Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
Data File : VL039691.D
Acq On : 4 Oct 2022 21:38
Operator : SY/AP
Sample : N4955-13 LOD 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Quant Time: Oct 05 04:42:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.211	49	955159	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.664	114	2487905	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.475	117	2170625	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.783	95	1600823	9.879	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.703	51	8212	0.072	ppbv		97
4) Chloromethane	2.845	50	5093	0.074	ppbv		89
13) Ethanol	3.256	45	2400	0.608	ppbv	#	23
15) Acetone	3.497	43	35902	0.338	ppbv		92
20) Methylene Chloride	3.954	84	131148	2.669	ppbv		96
25) Ethyl Acetate	5.230	43	78394	0.338	ppbv	#	77
26) Hexane	5.234	57	109405	1.112	ppbv	#	38
39) 1,2-Dichloropropane	6.664	63	601145	8.185	ppbv	#	25

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

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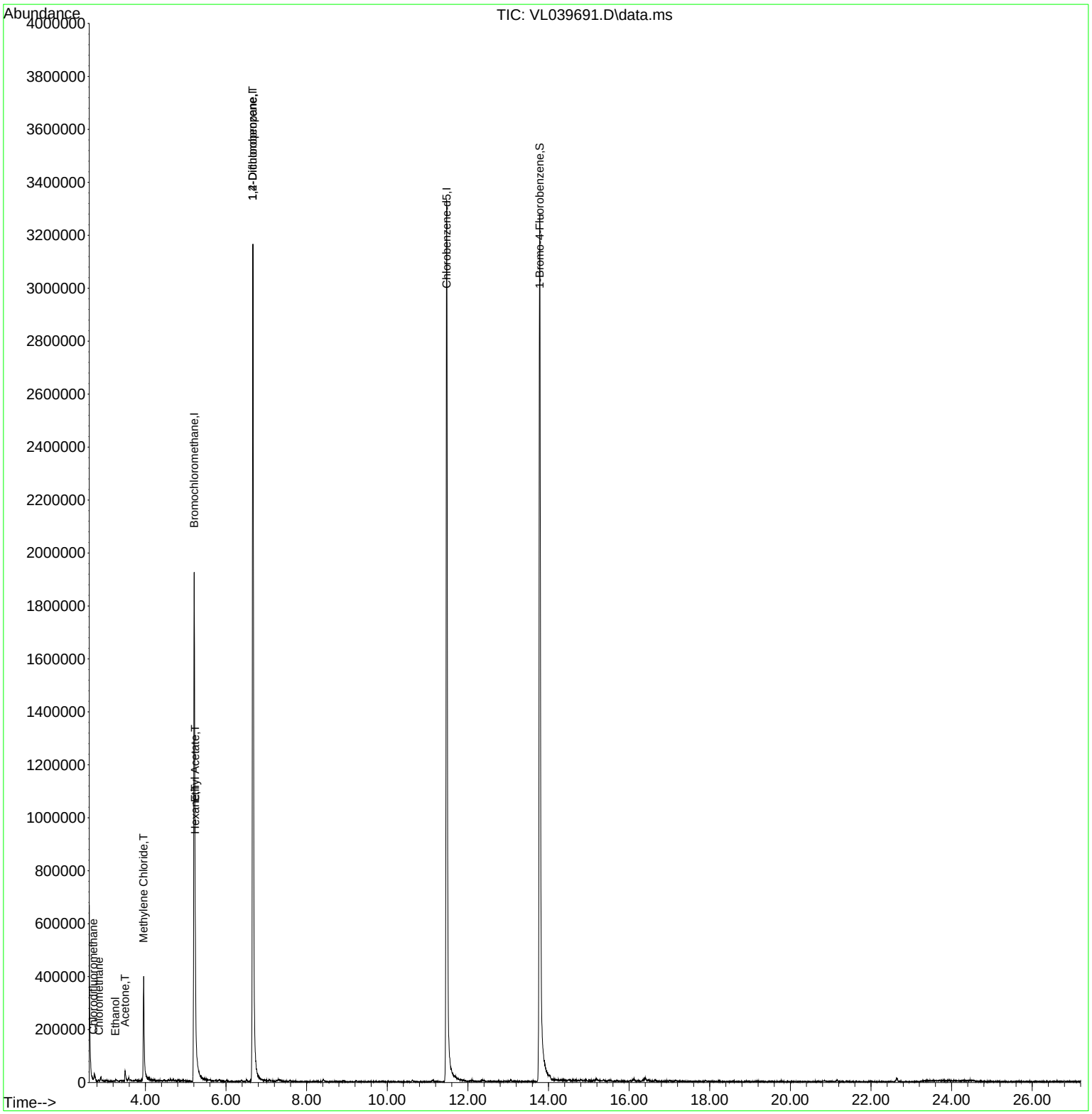
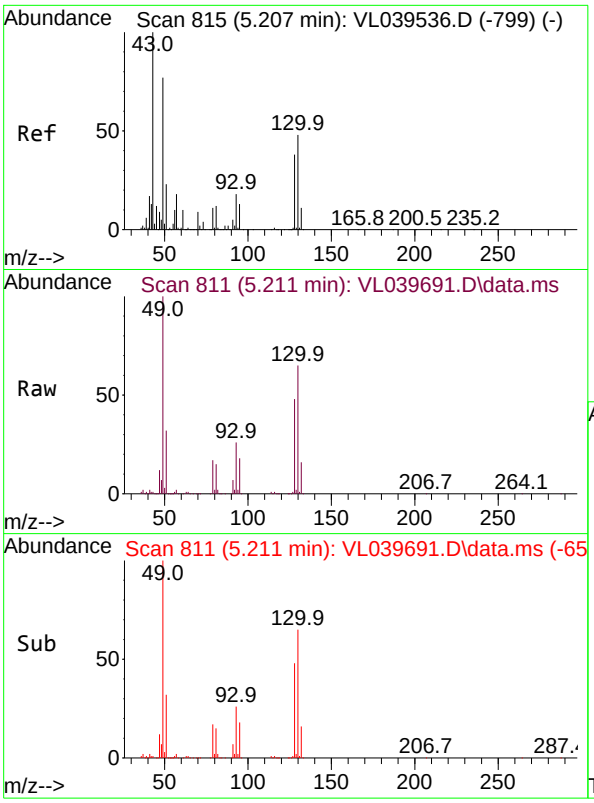


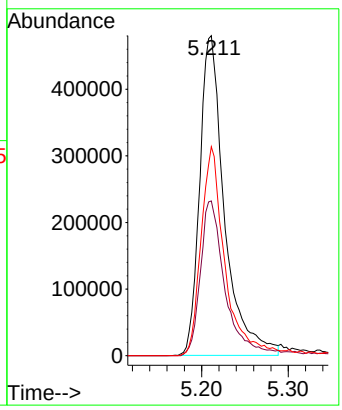


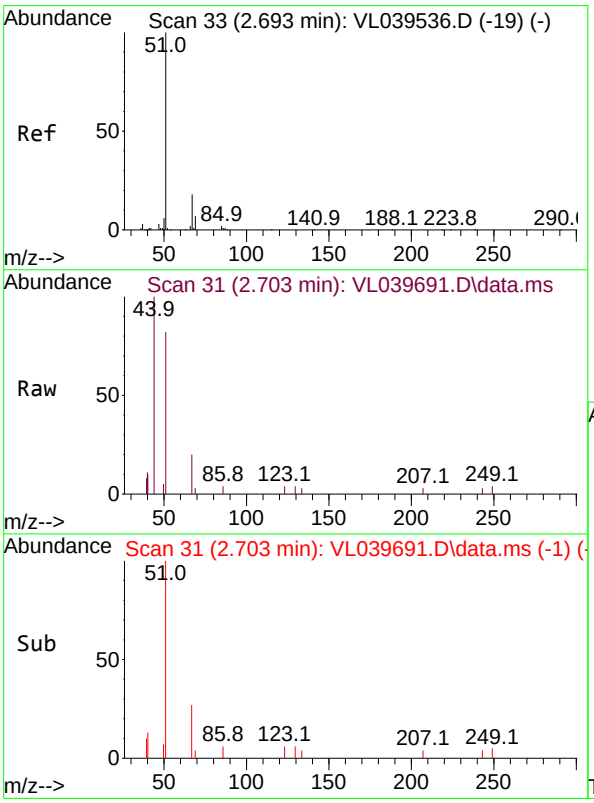
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 8
Delta R.T. 0.004 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 49 Resp: 955159

Ion	Ratio	Lower	Upper
49	100		
128	50.3	26.7	80.0
130	65.3	34.3	102.8

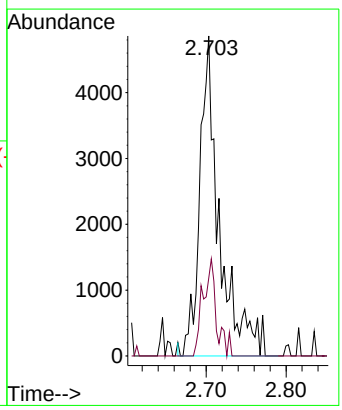


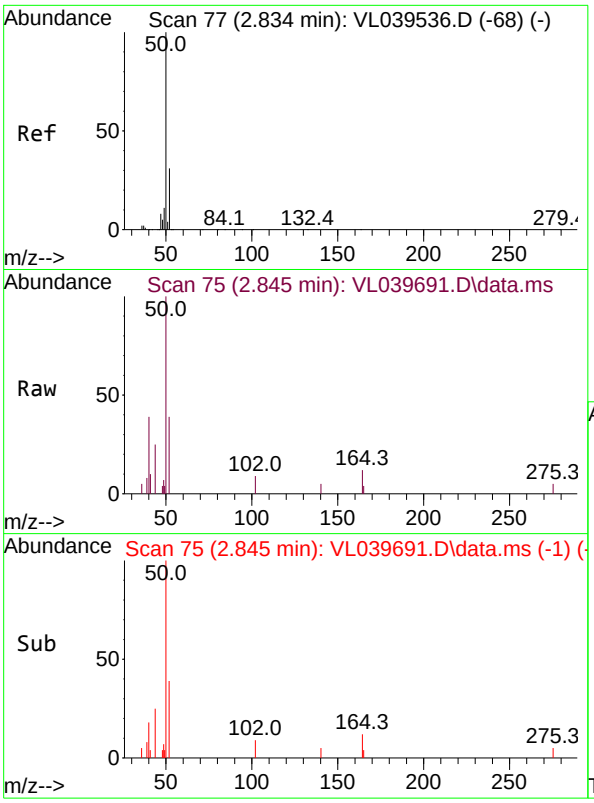


#3
Chlorodifluoromethane
Concen: 0.072 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Tgt Ion: 51 Resp: 8212

Ion	Ratio	Lower	Upper
51	100		
67	21.0	15.7	23.5



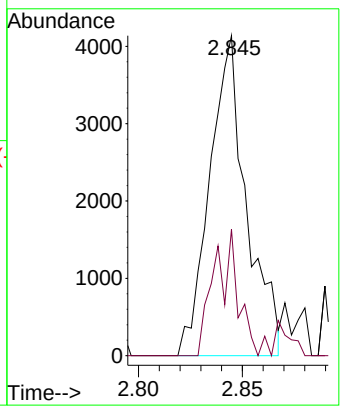


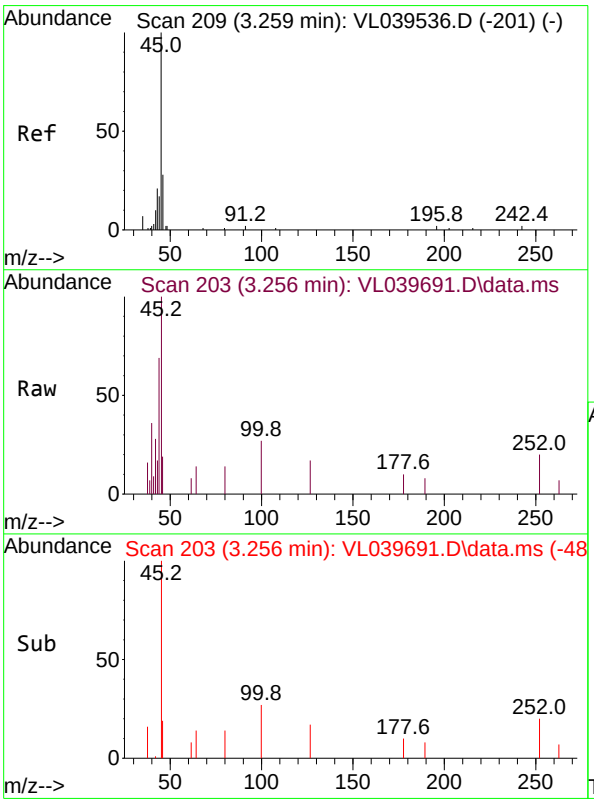
#4
Chloromethane
Concen: 0.074 ppbv
RT: 2.845 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 50 Resp: 5093

Ion	Ratio	Lower	Upper
50	100		
52	39.5	26.5	39.7

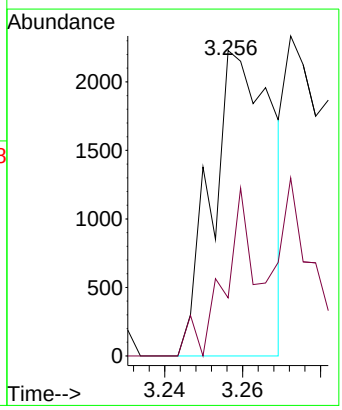


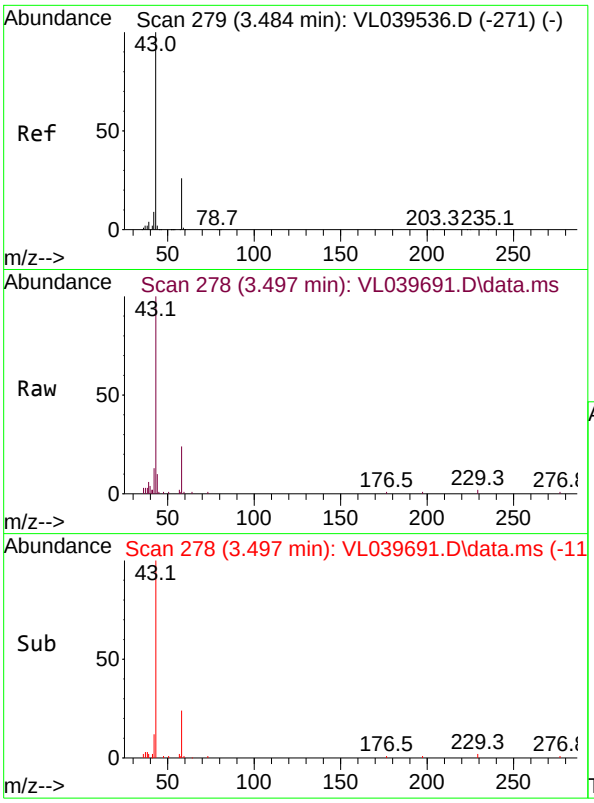


#13
Ethanol
Concen: 0.608 ppbv
RT: 3.256 min Scan# 203
Delta R.T. -0.002 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Tgt Ion: 45 Resp: 2400

Ion	Ratio	Lower	Upper
45	100		
46	0.0	22.8	91.2#



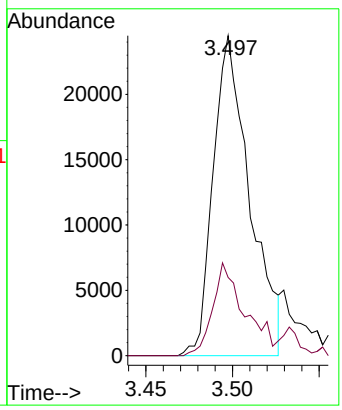


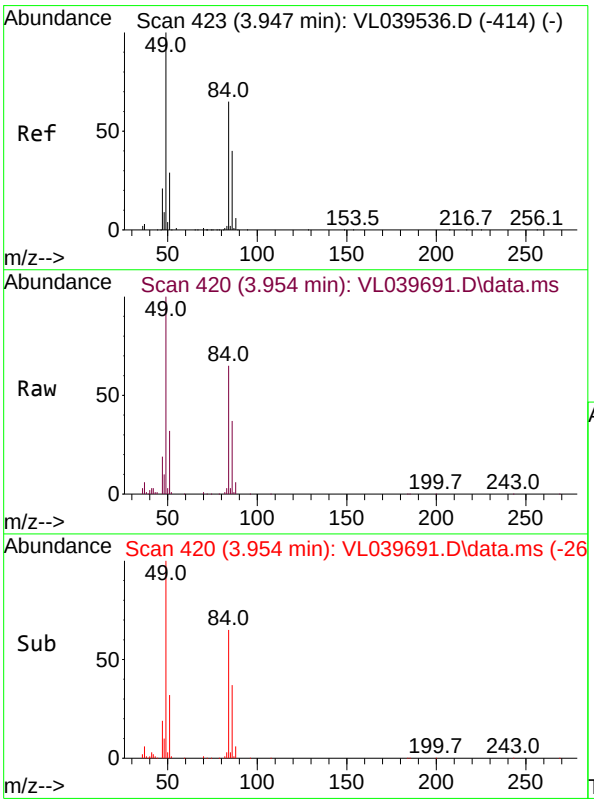
#15
Acetone
Concen: 0.338 ppbv
RT: 3.497 min Scan# 2
Delta R.T. 0.014 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 43 Resp: 35902

Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.0	31.6

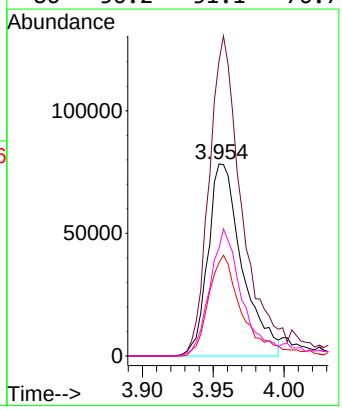


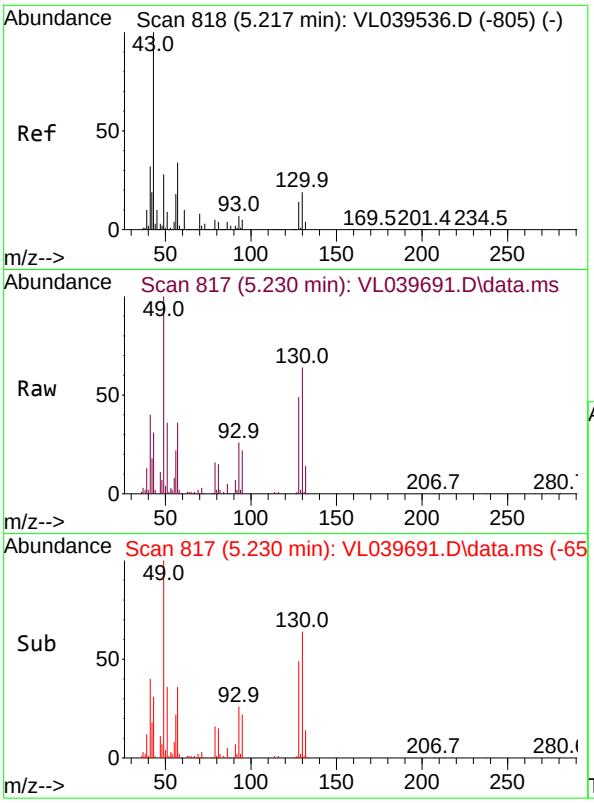


#20
Methylene Chloride
Concen: 2.669 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.007 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Tgt Ion: 84 Resp: 131148

Ion	Ratio	Lower	Upper
84	100		
49	153.1	123.1	184.7
51	48.7	34.4	51.6
86	56.2	51.1	76.7



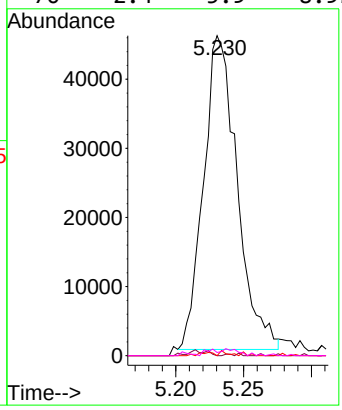


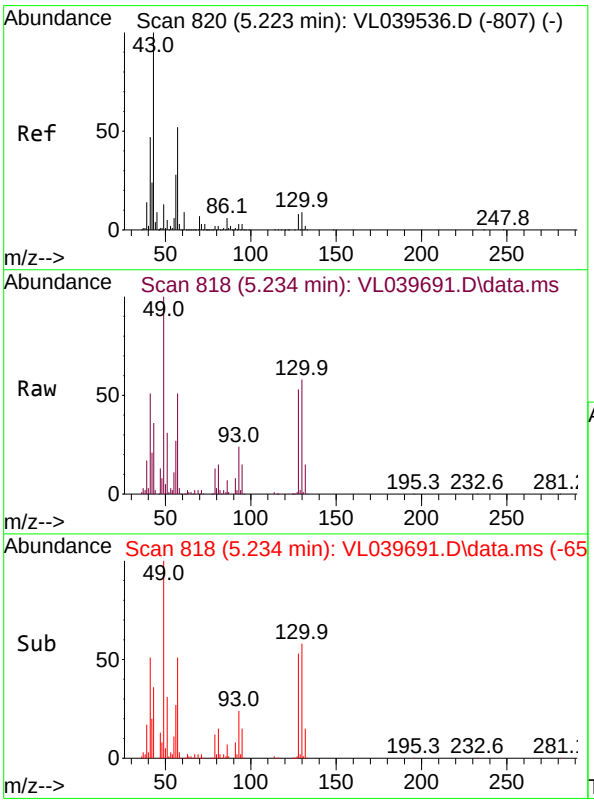
#25
Ethyl Acetate
Concen: 0.338 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.014 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 43 Resp: 78394

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.4#
61	0.4	8.3	12.5#
70	2.4	5.9	8.9#

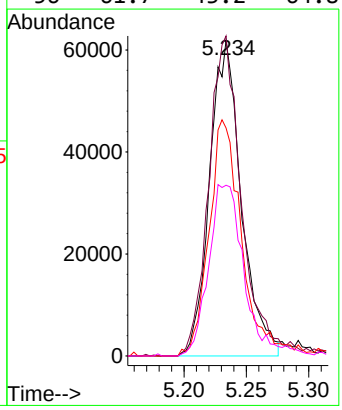


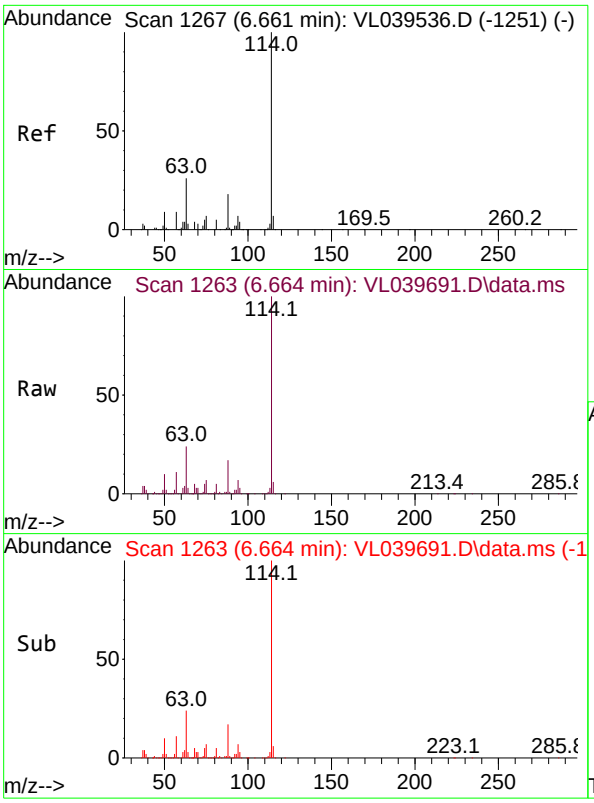


#26
Hexane
Concen: 1.112 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.010 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Tgt Ion: 57 Resp: 109405

Ion	Ratio	Lower	Upper
57	100		
41	108.7	76.9	115.3
43	79.7	191.0	286.6#
56	61.7	43.2	64.8



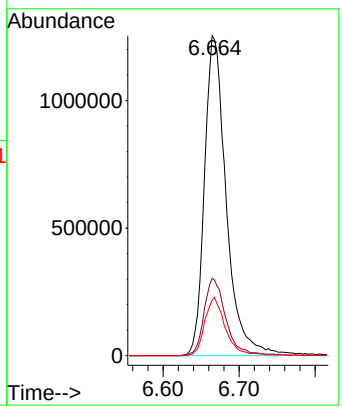


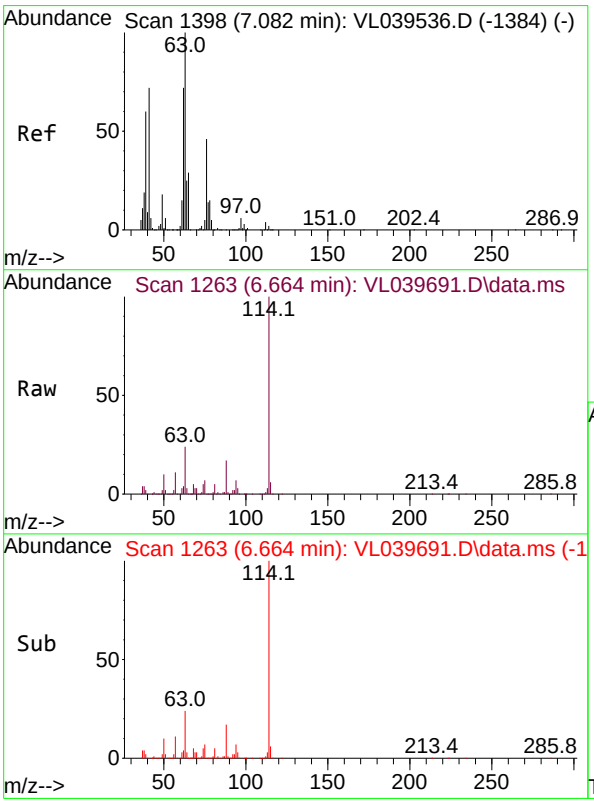
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1
Delta R.T. 0.004 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion:114 Resp: 2487905

Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.2	30.4
88	17.7	14.5	21.7

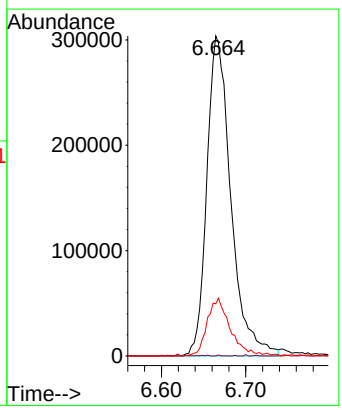


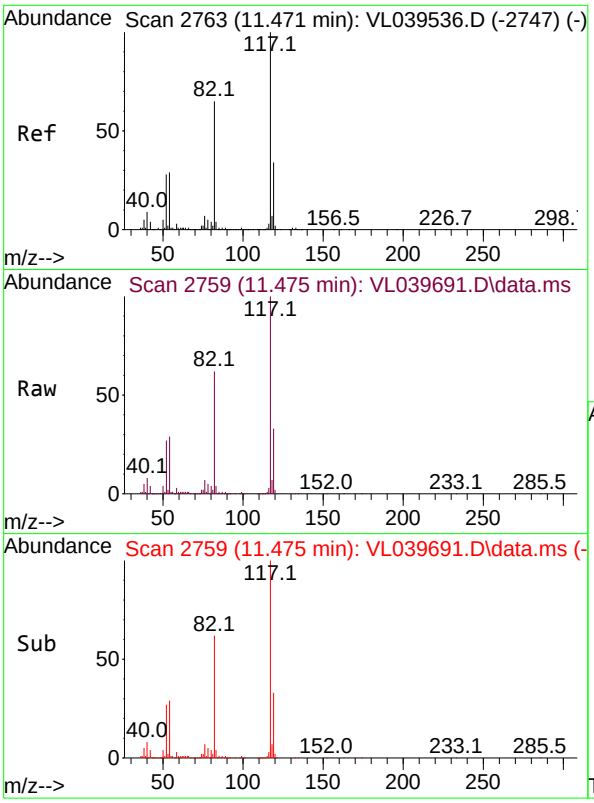


#39
1,2-Dichloropropane
Concen: 8.185 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.417 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Tgt Ion: 63 Resp: 601145

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.3	51.4	77.0#



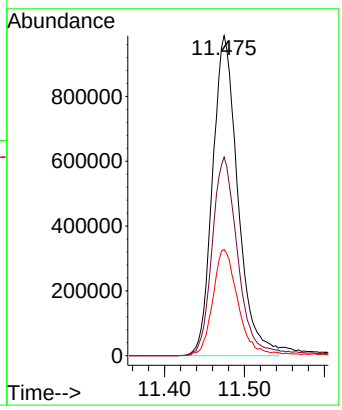


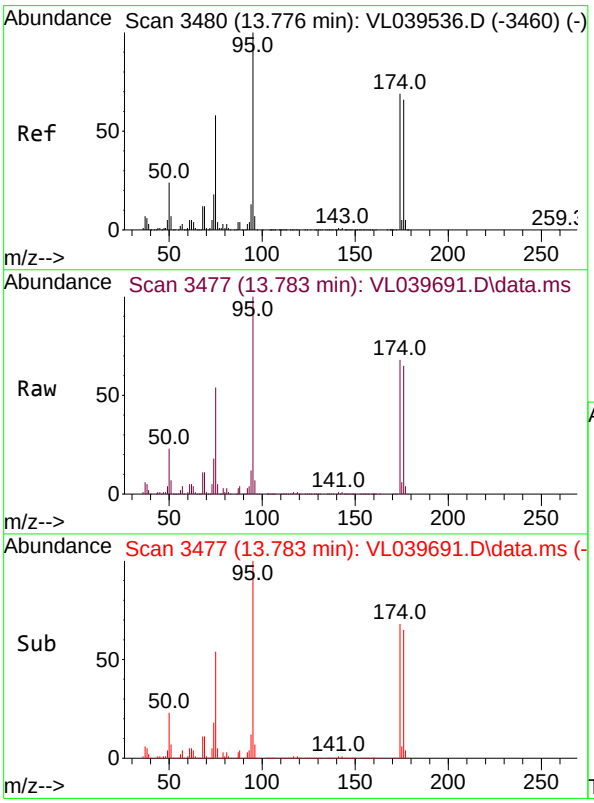
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2
Delta R.T. 0.004 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion:117 Resp: 2170625

Ion	Ratio	Lower	Upper
117	100		
82	64.1	50.8	76.2
119	33.8	24.1	36.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.879 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.007 min
Lab File: VL039691.D
Acq: 4 Oct 2022 21:38

Tgt Ion: 95 Resp: 1600823

Ion	Ratio	Lower	Upper
95	100		
174	74.2	55.9	83.9
175	5.5	4.2	6.4