Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043230.D
Acq On : 19 Nov 2025 00:44
Operator : SY/MD
Sample : Q3651-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Quant Time: Nov 19 03:20:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	94238	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	242243	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	186991	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	141972	10.358	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	723	0.054	ppbv	#	66
3) Chlorodifluoromethane	1.476	51	1466	0.112	ppbv	#	87
4) Chloromethane	1.534	50	2829	0.569	ppbv	#	77
9) Propene	1.486	41	665	0.120	ppbv	#	1
10) Heptane	4.975	43	576	0.035	ppbv	#	28
13) Ethanol	1.722	45	20611	10.560	ppbv		97
15) Acetone	1.835	43	8957	0.684	ppbv		93
16) 1,3-Butadiene	1.602	39	345	0.059	ppbv	#	63
17) tert-Butyl alcohol	2.046	59	1188	0.069	ppbv	#	62
19) Isopropyl Alcohol	1.722	45	20611	2.786	ppbv	#	37
20) Methylene Chloride	2.062	84	5048	0.568	ppbv		82
23) Vinyl Acetate	2.450	43	1373	0.087	ppbv	#	78
25) Ethyl Acetate	2.557	43	51160	1.812	ppbv	#	76
26) Hexane	2.826	57	1760	0.142	ppbv	#	55
27) Carbon Disulfide	2.152	76	617	0.049	ppbv	#	61
28) Methyl tert-Butyl Ether	2.554	73	497	0.082	ppbv	#	1
29) Chloroform	2.845	83	652	0.037	ppbv		86
34) 2-Butanone	2.557	43	51160	2.992	ppbv		98
39) 1,2-Dichloropropane	3.955	63	66436	7.824	ppbv	#	24
53) Toluene	6.927	91	162410	5.912	ppbv		100
60) o-Xylene	9.956	91	1187	0.041	ppbv	#	34

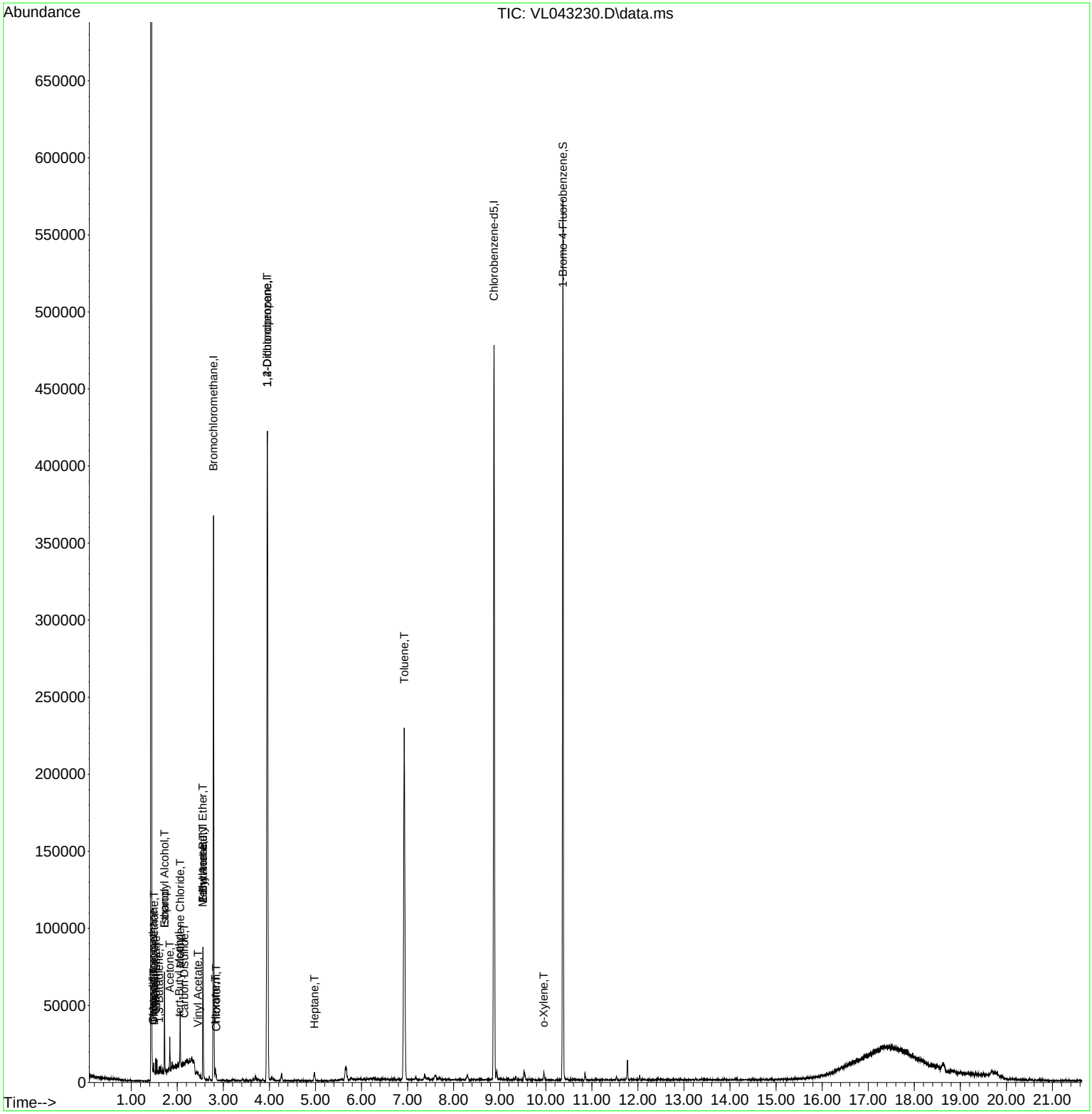
(#) = qualifier out of range (m) = manual integration (+) = signals summed

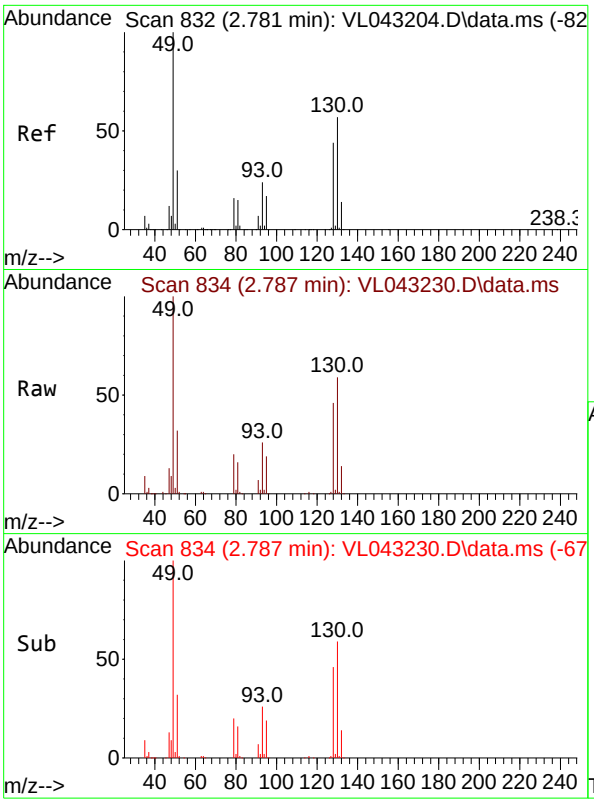
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043230.D
Acq On : 19 Nov 2025 00:44
Operator : SY/MD
Sample : Q3651-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Quant Time: Nov 19 03:20:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



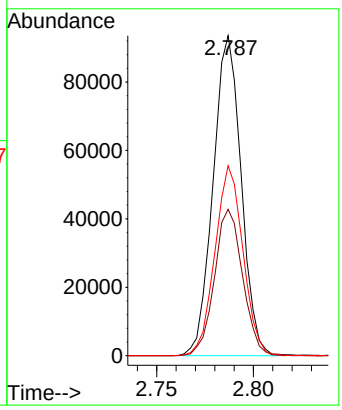


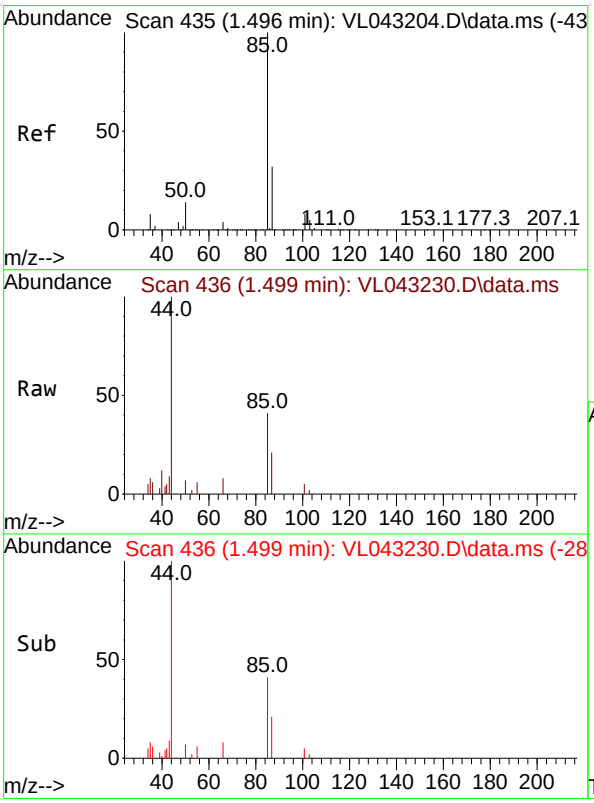
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 49 Resp: 94238

Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.0	69.0
130	59.3	29.9	89.7

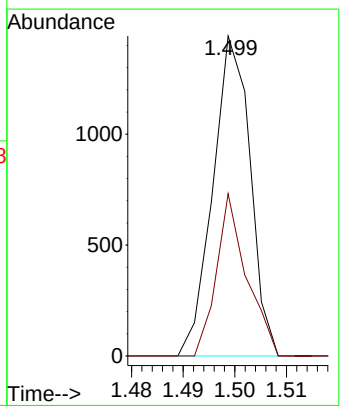


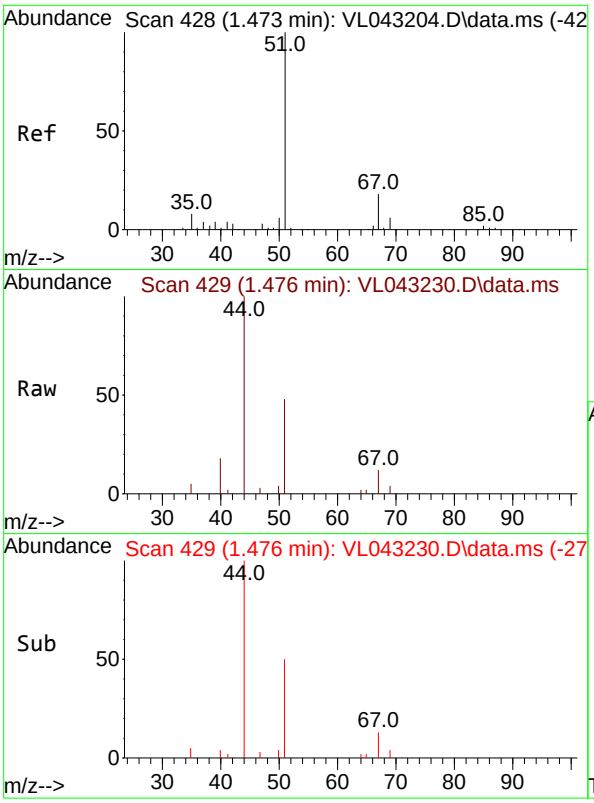


#2
Dichlorodifluoromethane
Concen: 0.054 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 85 Resp: 723

Ion	Ratio	Lower	Upper
85	100		
87	50.7	25.4	38.2#



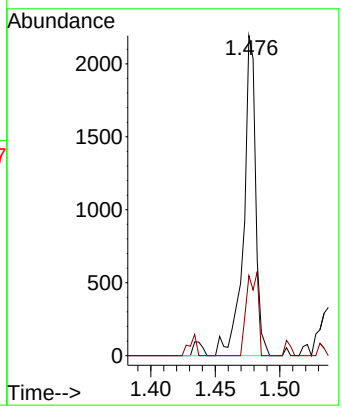


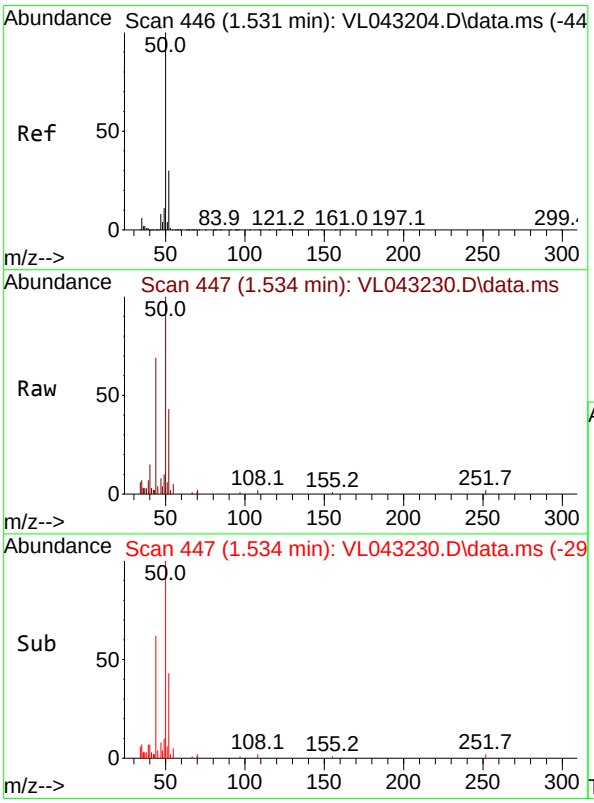
#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 51 Resp: 1466

Ion	Ratio	Lower	Upper
51	100		
67	24.4	14.9	22.3#

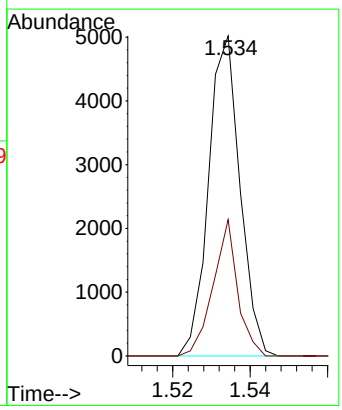


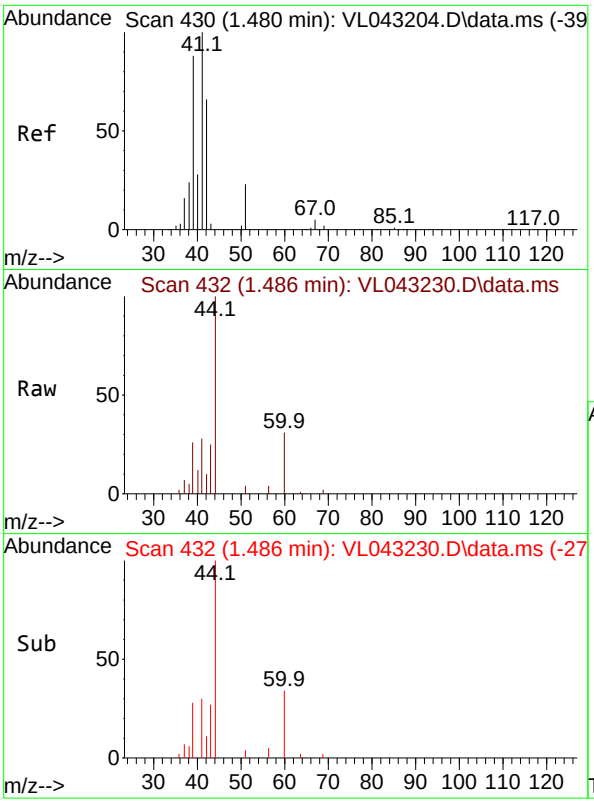


#4
Chloromethane
Concen: 0.569 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 50 Resp: 2829

Ion	Ratio	Lower	Upper
50	100		
52	42.6	24.1	36.1#



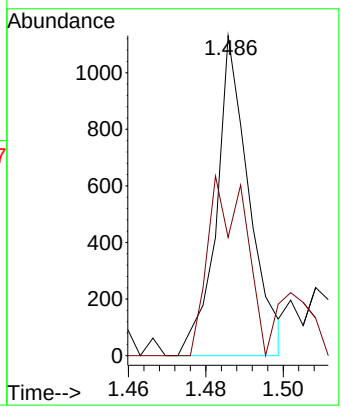


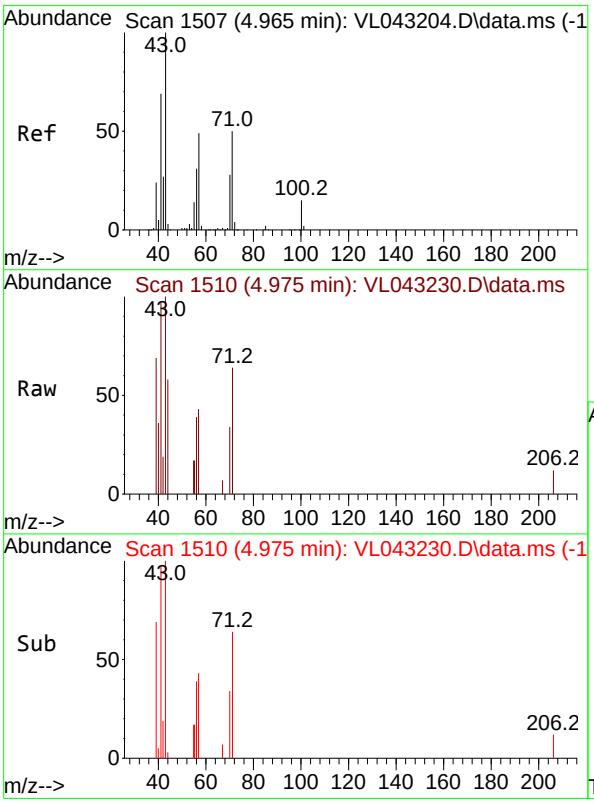
#9
Propene
Concen: 0.120 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 41 Resp: 665

Ion	Ratio	Lower	Upper
41	100		
42	63.9	3.7	5.5#

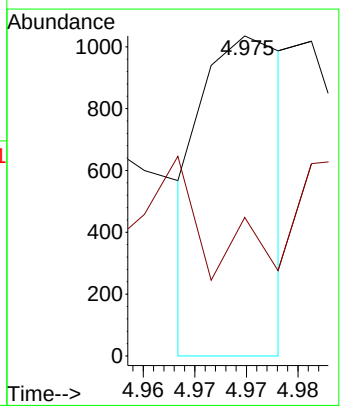


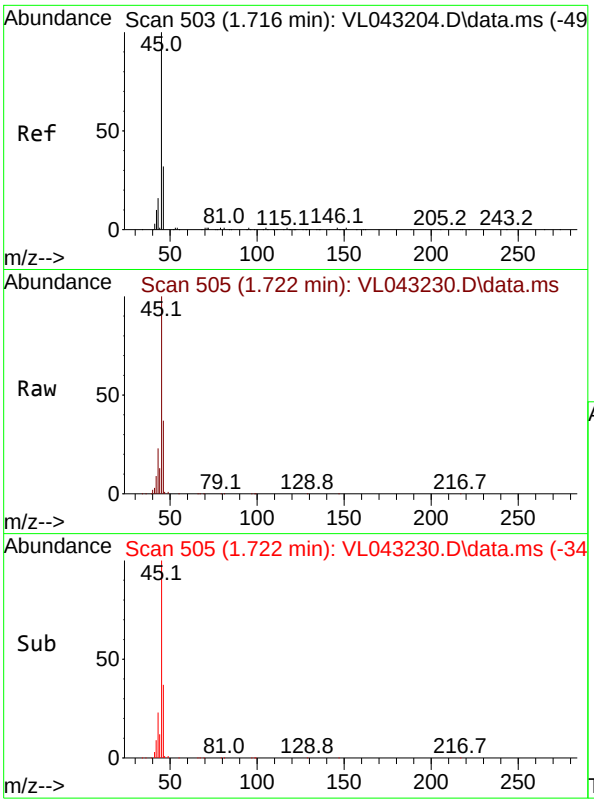


#10
Heptane
Concen: 0.035 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.009 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 43 Resp: 576

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#



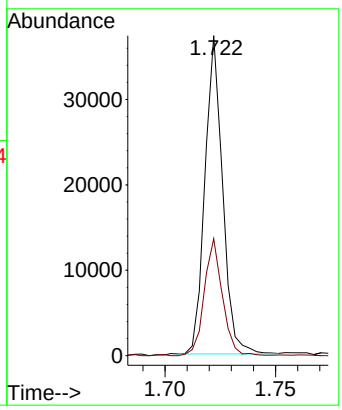


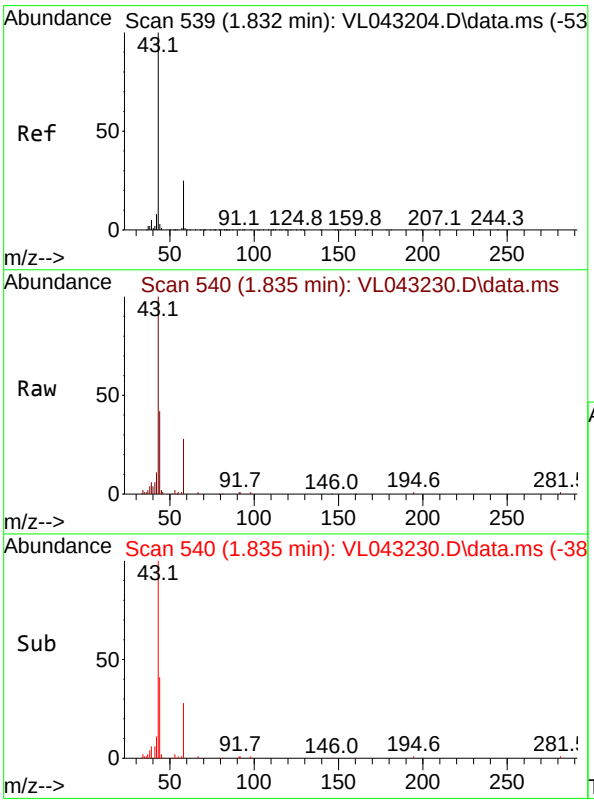
#13
Ethanol
Concen: 10.560 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 45 Resp: 20611

Ion	Ratio	Lower	Upper
45	100		
46	39.0	15.0	59.8

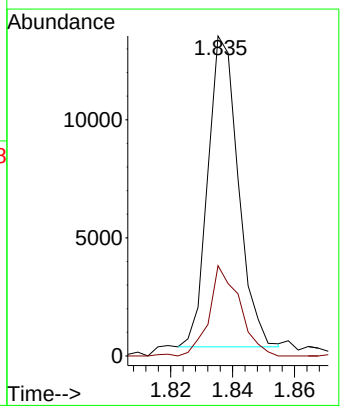


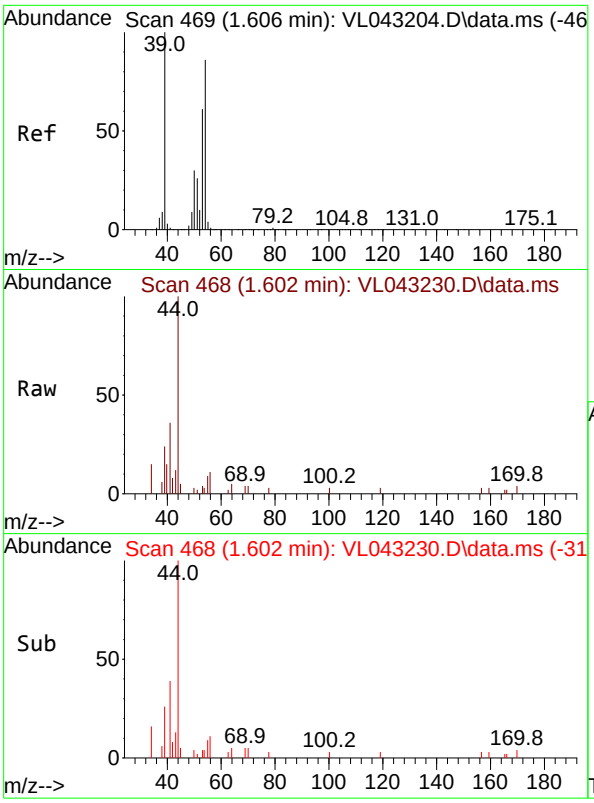


#15
Acetone
Concen: 0.684 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 43 Resp: 8957

Ion	Ratio	Lower	Upper
43	100		
58	29.7	20.7	31.1



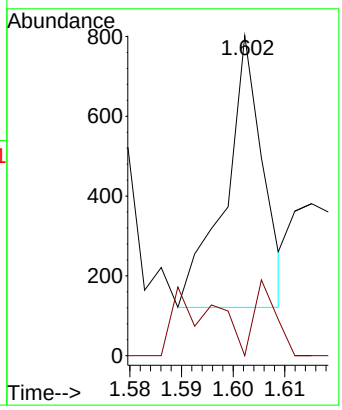


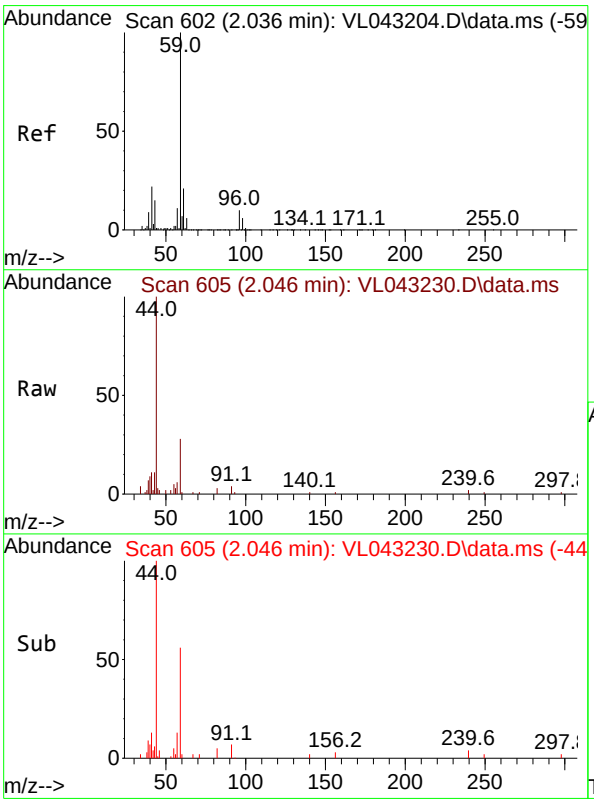
#16
1,3-Butadiene
Concen: 0.059 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 39 Resp: 345

Ion	Ratio	Lower	Upper
39	100		
54	43.2	59.4	89.2#

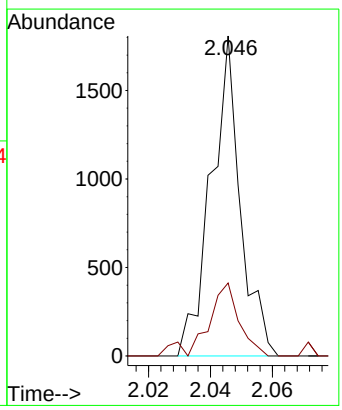


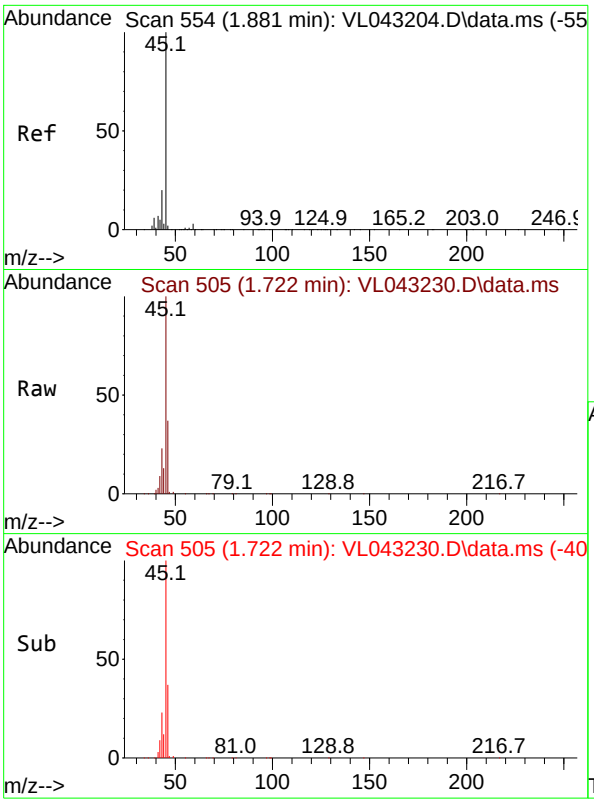


#17
tert-Butyl alcohol
Concen: 0.069 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.009 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 59 Resp: 1188

Ion	Ratio	Lower	Upper
59	100		
57	25.8	9.0	13.4#



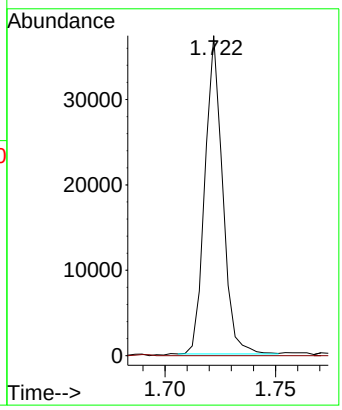


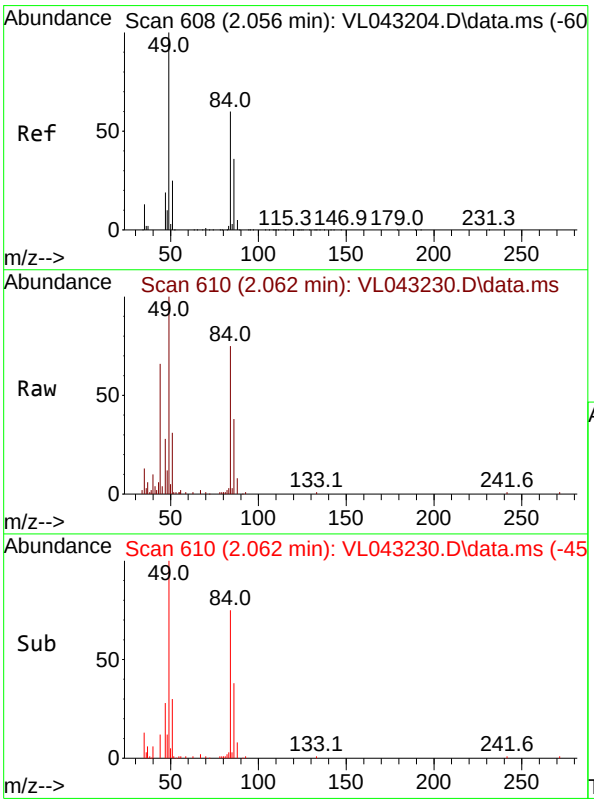
#19
Isopropyl Alcohol
Concen: 2.786 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. -0.159 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 45 Resp: 20611

Ion	Ratio	Lower	Upper
45	100		
58	0.6	31.3	46.9#

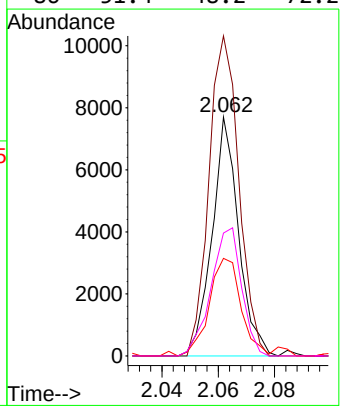


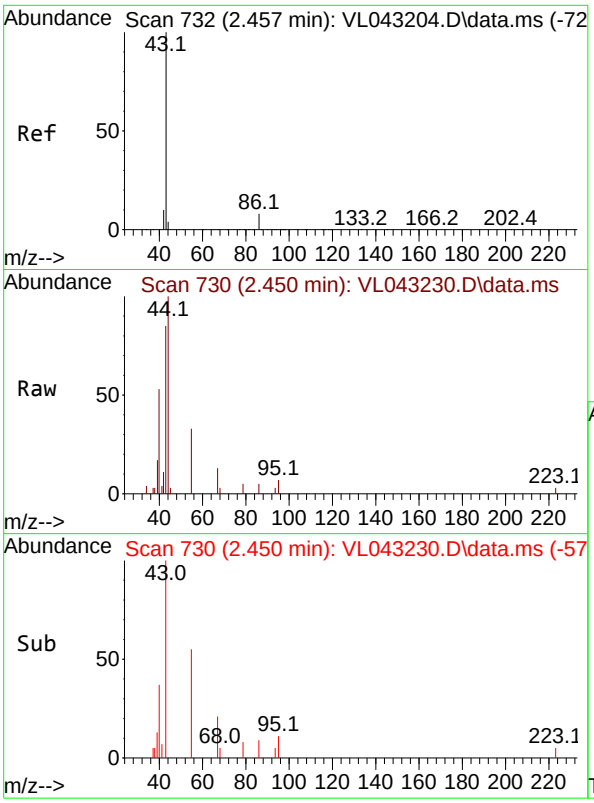


#20
Methylene Chloride
Concen: 0.568 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 84 Resp: 5048

Ion	Ratio	Lower	Upper
84	100		
49	133.9	132.9	199.3
51	42.1	34.8	52.2
86	51.4	48.2	72.2



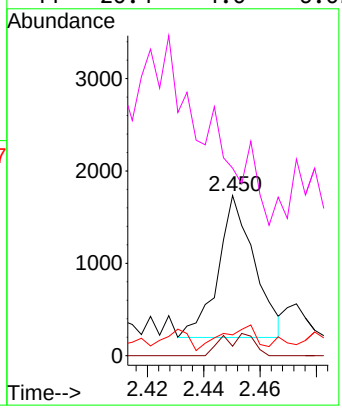


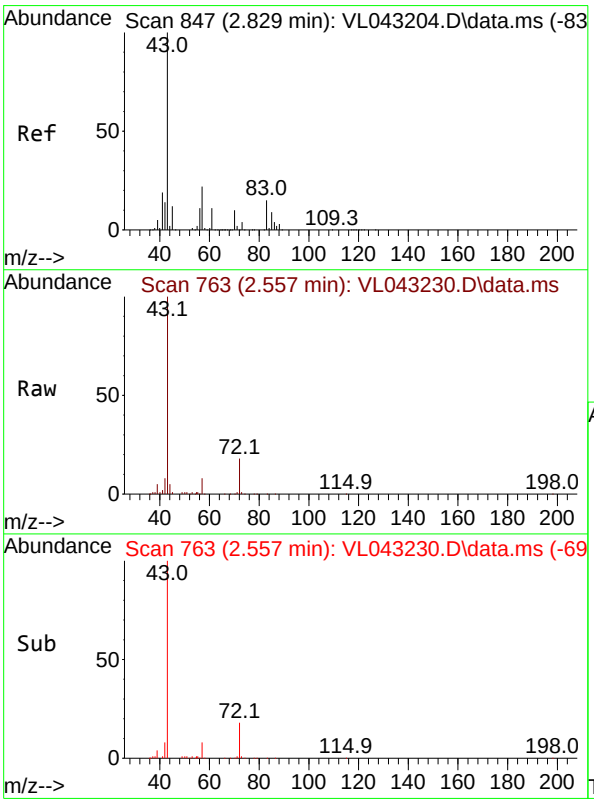
#23
Vinyl Acetate
Concen: 0.087 ppbv
RT: 2.450 min Scan# 7
Delta R.T. -0.007 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 43 Resp: 1373

Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.2	9.2
42	1.3	8.0	12.0#
44	20.4	4.0	6.0#

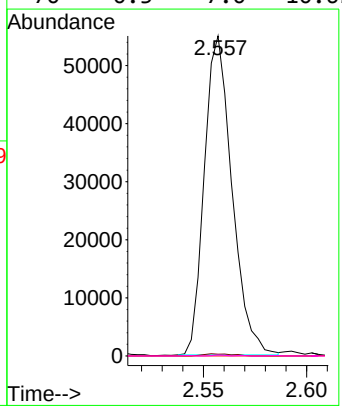


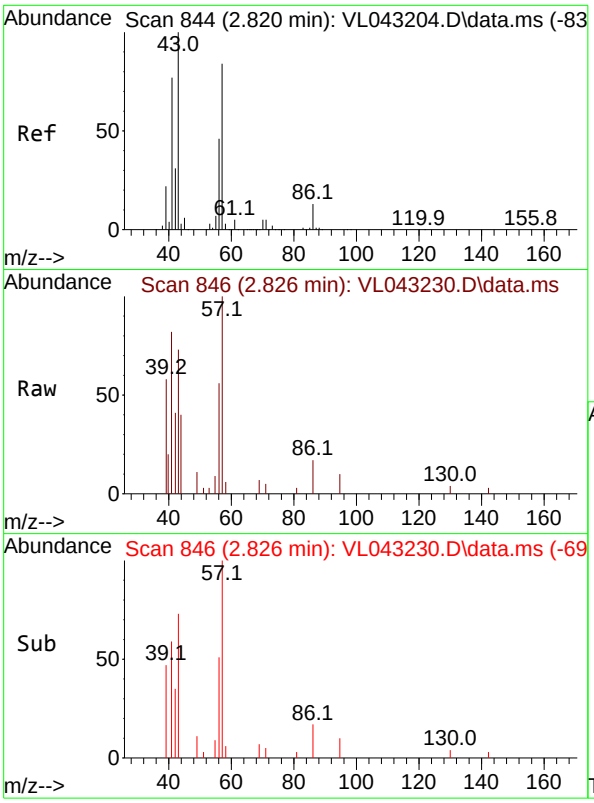


#25
Ethyl Acetate
Concen: 1.812 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.272 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 43 Resp: 51160

Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.1	12.1#
61	0.0	7.0	10.4#
70	0.3	7.0	10.6#



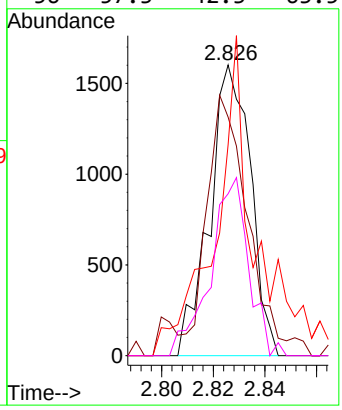


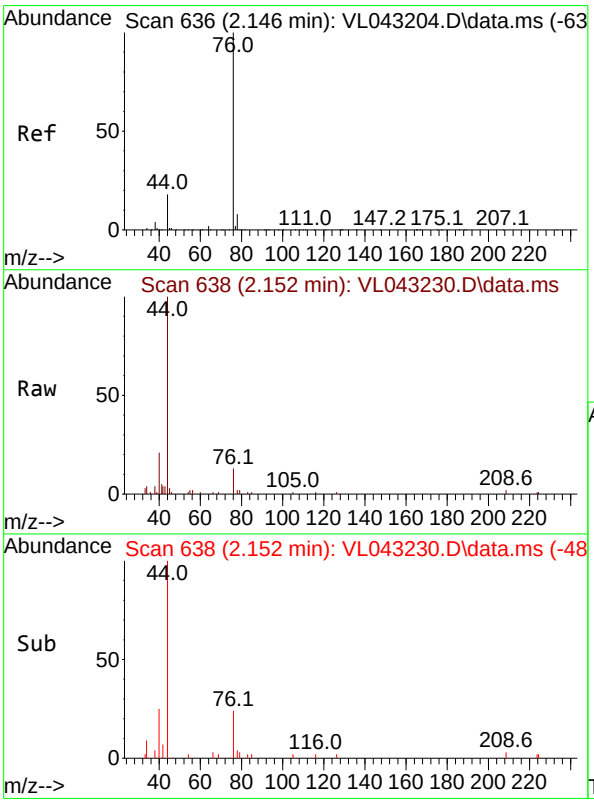
#26
Hexane
Concen: 0.142 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 57 Resp: 1760

Ion	Ratio	Lower	Upper
57	100		
41	101.3	74.6	111.8
43	111.3	179.0	268.4#
56	57.3	42.3	63.5

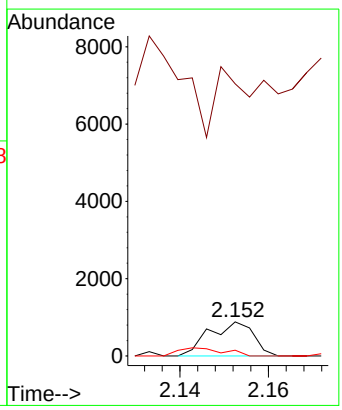


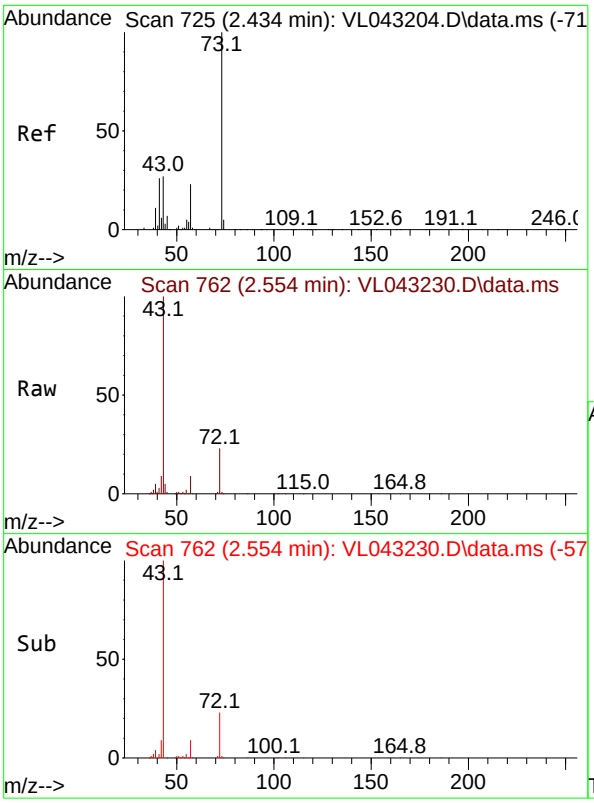


#27
Carbon Disulfide
Concen: 0.049 ppbv
RT: 2.152 min Scan# 638
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 76 Resp: 617

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.1	24.1#
78	24.3	9.6	14.4#



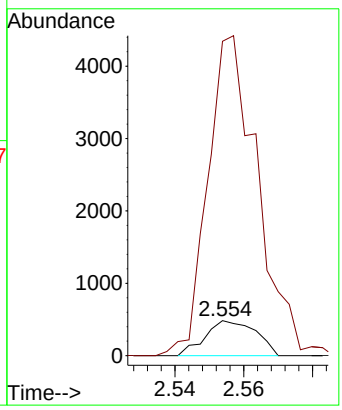


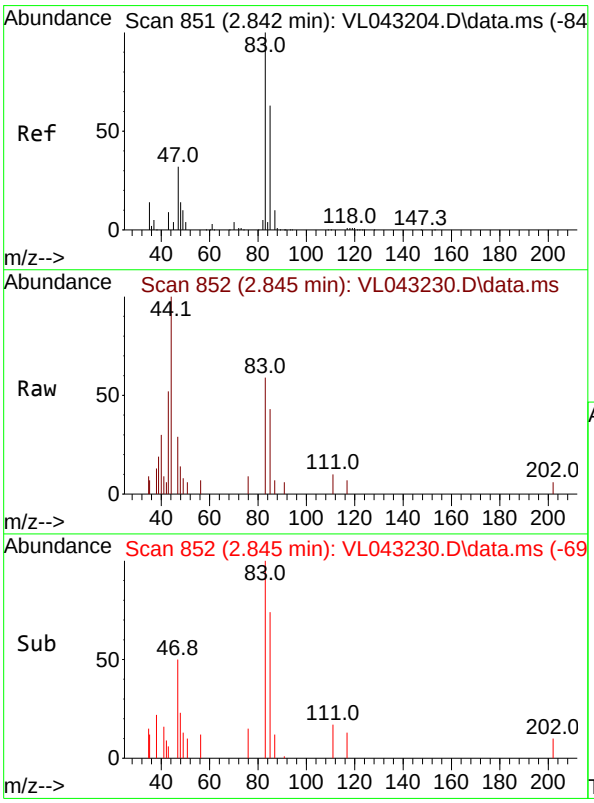
#28
Methyl tert-Butyl Ether
Concen: 0.082 ppbv
RT: 2.554 min Scan# 7(
Delta R.T. 0.119 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 73 Resp: 497

Ion	Ratio	Lower	Upper
73	100		
57	933.6	19.8	29.8#

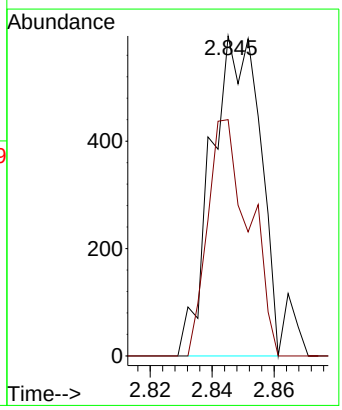


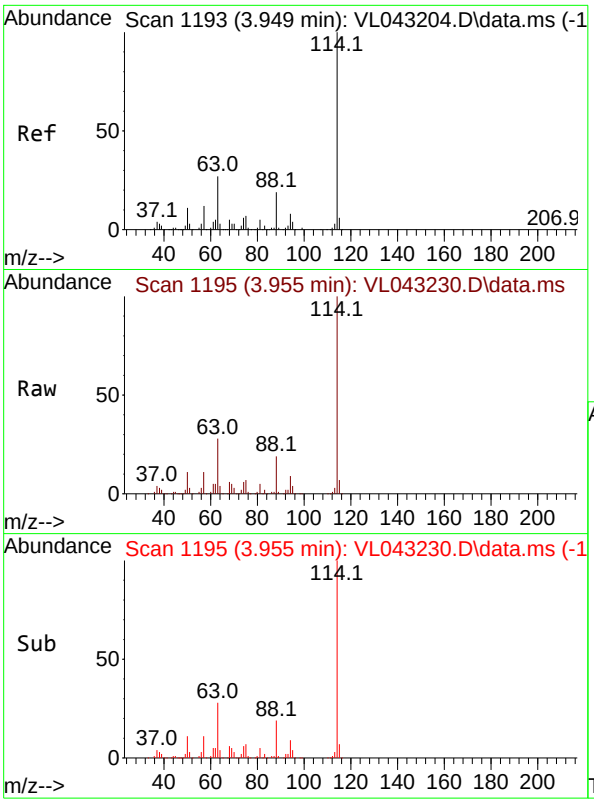


#29
Chloroform
Concen: 0.037 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 83 Resp: 652

Ion	Ratio	Lower	Upper
83	100		
85	73.8	50.5	75.7



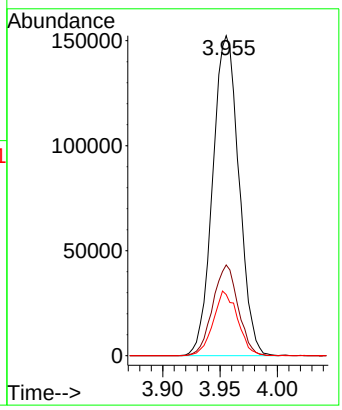


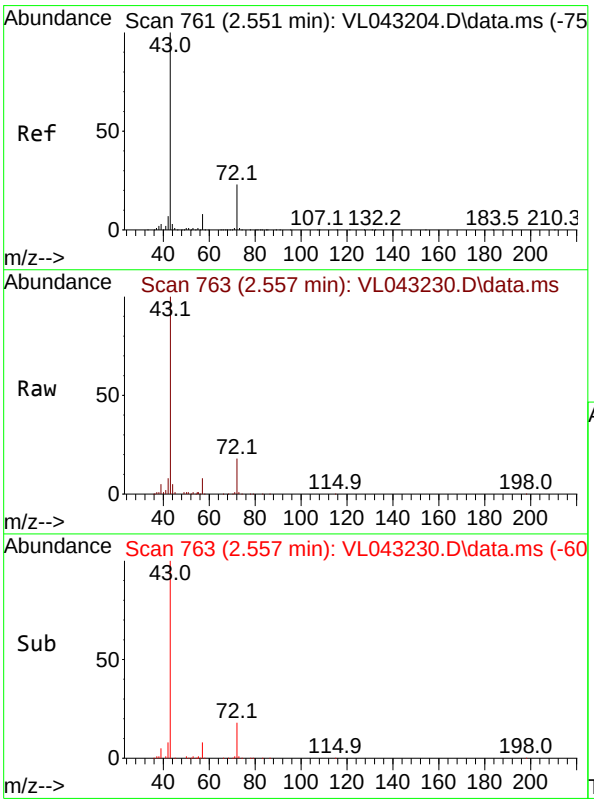
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion:114 Resp: 242243

Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.0	31.6
88	18.8	14.9	22.3

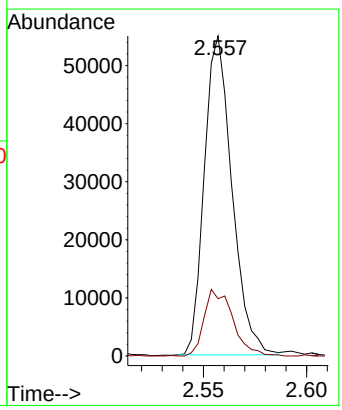


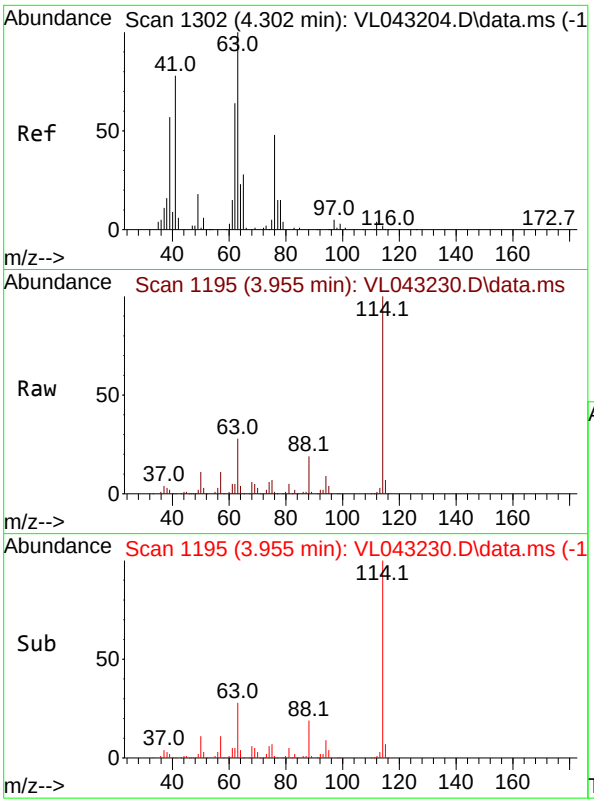


#34
2-Butanone
Concen: 2.992 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 43 Resp: 51160

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.1	27.1



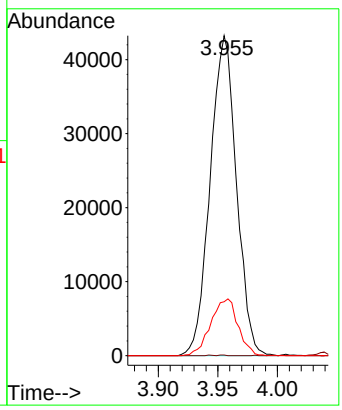


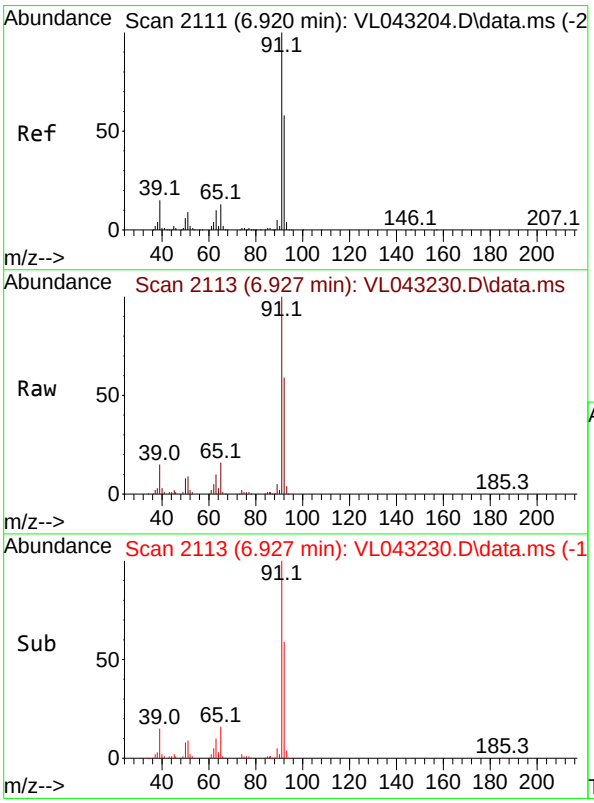
#39
1,2-Dichloropropane
Concen: 7.824 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.347 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 63 Resp: 66436

Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.6	93.8#
62	16.8	51.0	76.6#

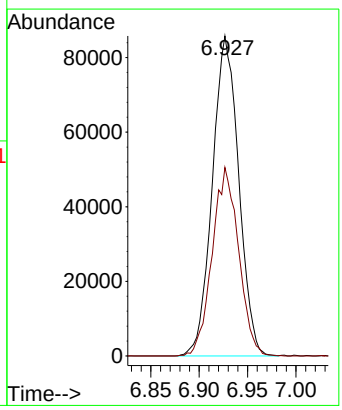


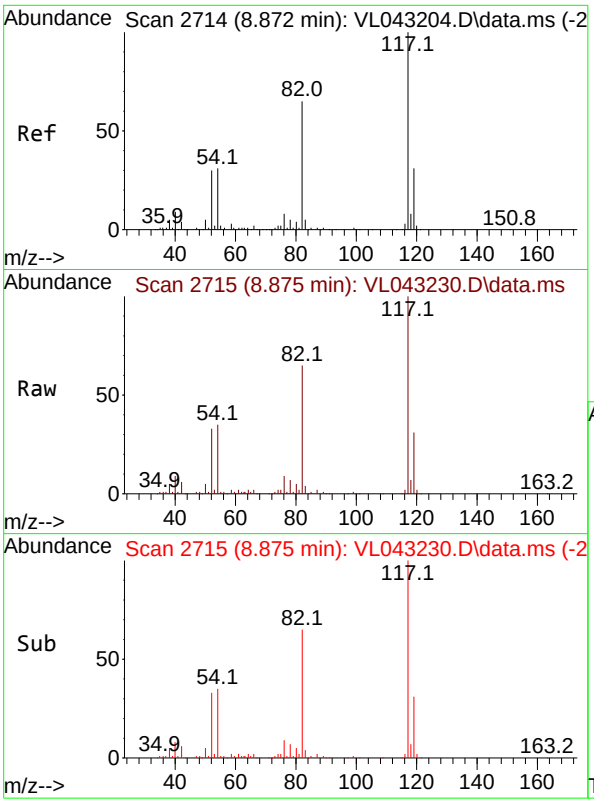


#53
Toluene
Concen: 5.912 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 91 Resp: 162410

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.0



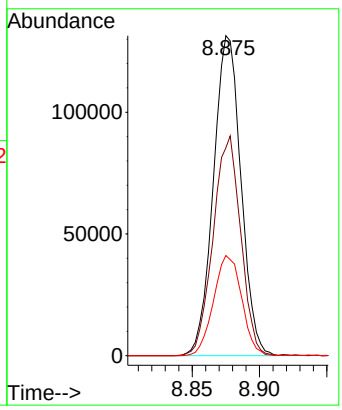


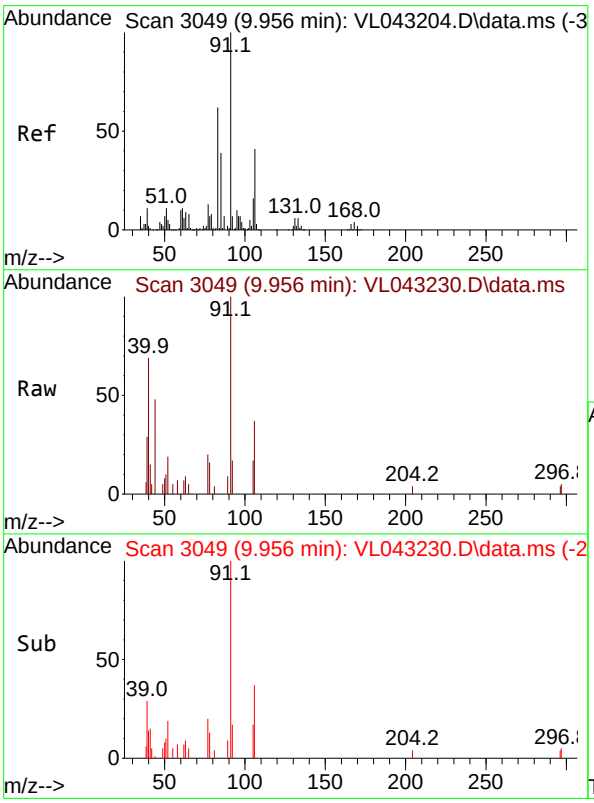
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion:117 Resp: 186991

Ion	Ratio	Lower	Upper
117	100		
82	68.7	56.1	84.1
119	32.0	25.0	37.6

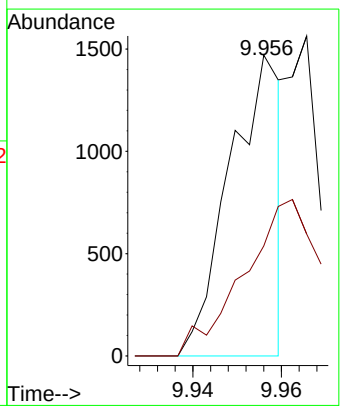


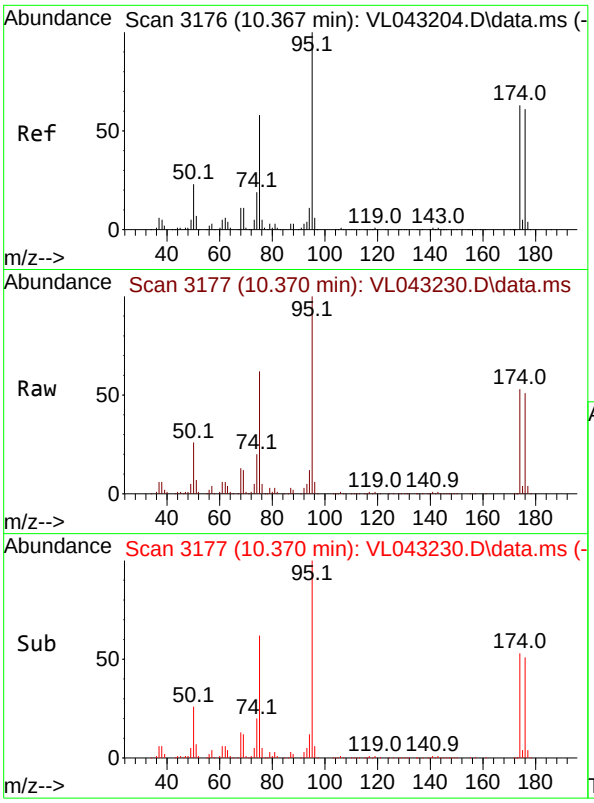


#60
o-Xylene
Concen: 0.041 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Tgt Ion: 91 Resp: 1187

Ion	Ratio	Lower	Upper
91	100		
106	0.0	20.9	62.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 10.370 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043230.D
Acq: 19 Nov 2025 00:44

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 95 Resp: 141972

Ion	Ratio	Lower	Upper
95	100		
174	57.4	50.2	75.2
175	4.4	4.1	6.1