Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043177.D
Acq On : 06 Nov 2025 20:35
Operator : SY/MD
Sample : Q3557-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Quant Time: Nov 07 00:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	130758	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	364794	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.872	117	304142	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	234974	9.940	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	9913	0.533	ppbv	92
3) Chlorodifluoromethane	1.467	51	6585	0.327	ppbv #	78
4) Chloromethane	1.531	50	914	0.124	ppbv #	72
8) Dichlorotetrafluoroethane	1.496	85	9913	0.660	ppbv #	22
9) Propene	1.486	41	5549	0.622	ppbv	86
11) Trichlorofluoromethane	1.496	101	844	0.046	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.137	101	455	0.031	ppbv #	66
13) Ethanol	1.719	45	28888	8.755	ppbv	99
15) Acetone	1.832	43	79867	4.532	ppbv	99
16) 1,3-Butadiene	1.599	39	2521	0.300	ppbv #	24
19) Isopropyl Alcohol	1.884	45	8294	0.756	ppbv #	1
20) Methylene Chloride	2.062	84	3197	0.459	ppbv #	79
23) Vinyl Acetate	2.473	43	4609	0.179	ppbv #	46
25) Ethyl Acetate	2.823	43	4404	0.101	ppbv #	89
26) Hexane	2.823	57	5600	0.278	ppbv #	39
27) Carbon Disulfide	2.146	76	1875	0.102	ppbv #	1
29) Chloroform	2.846	83	10548	0.361	ppbv	93
34) 2-Butanone	2.554	43	12160	0.496	ppbv	94
36) Benzene	3.645	78	1388	0.040	ppbv #	86
39) 1,2-Dichloropropane	3.952	63	94079	7.490	ppbv #	25
41) Tetrahydrofuran	3.053	42	1213	0.088	ppbv #	58
53) Toluene	6.917	91	2339	0.057	ppbv #	20
56) 1,1,1,2-Tetrachloroethane	8.927	131	1187	0.062	ppbv #	1
59) m/p-Xylene	9.523	91	1545	0.037	ppbv #	1
60) o-Xylene	9.963	91	1244	0.030	ppbv	92
62) Isopropylbenzene	10.536	105	3096	0.042	ppbv	96
65) tert-Butylbenzene	11.769	119	34809	0.531	ppbv #	31
67) sec-Butylbenzene	11.772	105	9420	0.101	ppbv #	1
78) Hexachloro-1,3-Butadiene	13.387	225	704	0.035	ppbv #	19
79) Naphthalene	13.517	128	2556	0.052	ppbv #	90

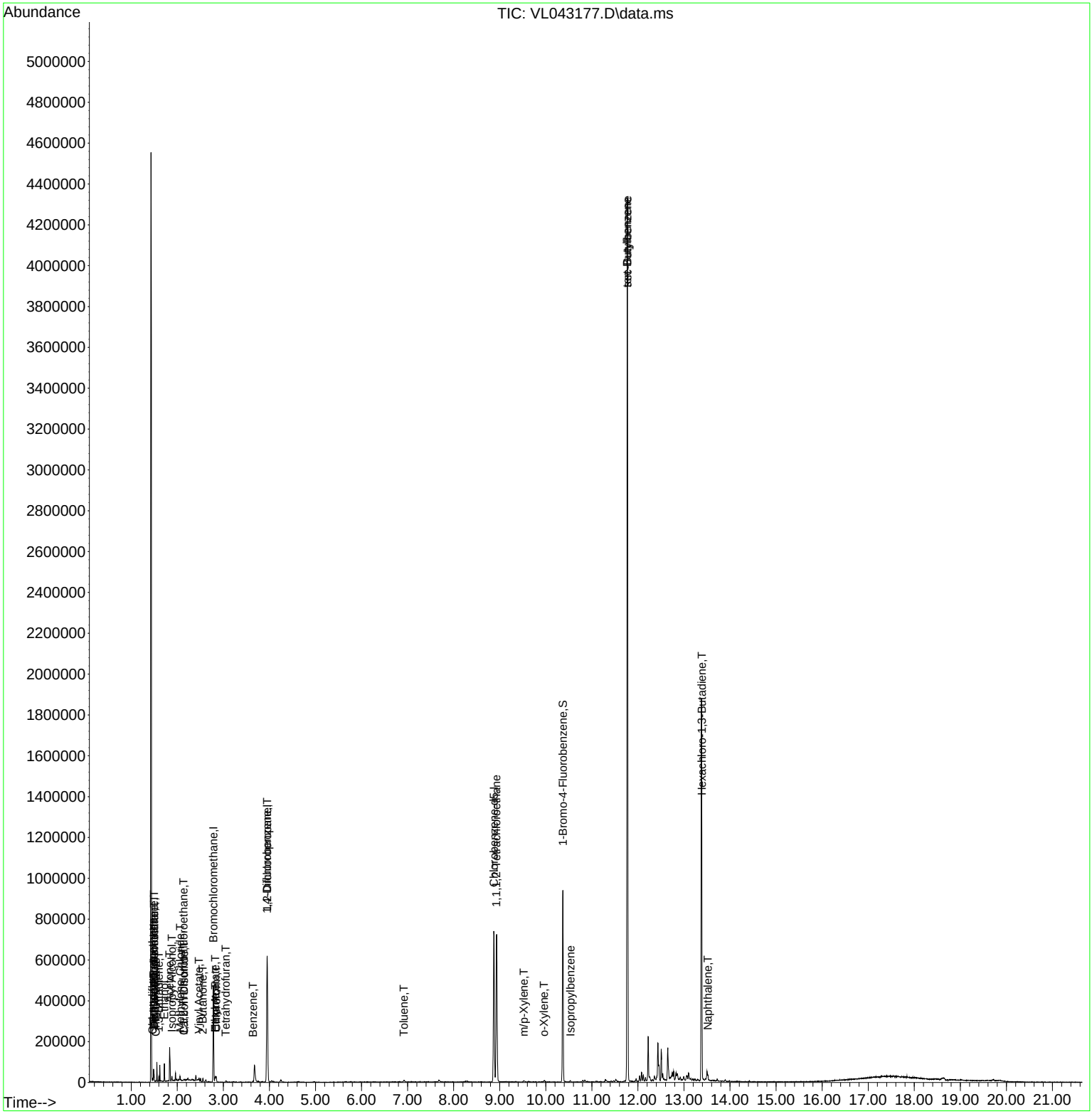
(#) = qualifier out of range (m) = manual integration (+) = signals summed

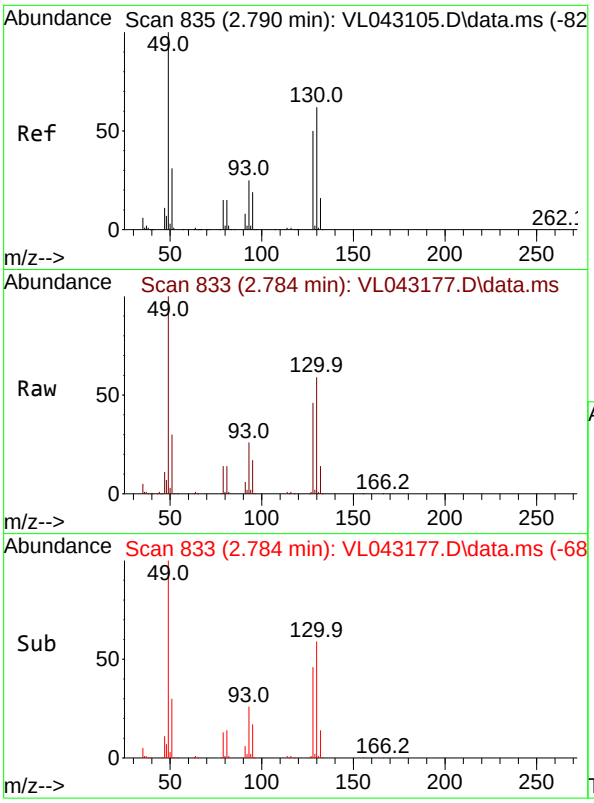
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043177.D
Acq On : 06 Nov 2025 20:35
Operator : SY/MD
Sample : Q3557-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Quant Time: Nov 07 00:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



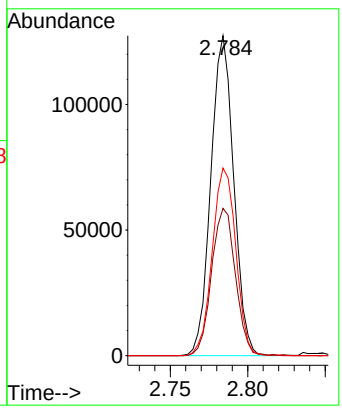


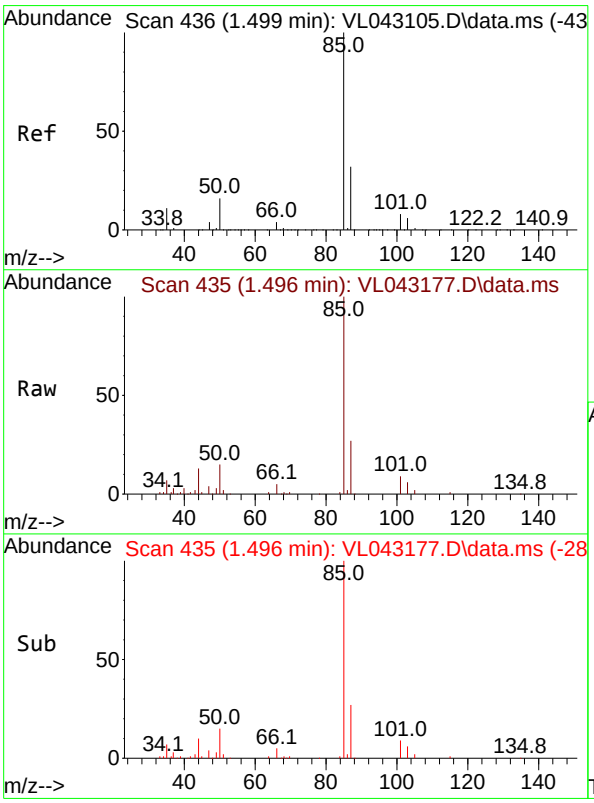
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 49 Resp: 130758

Ion	Ratio	Lower	Upper
49	100		
128	47.9	24.4	73.4
130	60.5	31.0	93.0

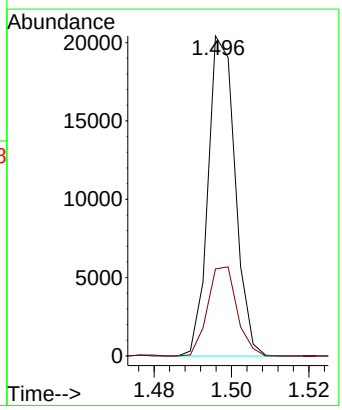


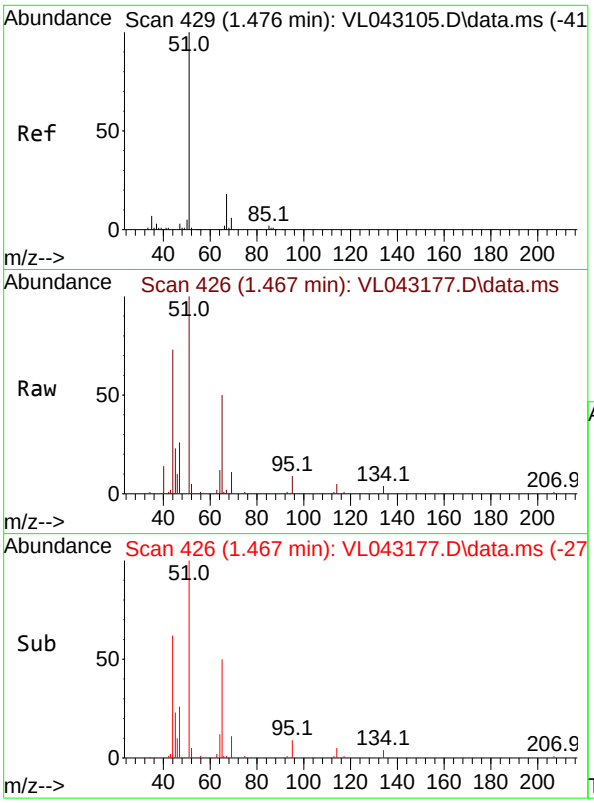


#2
Dichlorodifluoromethane
Concen: 0.533 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 85 Resp: 9913

Ion	Ratio	Lower	Upper
85	100		
87	27.2	25.3	37.9



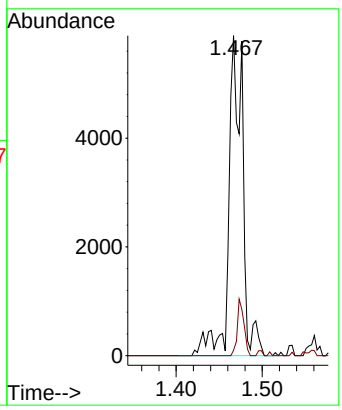


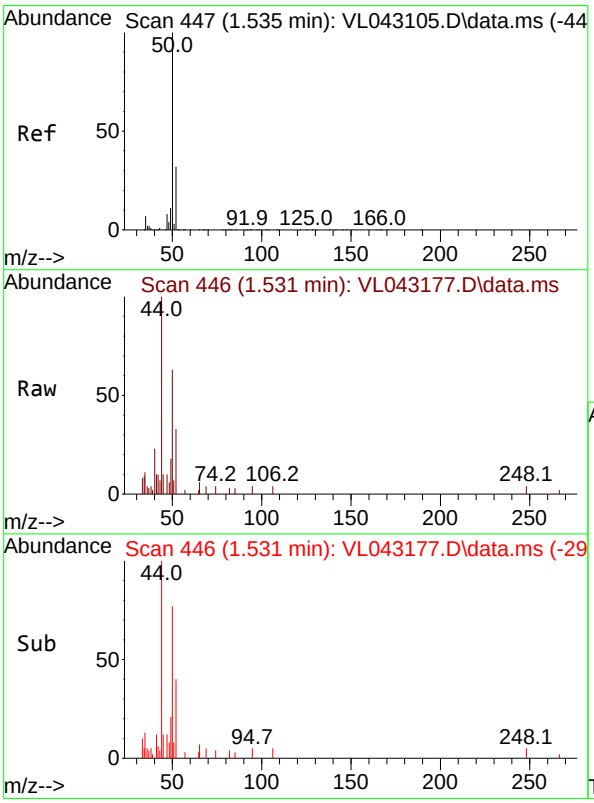
#3
Chlorodifluoromethane
Concen: 0.327 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 51 Resp: 6585

Ion	Ratio	Lower	Upper
51	100		
67	9.2	15.1	22.7#

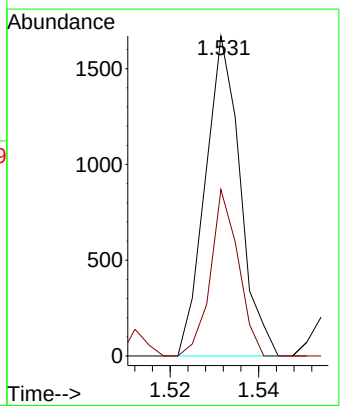


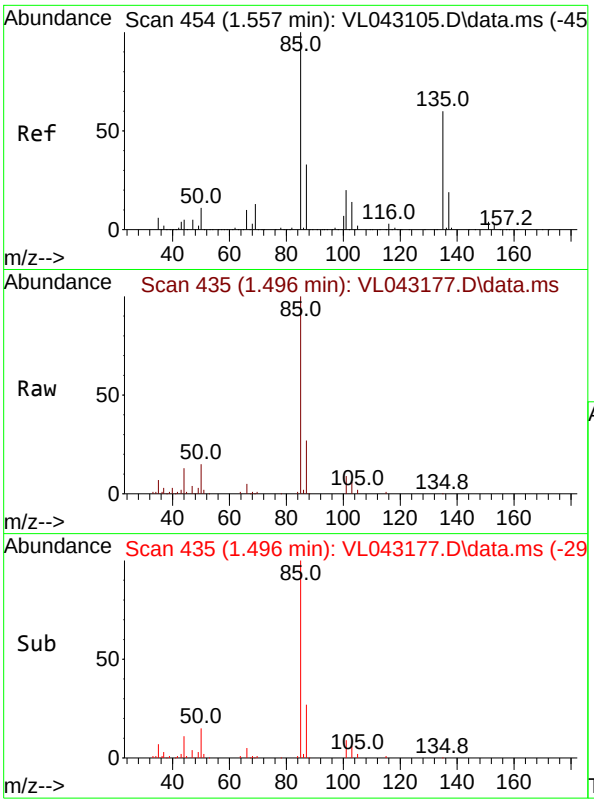


#4
Chloromethane
Concen: 0.124 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 50 Resp: 914

Ion	Ratio	Lower	Upper
50	100		
52	46.8	25.2	37.8#



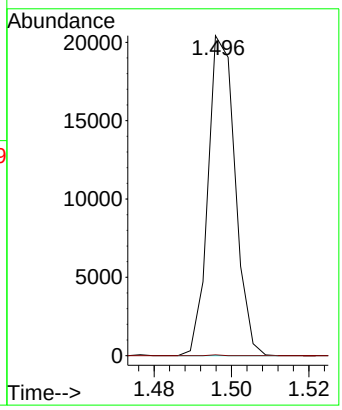


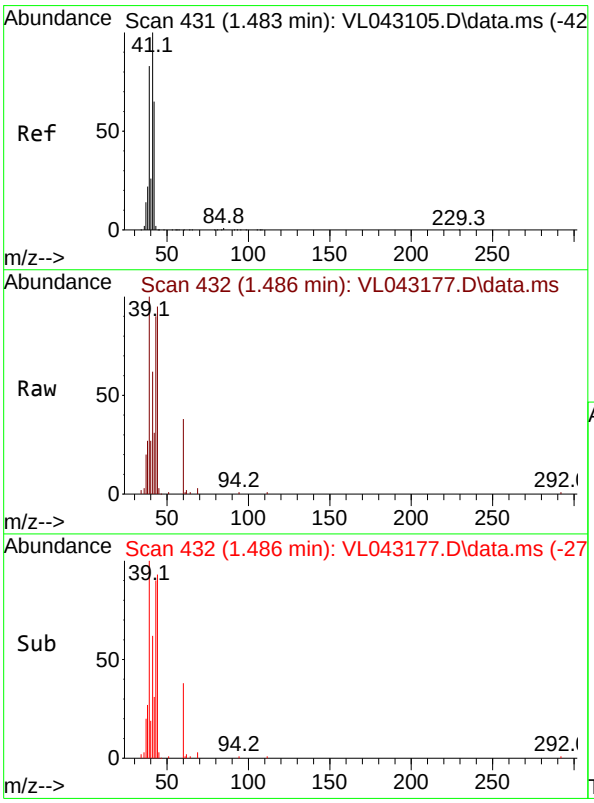
#8
Dichlorotetrafluoroethane
Concen: 0.660 ppbv
RT: 1.496 min Scan# 4
Delta R.T. -0.061 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 85 Resp: 9913

Ion	Ratio	Lower	Upper
85	100		
135	1.5	48.2	72.4#

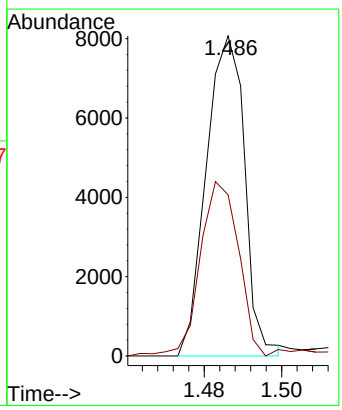


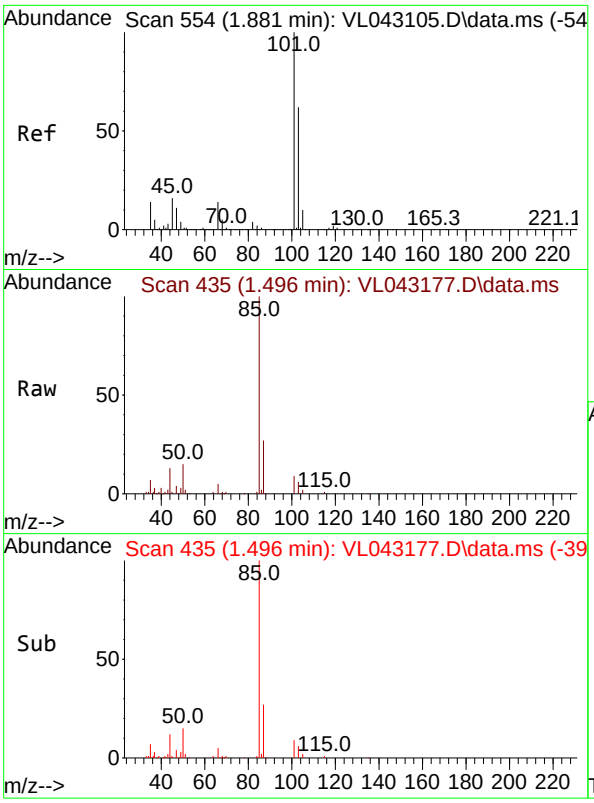


#9
Propene
Concen: 0.622 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 41 Resp: 5549

Ion	Ratio	Lower	Upper
41	100		
42	57.3	55.1	82.7



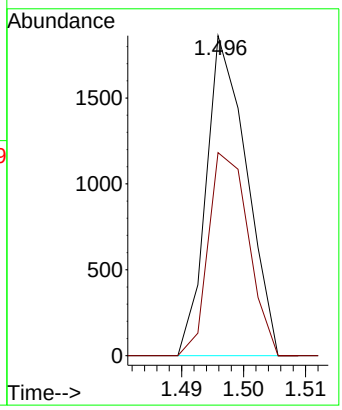


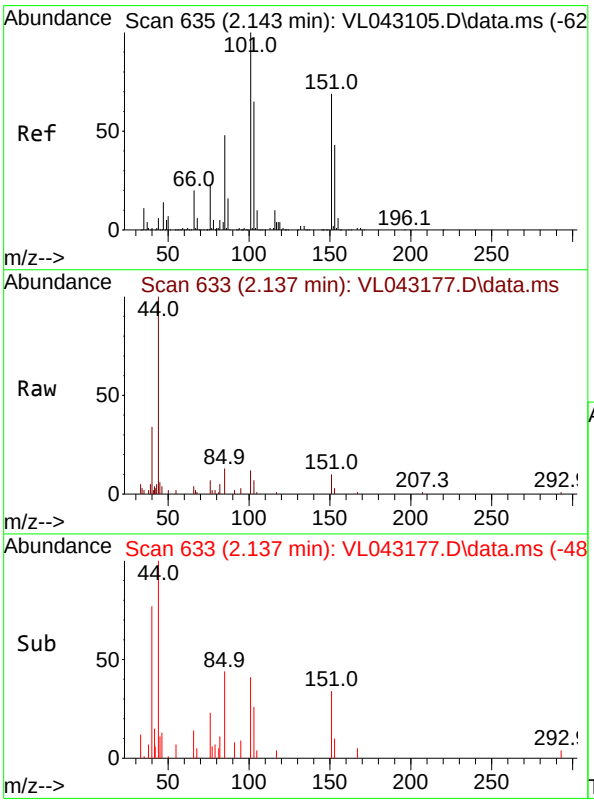
#11
Trichlorofluoromethane
Concen: 0.046 ppbv
RT: 1.496 min Scan# 4
Delta R.T. -0.385 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:101 Resp: 844

Ion	Ratio	Lower	Upper
101	100		
103	63.4	49.3	73.9

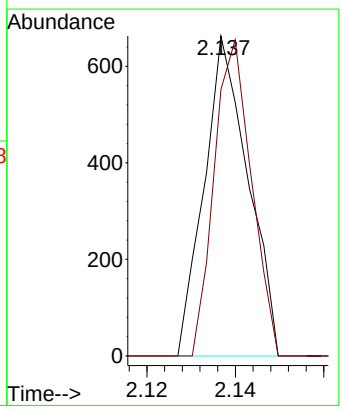


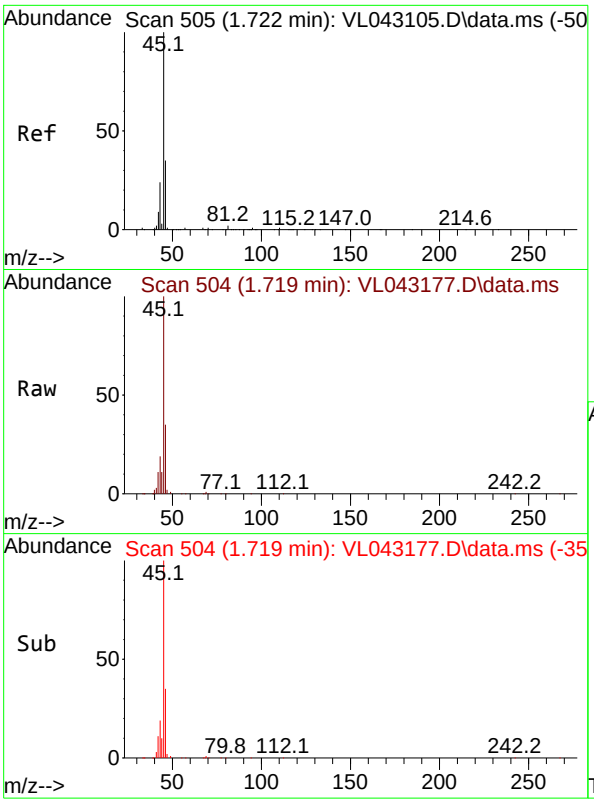


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.031 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:101 Resp: 455

Ion	Ratio	Lower	Upper
101	100		
151	95.6	54.7	82.1#



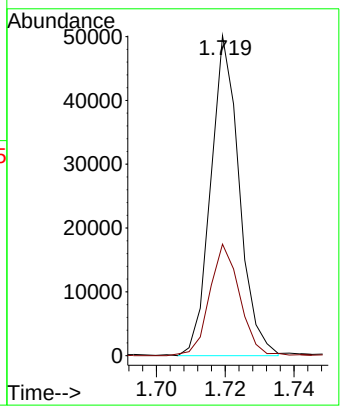


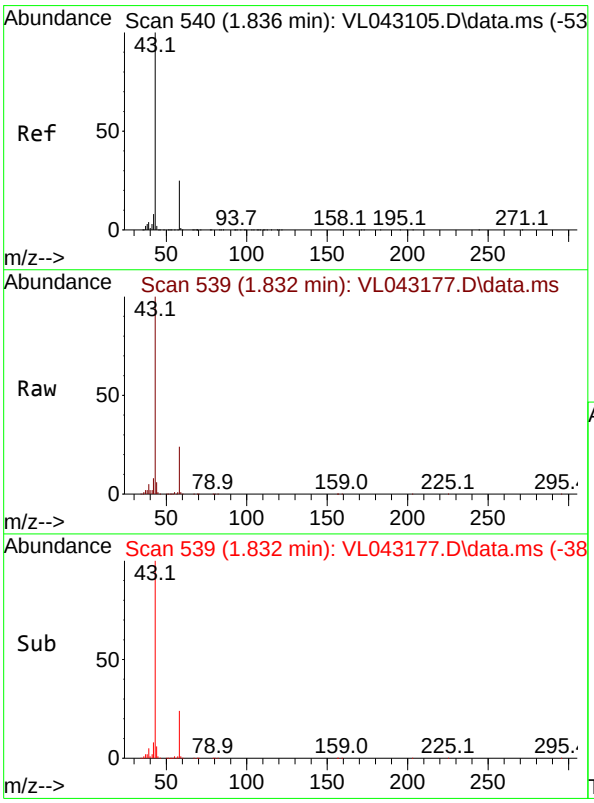
#13
Ethanol
Concen: 8.755 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 45 Resp: 28888

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.7	58.9

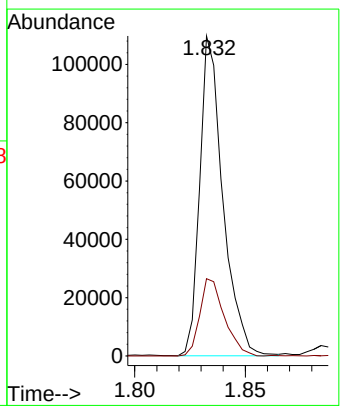


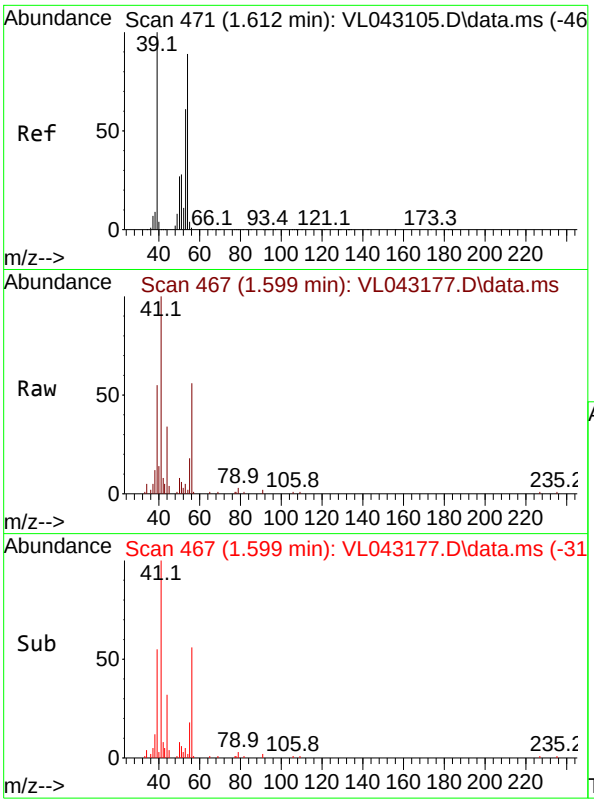


#15
Acetone
Concen: 4.532 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 79867

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.8	31.2



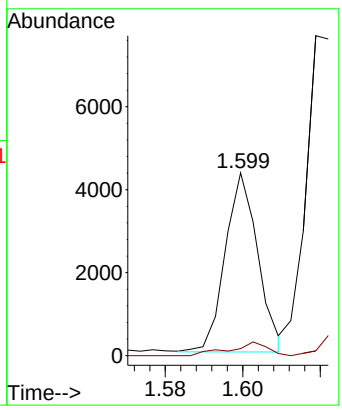


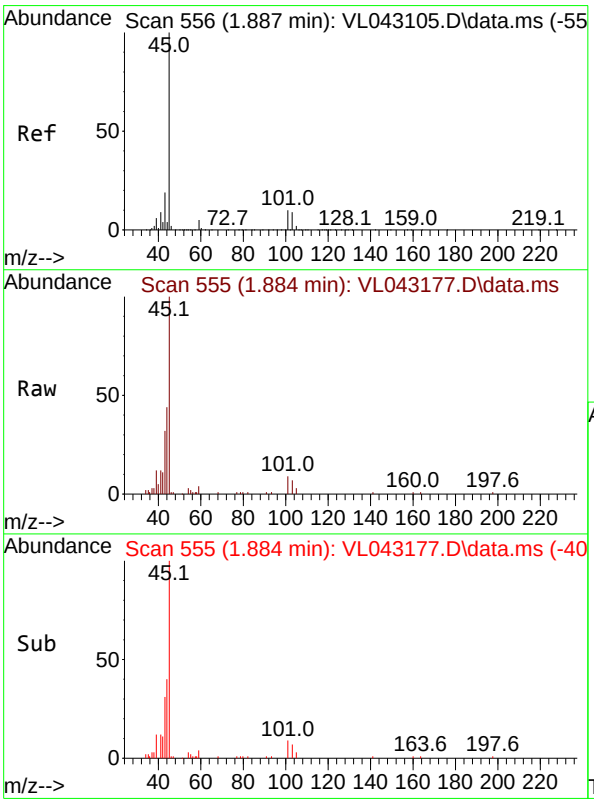
#16
1,3-Butadiene
Concen: 0.300 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 39 Resp: 2521

Ion	Ratio	Lower	Upper
39	100		
54	9.2	59.0	88.4#

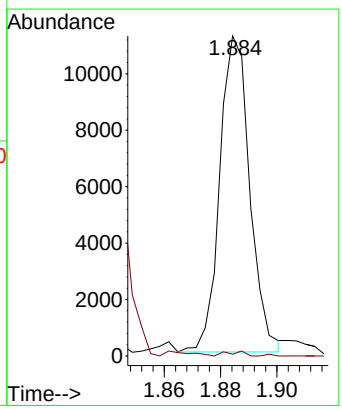


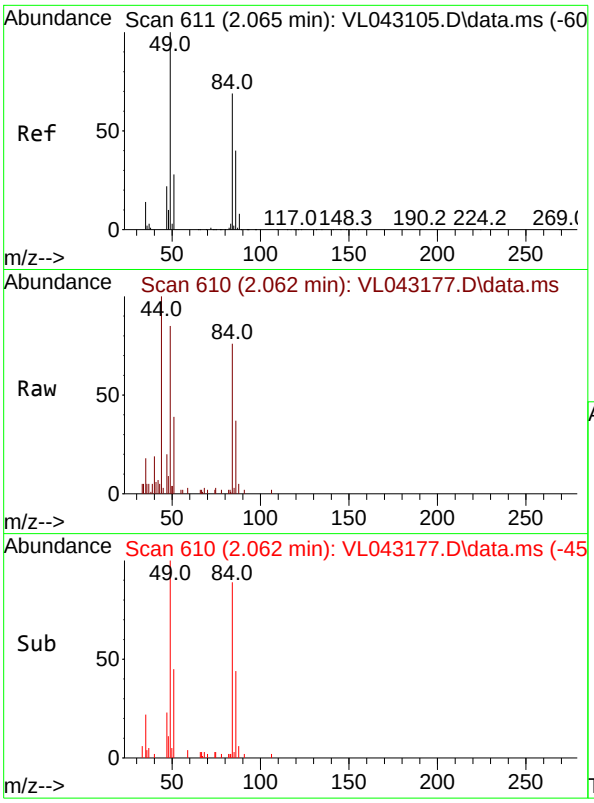


#19
Isopropyl Alcohol
Concen: 0.756 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 45 Resp: 8294

Ion	Ratio	Lower	Upper
45	100		
58	248.3	31.3	46.9#



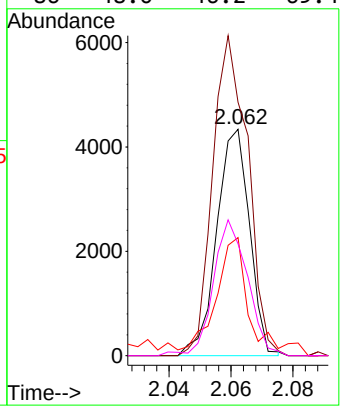


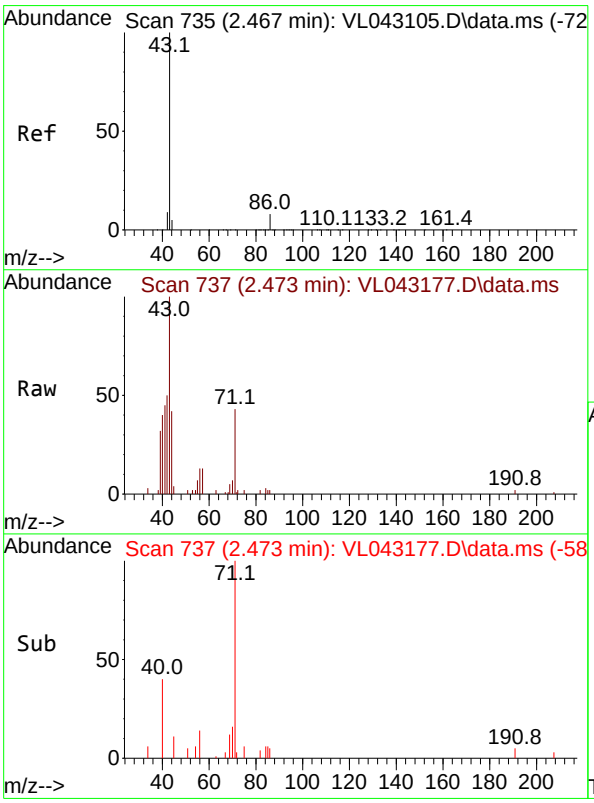
#20
Methylene Chloride
Concen: 0.459 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 84 Resp: 3197

Ion	Ratio	Lower	Upper
84	100		
49	111.9	116.6	175.0#
51	49.6	34.8	52.2
86	48.0	46.2	69.4

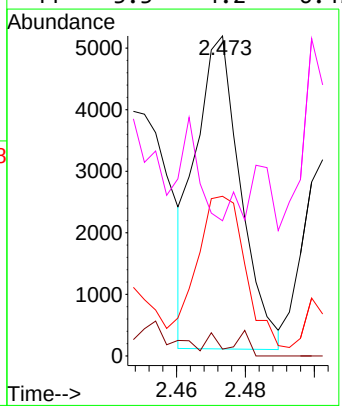


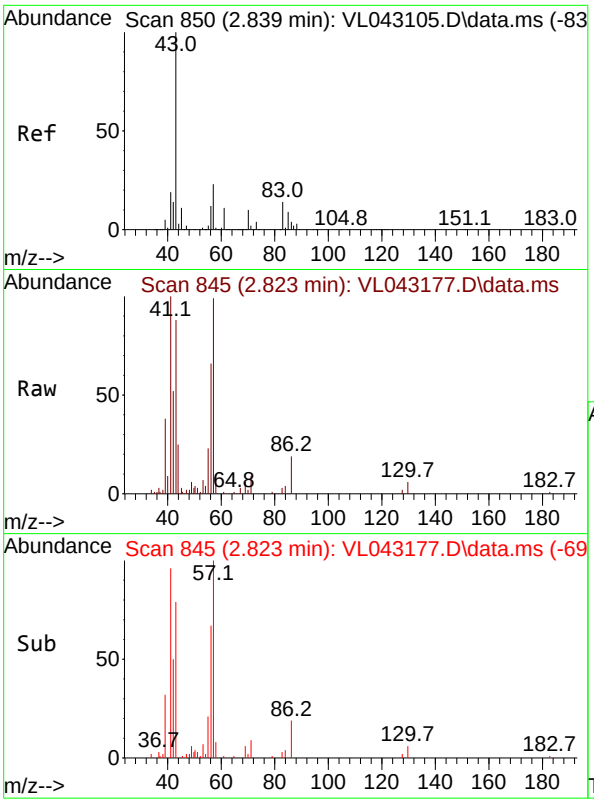


#23
Vinyl Acetate
Concen: 0.179 ppbv
RT: 2.473 min Scan# 737
Delta R.T. 0.007 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 4609

Ion	Ratio	Lower	Upper
43	100		
86	2.3	6.2	9.2#
42	50.7	7.6	11.4#
44	3.3	4.2	6.4#



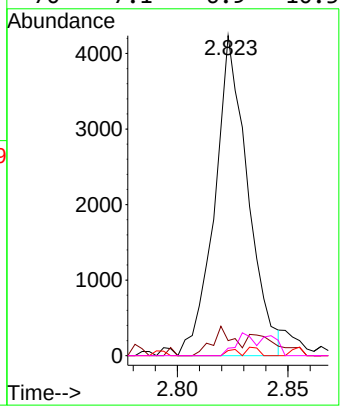


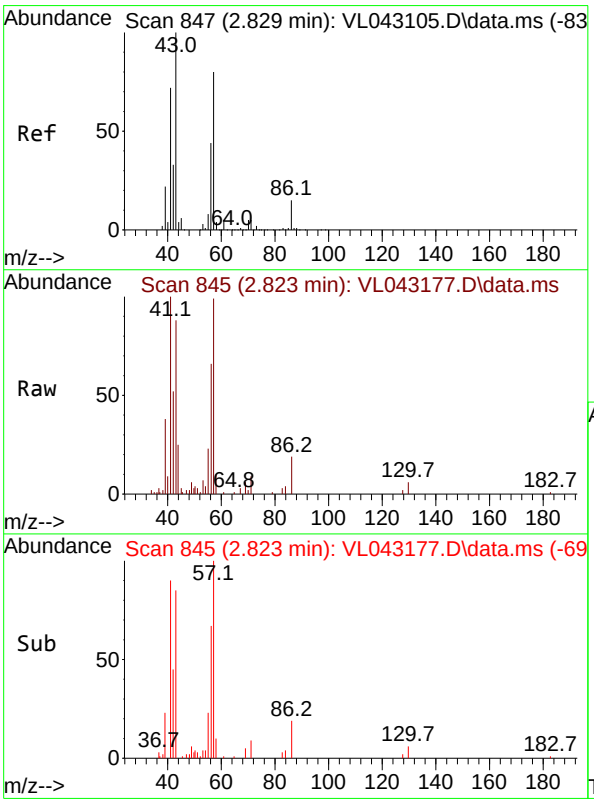
#25
Ethyl Acetate
Concen: 0.101 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 43 Resp: 4404

Ion	Ratio	Lower	Upper
43	100		
45	12.0	7.8	11.8#
61	0.5	7.0	10.6#
70	7.1	6.9	10.3

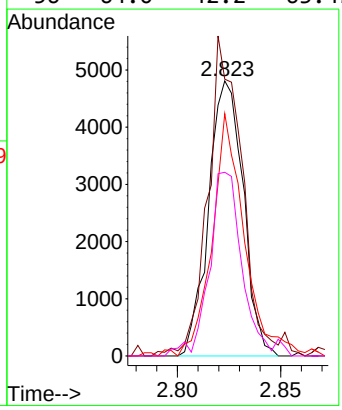


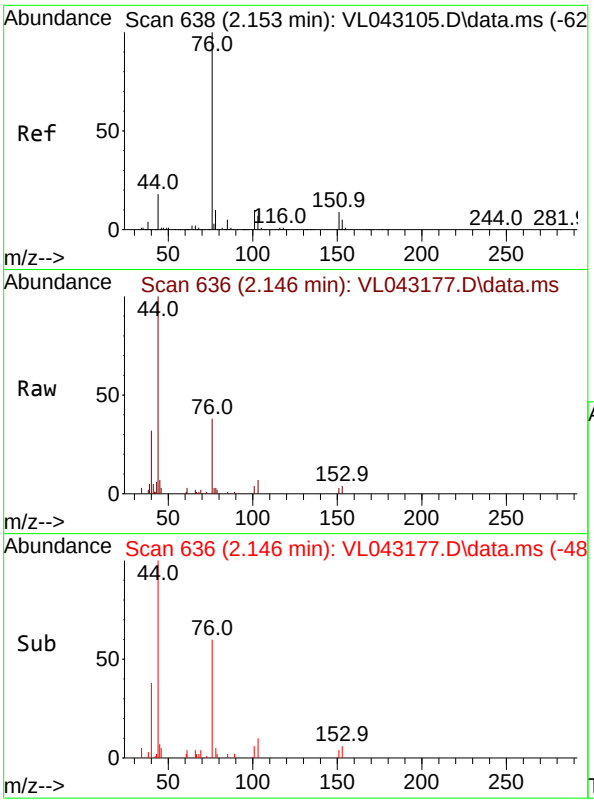


#26
Hexane
Concen: 0.278 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 57 Resp: 5600

Ion	Ratio	Lower	Upper
57	100		
41	115.3	71.4	107.0#
43	84.3	178.5	267.7#
56	64.0	42.2	63.4#



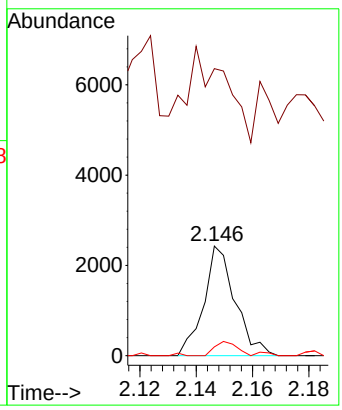


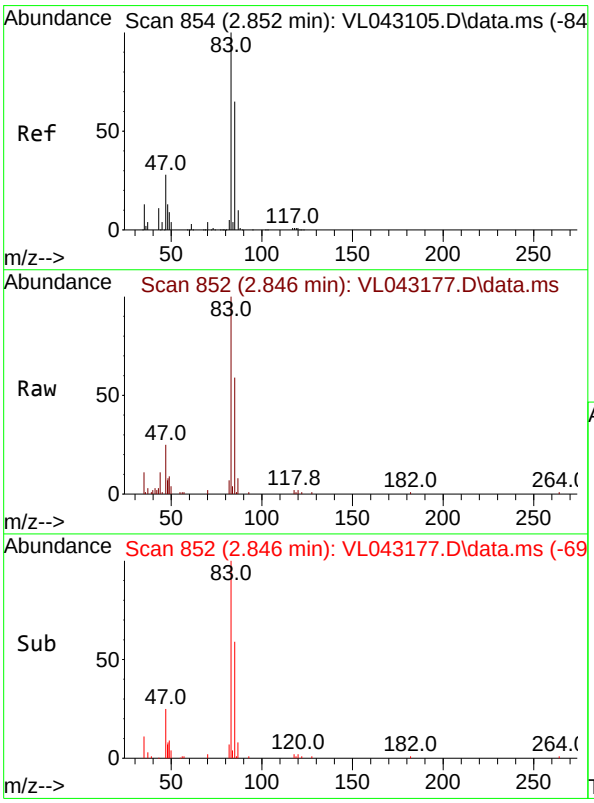
#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 76 Resp: 1875

Ion	Ratio	Lower	Upper
76	100		
44	1391.8	16.7	25.1#
78	11.1	9.3	13.9

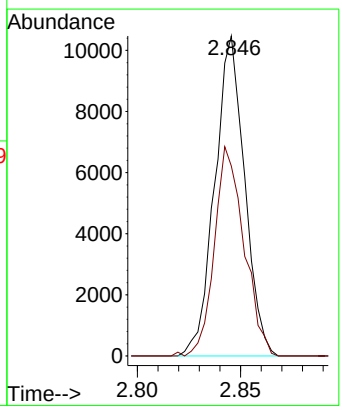


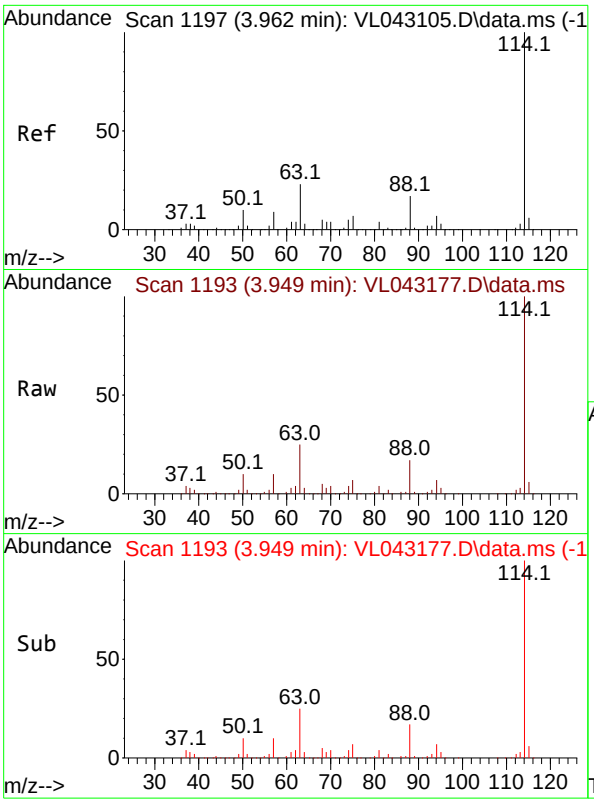


#29
Chloroform
Concen: 0.361 ppbv
RT: 2.846 min Scan# 852
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 83 Resp: 10548

Ion	Ratio	Lower	Upper
83	100		
85	59.4	51.8	77.6



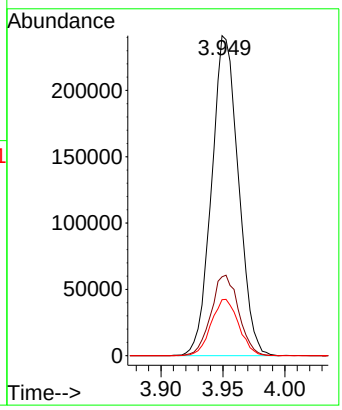


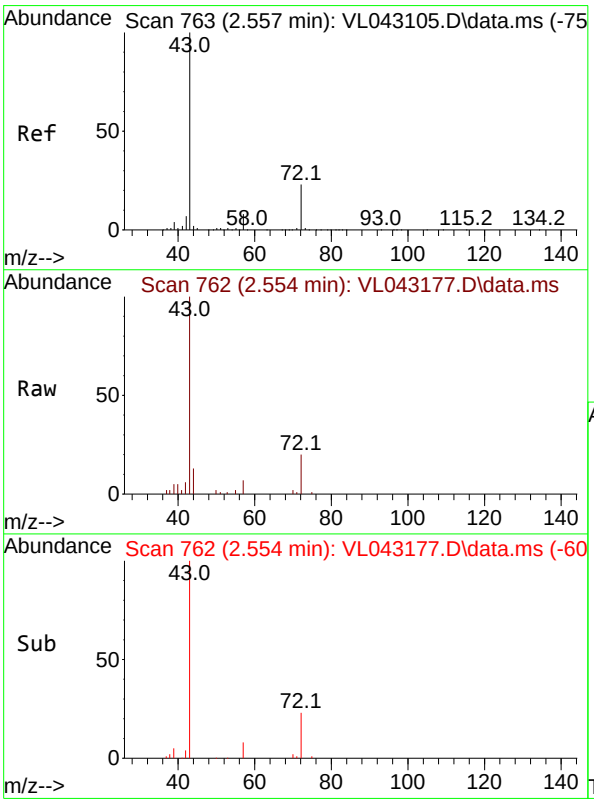
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:114 Resp: 364794

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	18.0	13.9	20.9

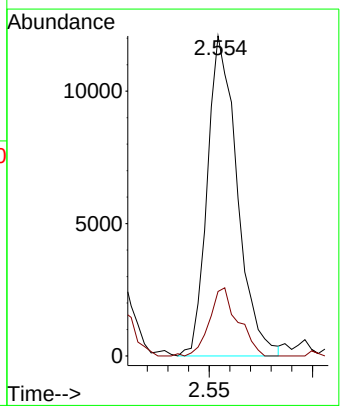


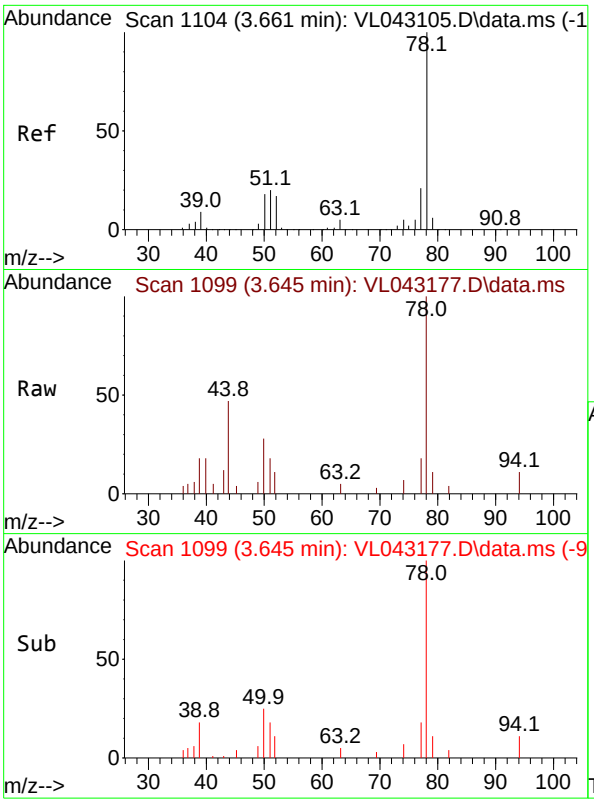


#34
2-Butanone
Concen: 0.496 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 12160

Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.4	27.6



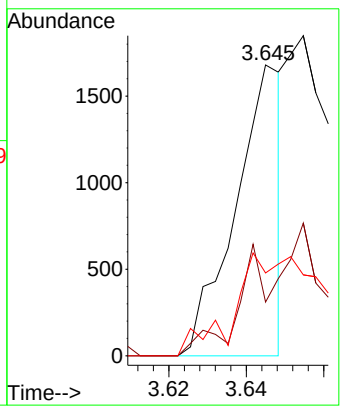


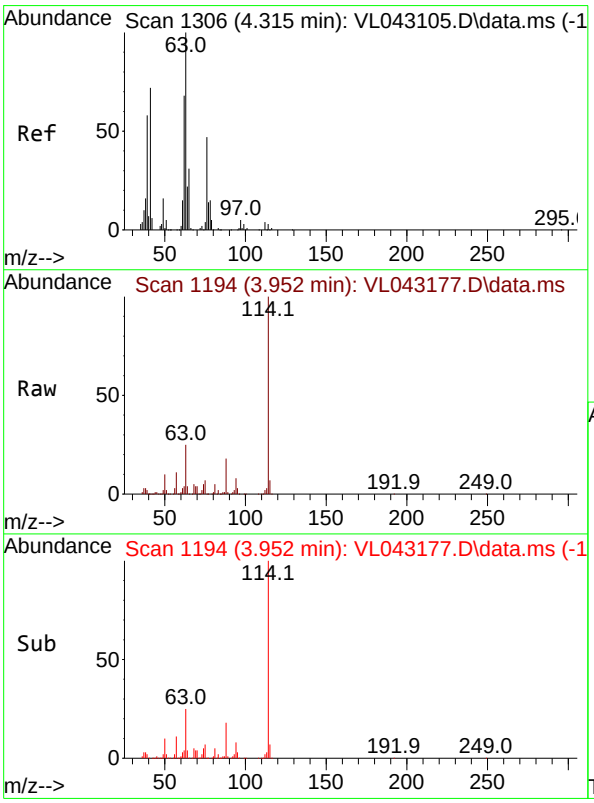
#36
Benzene
Concen: 0.040 ppbv
RT: 3.645 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 78 Resp: 1388

Ion	Ratio	Lower	Upper
78	100		
77	18.5	17.0	25.6
50	28.5	14.6	22.0#

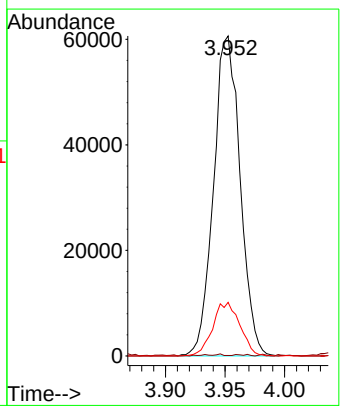


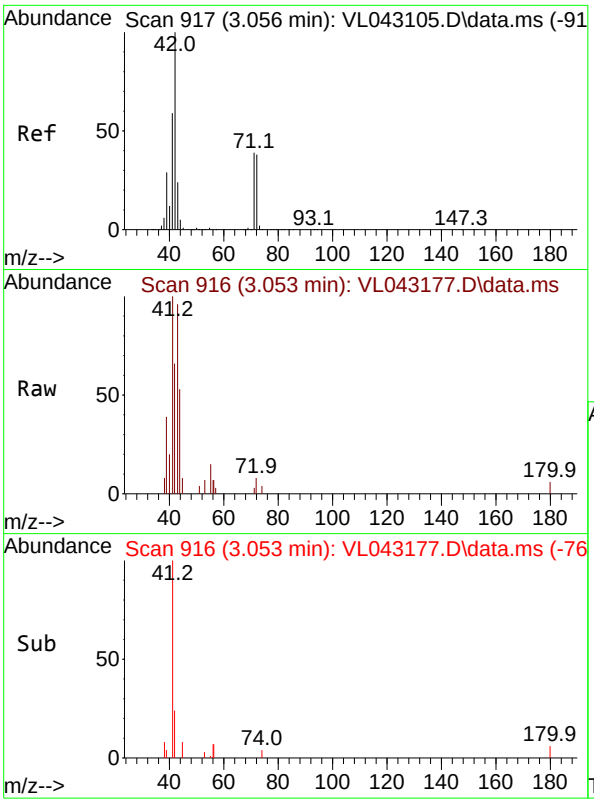


#39
1,2-Dichloropropane
Concen: 7.490 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.362 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 63 Resp: 94079

Ion	Ratio	Lower	Upper
63	100		
41	0.1	58.0	87.0#
62	16.8	54.7	82.1#



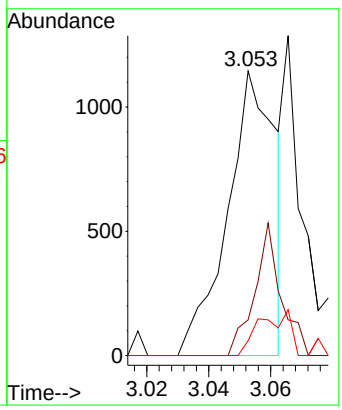


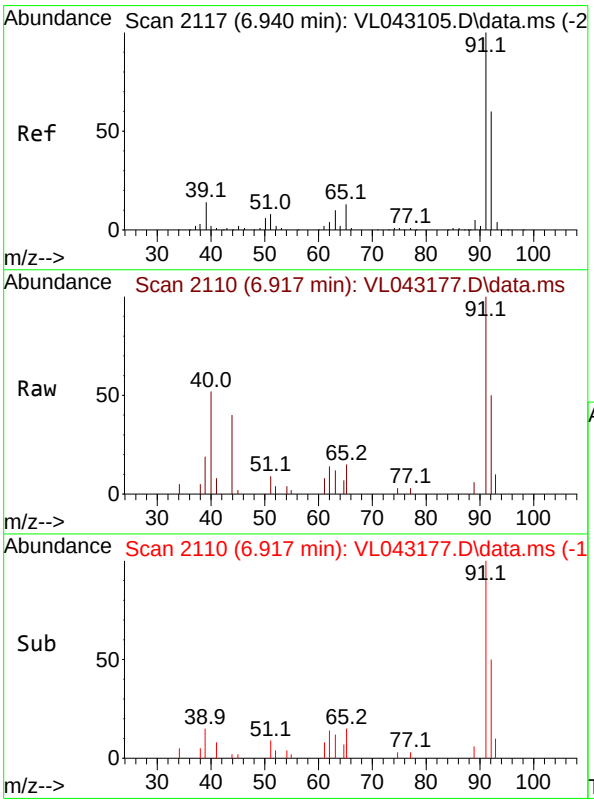
#41
Tetrahydrofuran
Concen: 0.088 ppbv
RT: 3.053 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 42 Resp: 1213

Ion	Ratio	Lower	Upper
42	100		
72	26.0	31.3	46.9#
71	0.0	30.4	45.6#

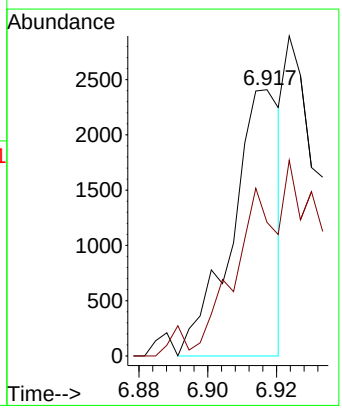


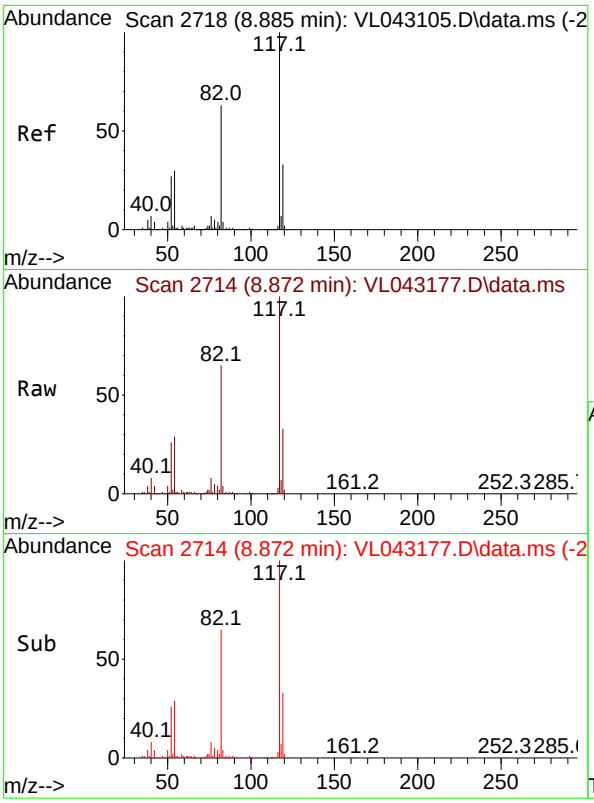


#53
Toluene
Concen: 0.057 ppbv
RT: 6.917 min Scan# 2110
Delta R.T. -0.023 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 91 Resp: 2339

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#



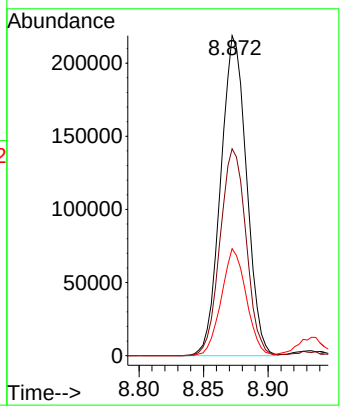


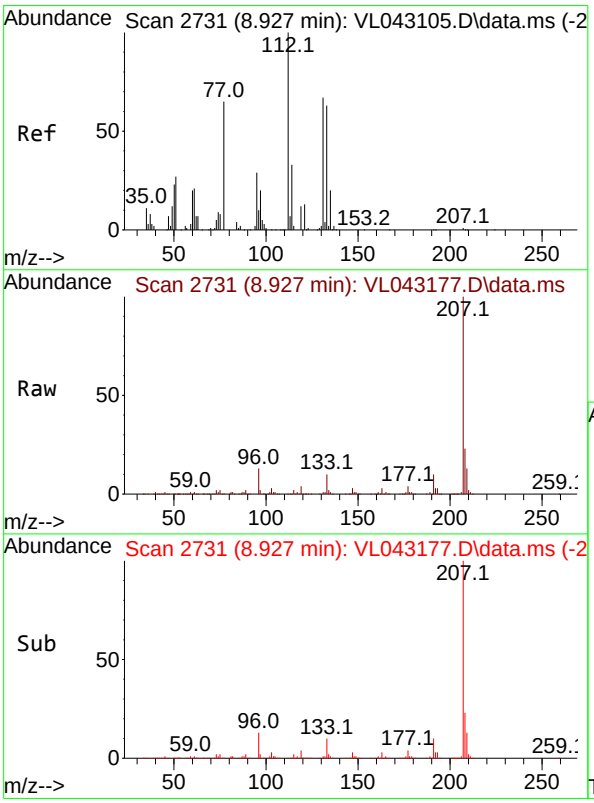
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:117 Resp: 304142

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.8	80.8
119	32.3	25.4	38.0

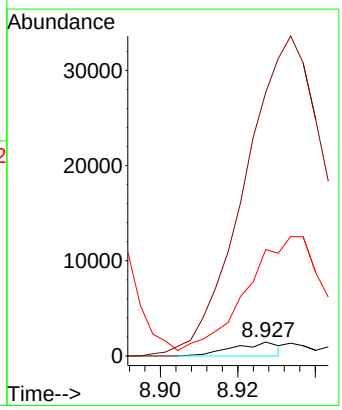


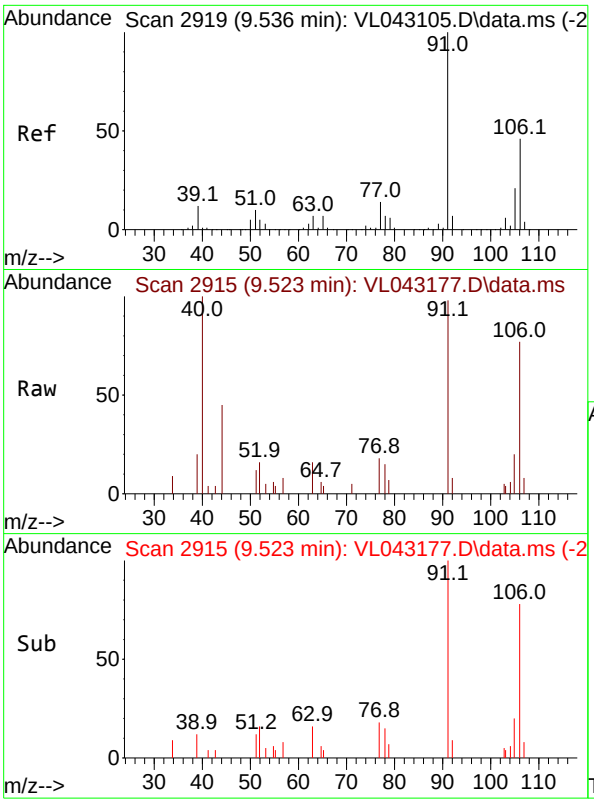


#56
1,1,1,2-Tetrachloroethane
Concen: 0.062 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:131 Resp: 1187

Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.7	113.5#
119	8271.9	50.6	76.0#



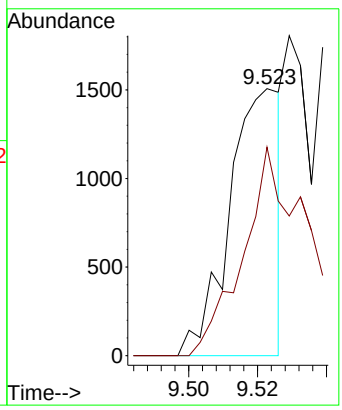


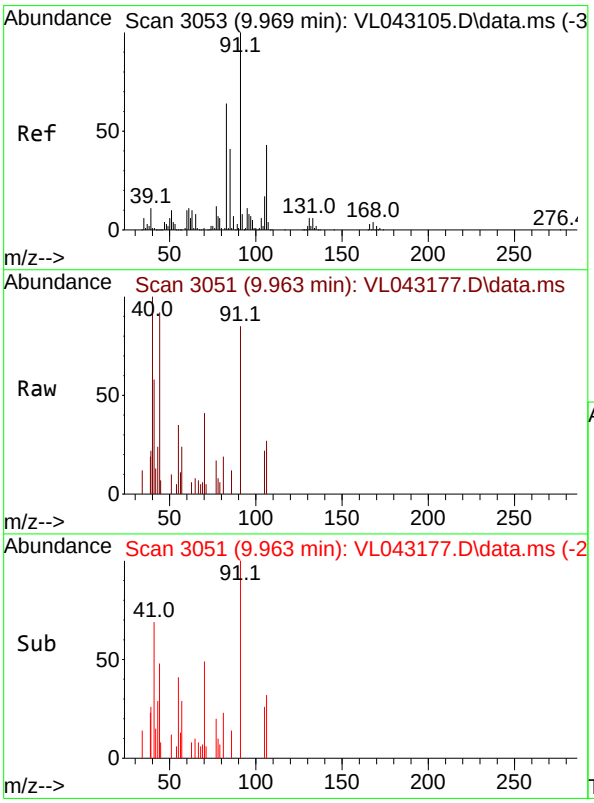
#59
m/p-Xylene
Concen: 0.037 ppbv
RT: 9.523 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 91 Resp: 1545

Ion	Ratio	Lower	Upper
91	100		
106	121.6	38.0	57.0#

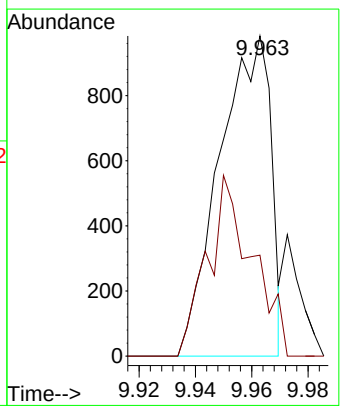


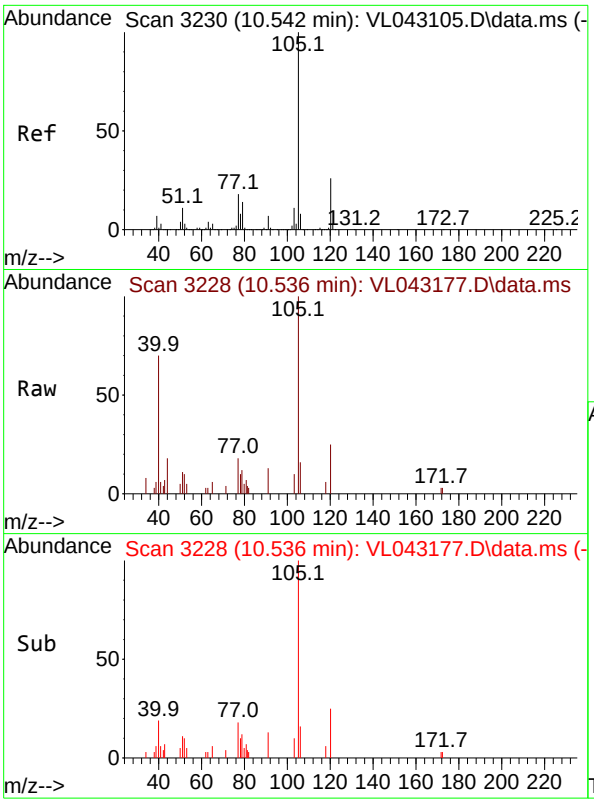


#60
o-Xylene
Concen: 0.030 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 91 Resp: 1244

Ion	Ratio	Lower	Upper
91	100		
106	49.0	21.9	65.8



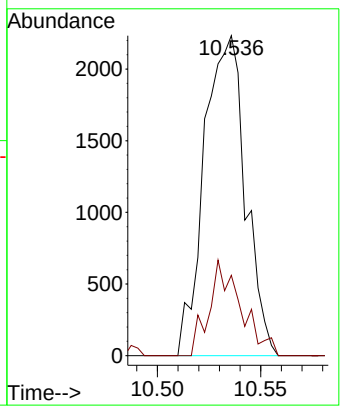


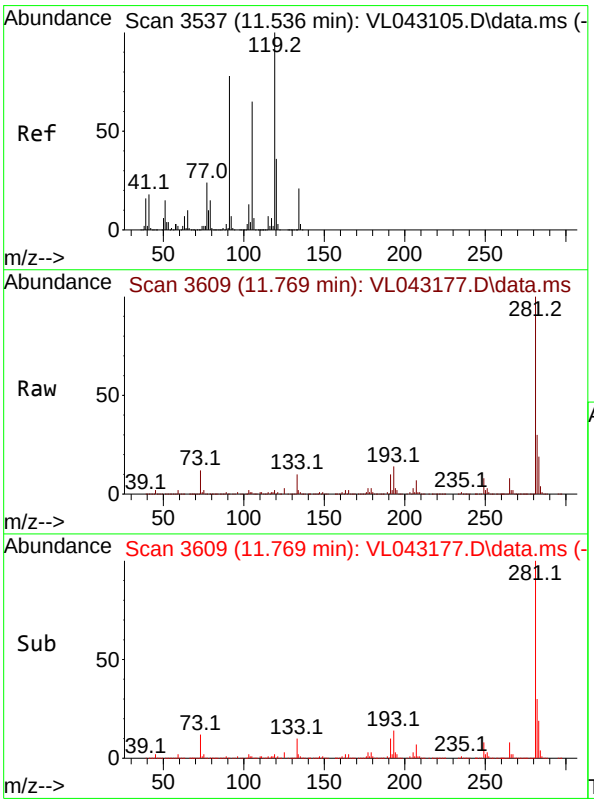
#62
Isopropylbenzene
Concen: 0.042 ppbv
RT: 10.536 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:105 Resp: 3096

Ion	Ratio	Lower	Upper
105	100		
120	23.2	20.2	30.4

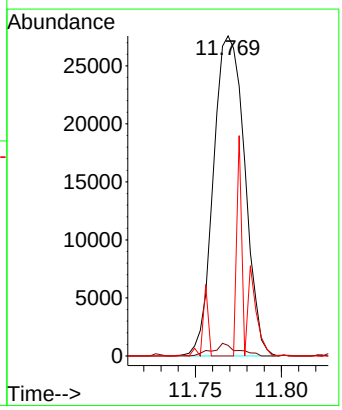


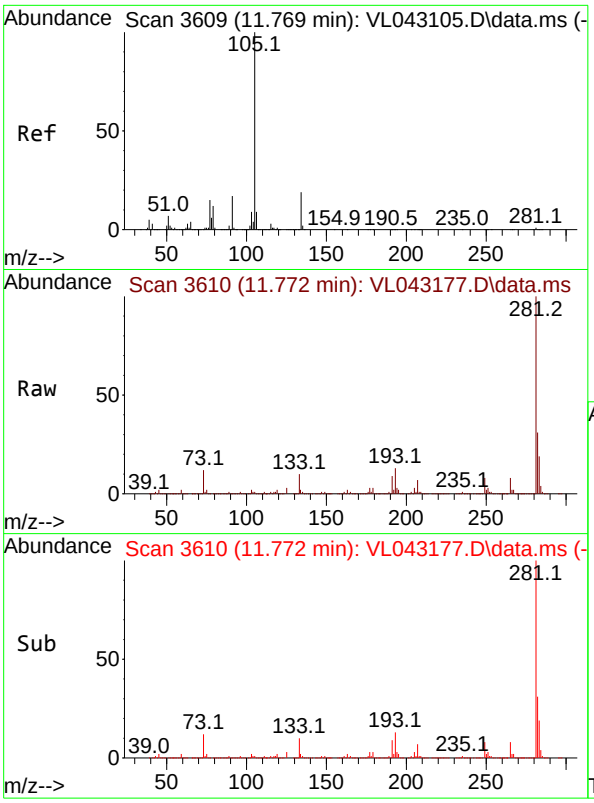


#65
tert-Butylbenzene
Concen: 0.531 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.233 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:119 Resp: 34809

Ion	Ratio	Lower	Upper
119	100		
91	3.3	63.4	95.0#
134	18.4	17.3	25.9



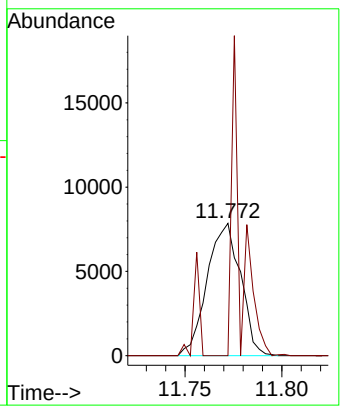


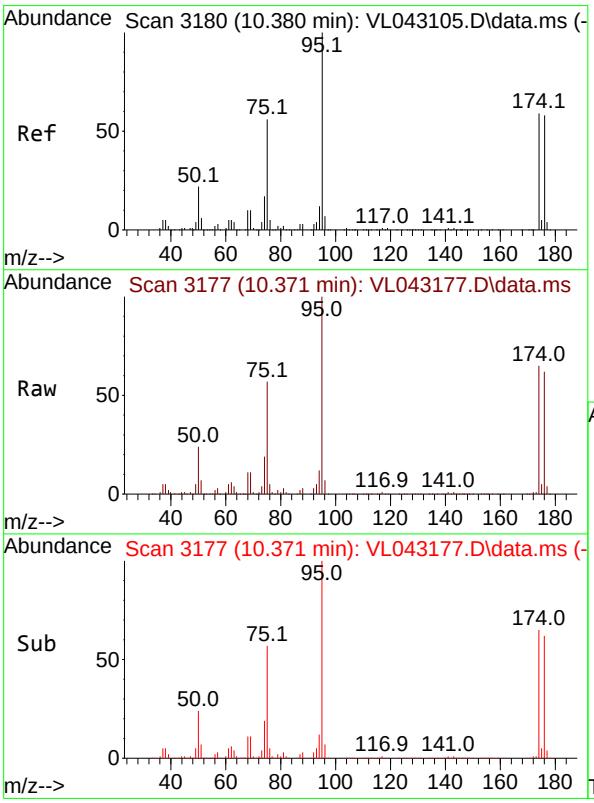
#67
sec-Butylbenzene
Concen: 0.101 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:105 Resp: 9420

Ion	Ratio	Lower	Upper
105	100		
134	81.9	15.5	23.3#

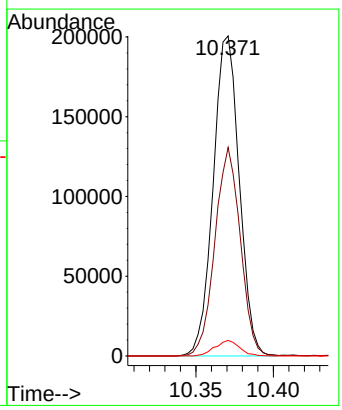


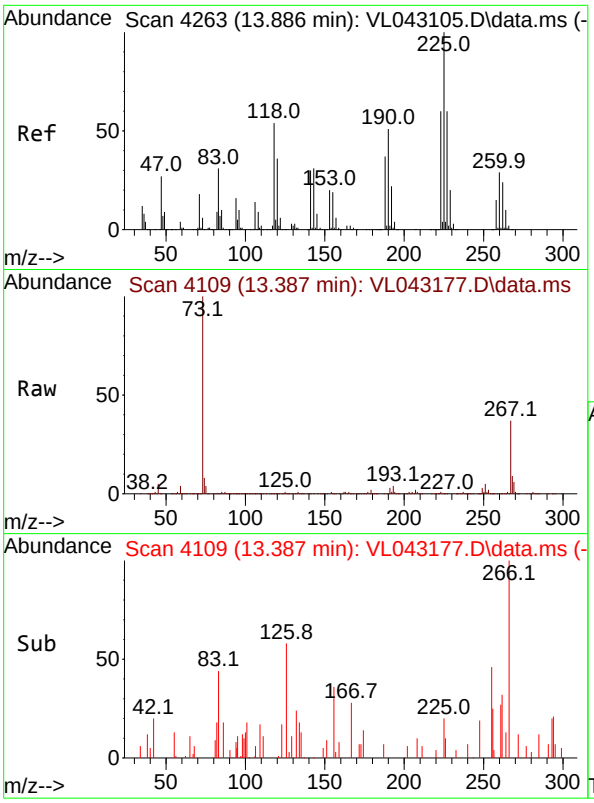


#68
1-Bromo-4-Fluorobenzene
Concen: 9.940 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 95 Resp: 234974

Ion	Ratio	Lower	Upper
95	100		
174	63.6	48.3	72.5
175	4.6	3.8	5.8



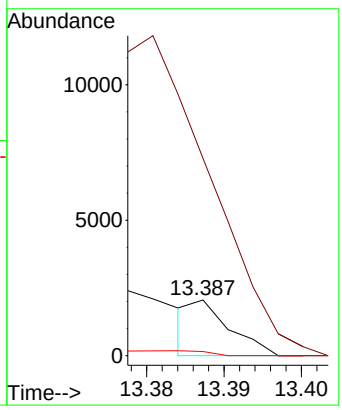


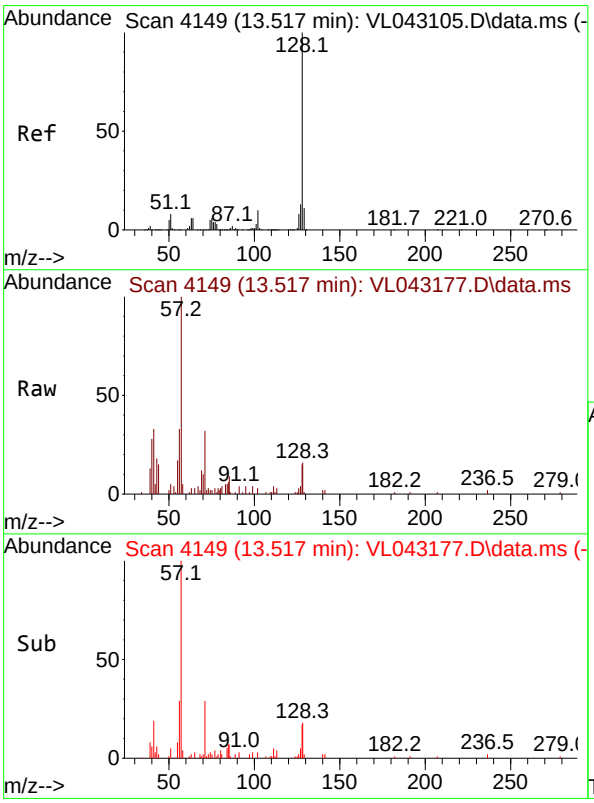
#78
Hexachloro-1,3-Butadiene
Concen: 0.035 ppbv
RT: 13.387 min Scan# 41
Delta R.T. -0.498 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:225 Resp: 704

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	49.6	74.4#





#79
Naphthalene
Concen: 0.052 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:128 Resp: 2556

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	4.6	9.1	13.7#