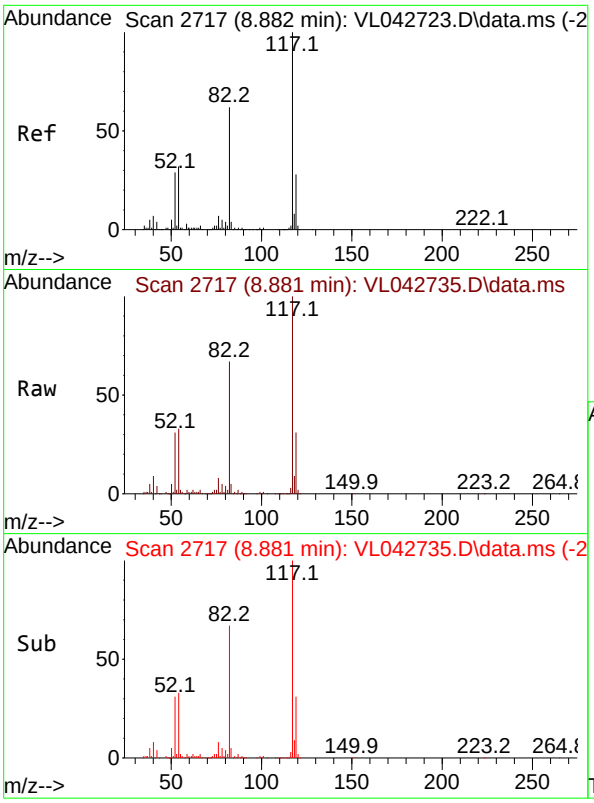


#53
Toluene
Concen: 0.078 ppbv
RT: 6.939 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 91 Resp: 2511

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.4#



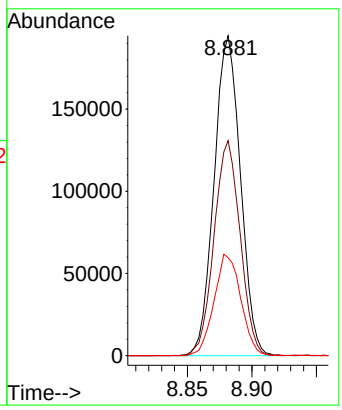


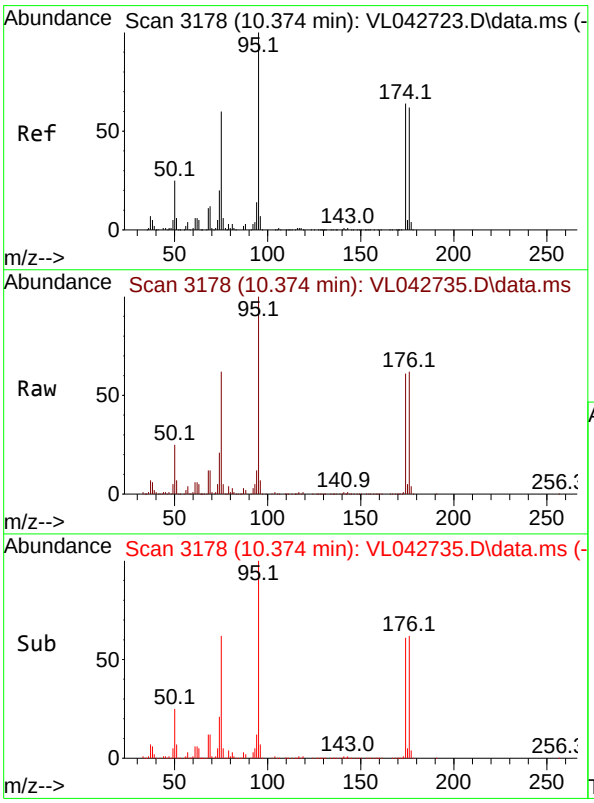
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 275966

Ion	Ratio	Lower	Upper
117	100		
82	66.7	54.6	81.8
119	32.2	25.3	37.9

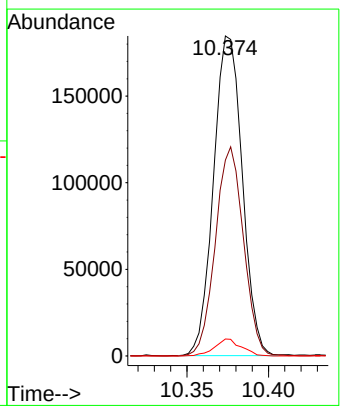


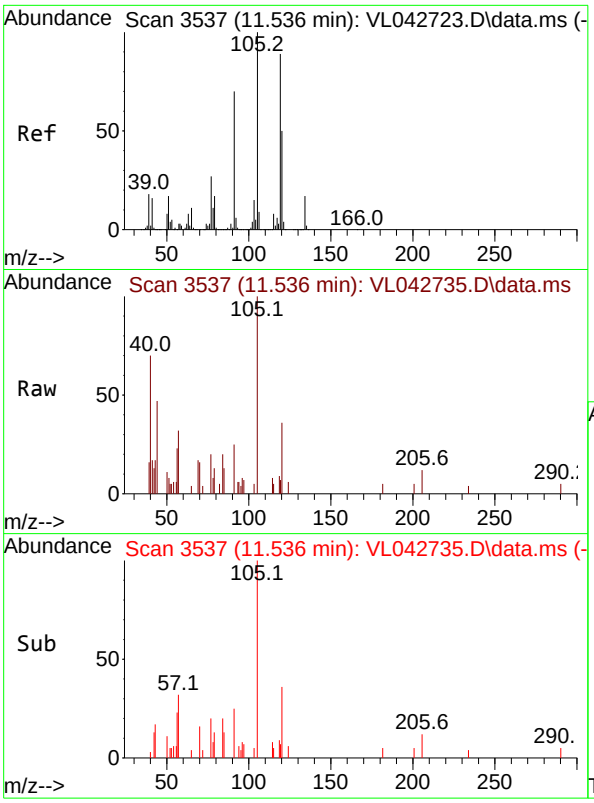


#68
1-Bromo-4-Fluorobenzene
Concen: 10.143 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Tgt Ion: 95 Resp: 226230

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.4	77.2
175	4.9	4.2	6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.030 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042735.D
Acq: 22 Jul 2025 17:42

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:105 Resp: 1212

Ion	Ratio	Lower	Upper
105	100		
120	36.3	39.9	59.9#
91	18.3	56.5	84.7#
77	20.2	21.8	32.6#