Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062222\
Data File : VL039329.D
Acq On : 22 Jun 2022 20:53
Operator : SY/AP
Sample : N3214-13 LOD 0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 23 07:28:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1109836	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3077594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2737162	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2112736	9.34	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.40%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.99	51	6204	0.044	ppbv #	89
8) Dichlorotetrafluoroethane	3.19	85	7207	0.040	ppbv	88
9) Propene	3.02	41	3746	0.061	ppbv #	21
13) Ethanol	3.61	45	294	0.088	ppbv #	100
15) Acetone	3.88	43	10512	0.091	ppbv	90
20) Methylene Chloride	4.35	84	4573	0.094	ppbv	84
21) Allyl Chloride	4.41	41	3465	0.044	ppbv #	74
22) trans-1,2-Dichloroethene	4.88	96	1682	0.033	ppbv #	57
39) 1,2-Dichloropropane	7.17	63	769730	7.745	ppbv #	24

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

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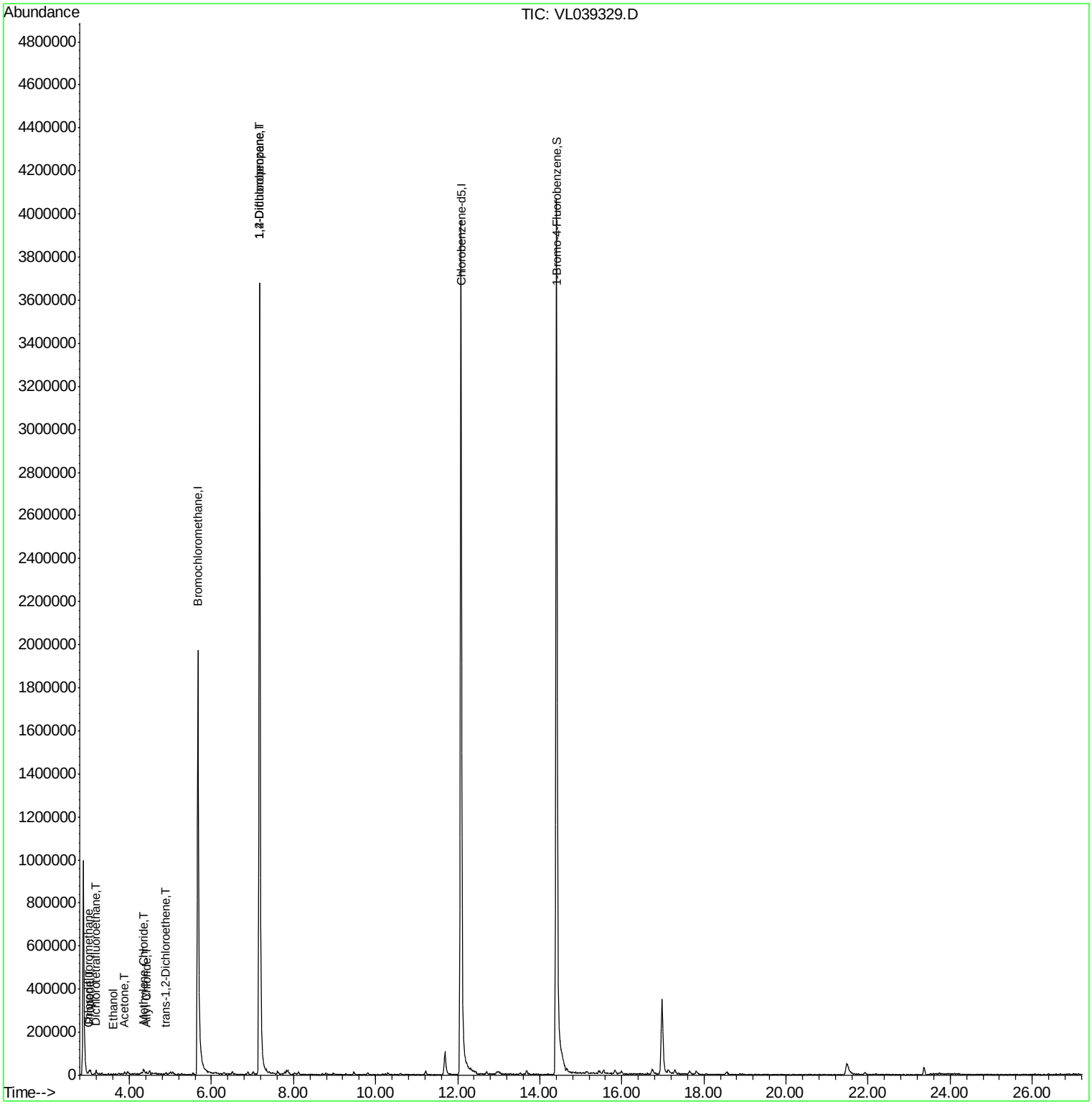
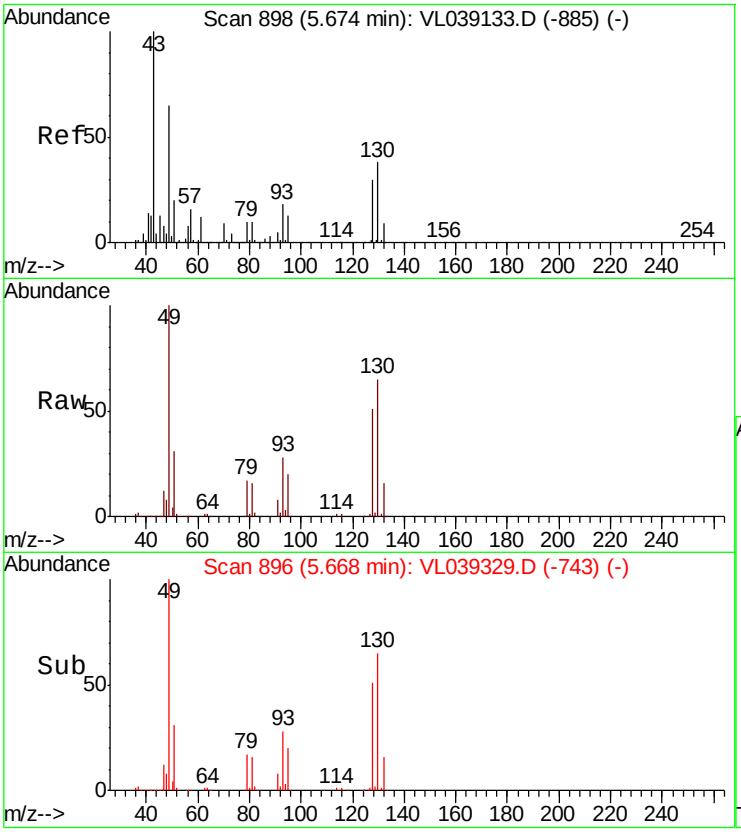


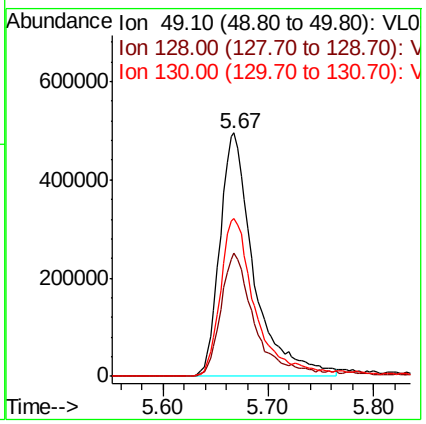


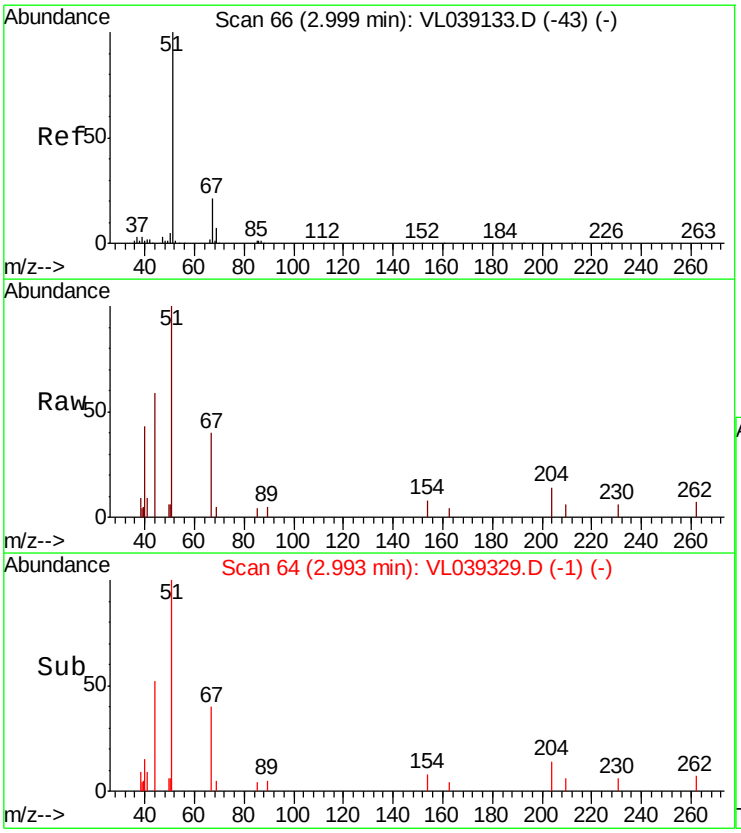
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 49 Resp: 1109836

Ion	Ratio	Lower	Upper
49	100		
128	52.2	24.7	74.1
130	68.5	31.4	94.0

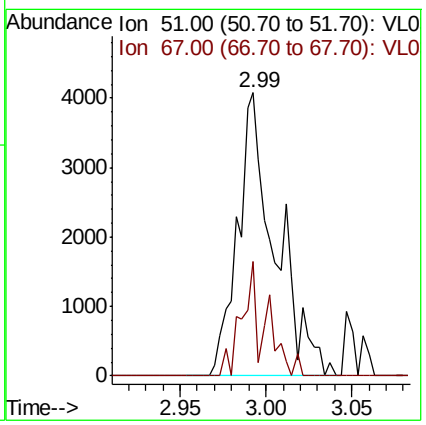


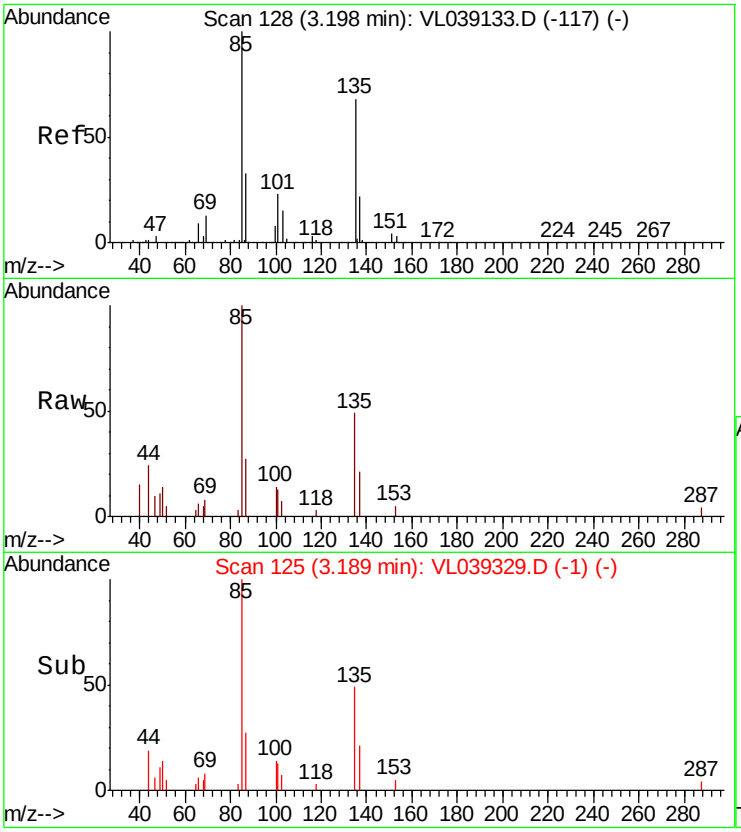


#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.01 min
Lab File: VL039329.D
Acq: 22 Jun 2022 20:53

Tgt Ion: 51 Resp: 6204

Ion	Ratio	Lower	Upper
51	100		
67	25.3	16.2	24.4#



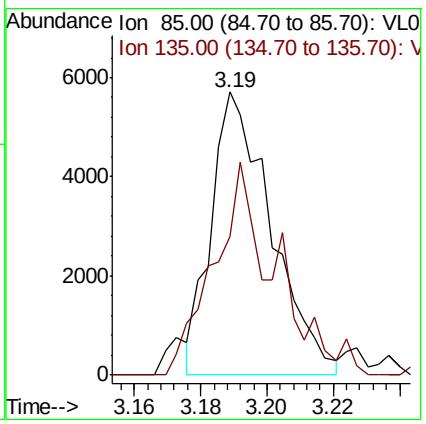


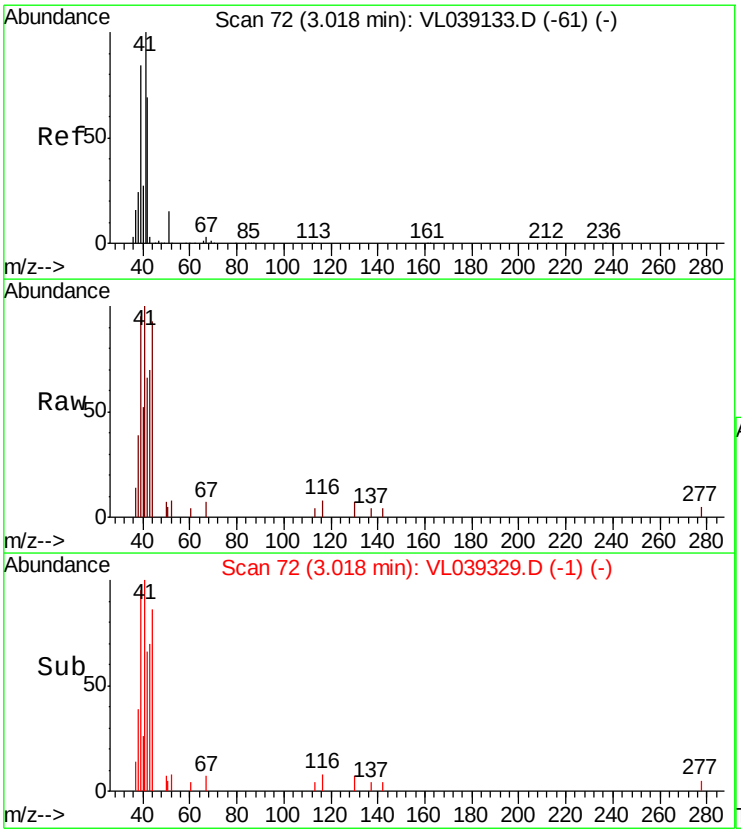
#8
Dichlorotetrafluoroethane
Concen: 0.040 ppbv
RT: 3.19
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 85 Resp: 7207

Ion	Ratio	Lower	Upper
85	100		
135	78.1	55.0	82.4

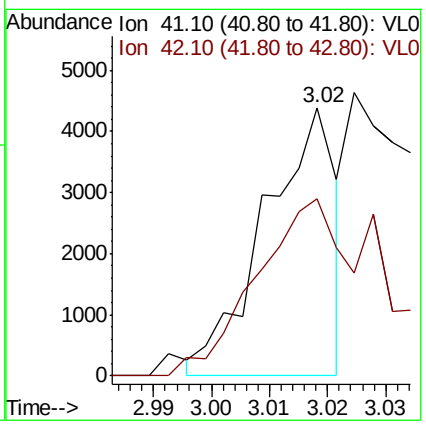


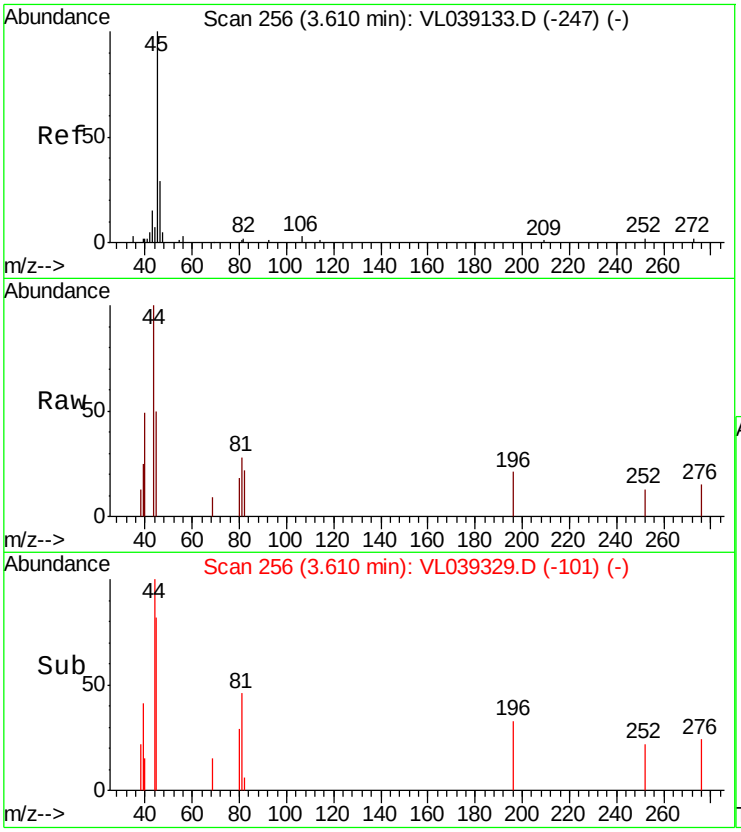


#9
Propene
Concen: 0.061 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL039329.D
Acq: 22 Jun 2022 20:53

Tgt Ion: 41 Resp: 3746

Ion	Ratio	Lower	Upper
41	100		
42	133.4	55.4	83.2#



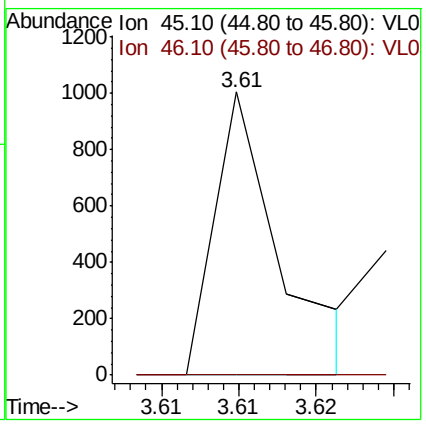


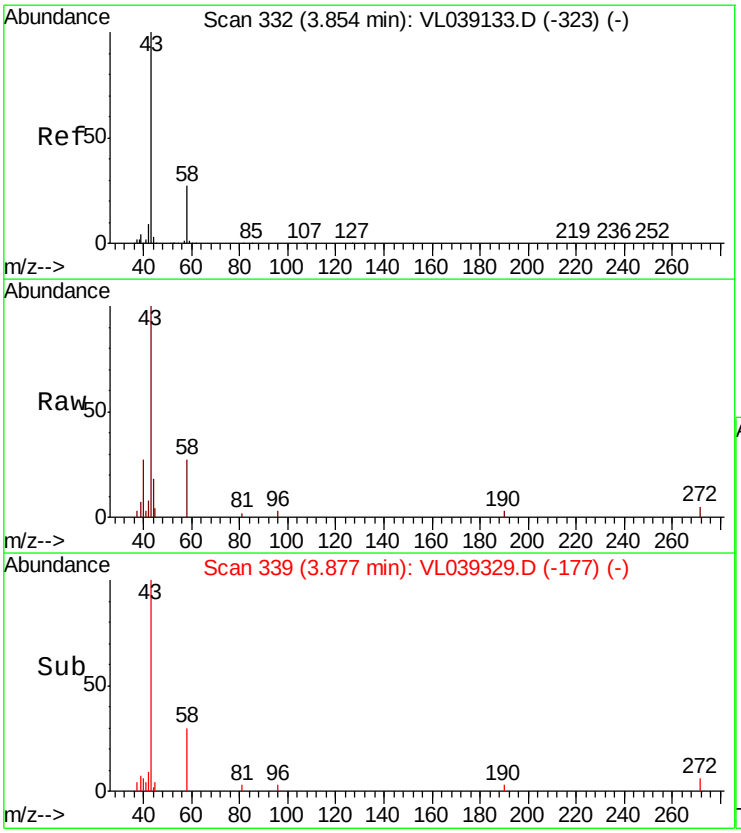
#13
Ethanol
Concen: 0.088 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 45 Resp: 294

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

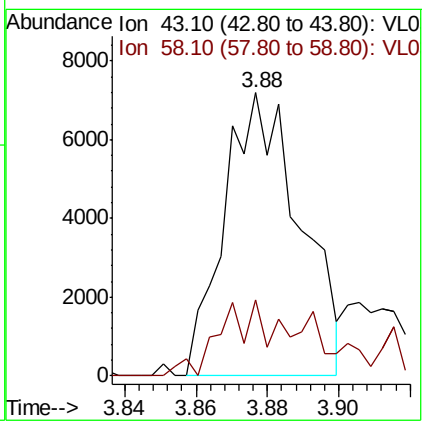


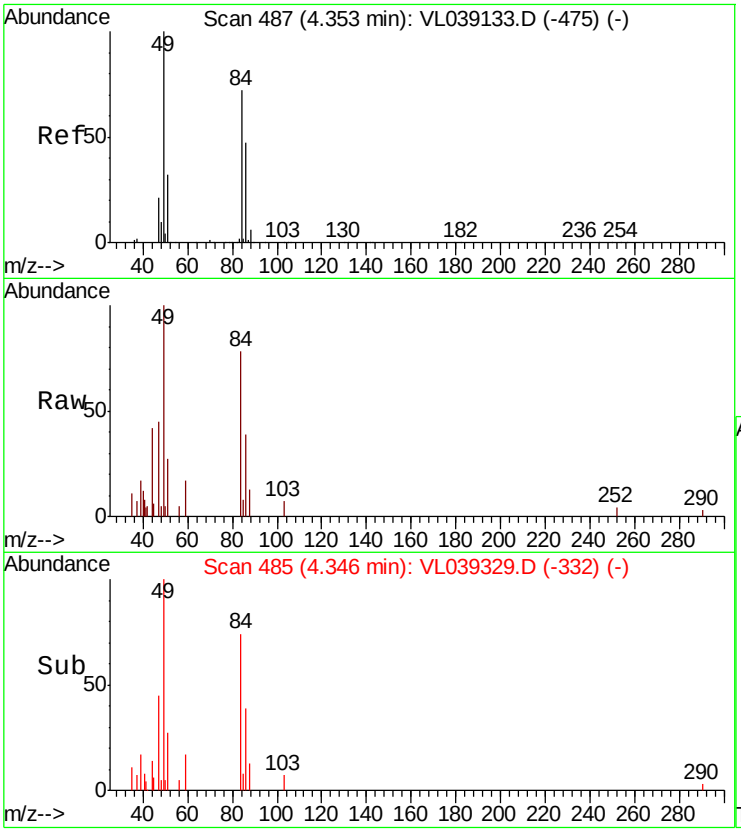


#15
Acetone
Concen: 0.091 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VL039329.D
Acq: 22 Jun 2022 20:53

Tgt Ion: 43 Resp: 10512

Ion	Ratio	Lower	Upper
43	100		
58	33.4	22.5	33.7



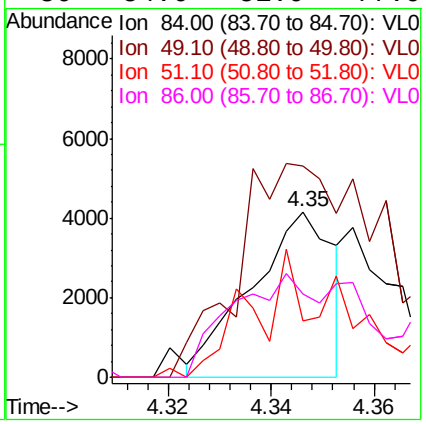


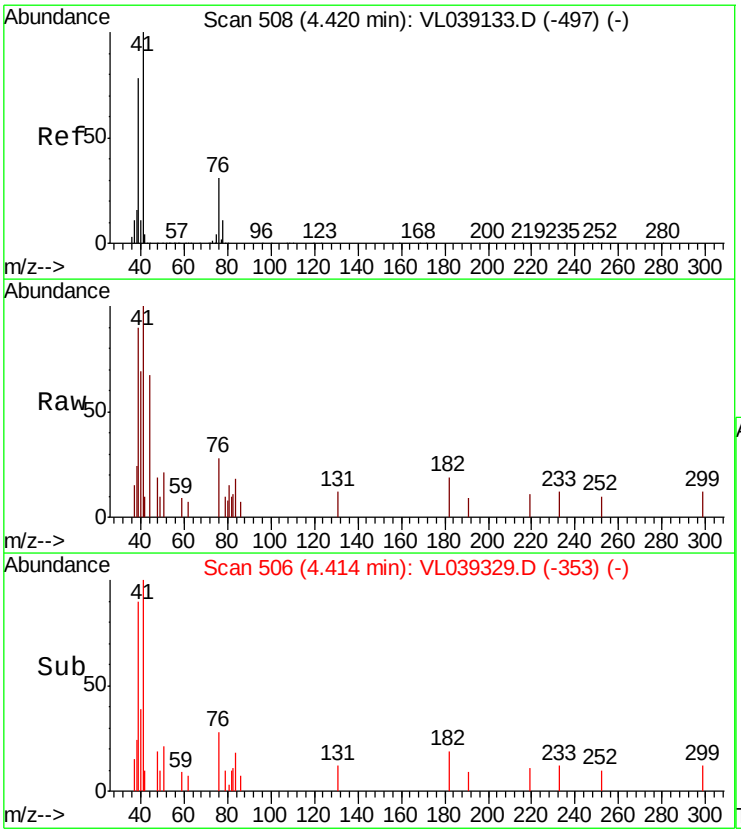
#20
Methylene Chloride
Concen: 0.094 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 84 Resp: 4573

Ion	Ratio	Lower	Upper
84	100		
49	116.0	111.1	166.7
51	37.1	35.3	52.9
86	54.6	51.9	77.9

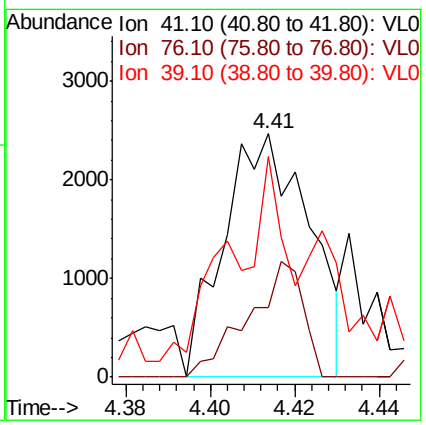


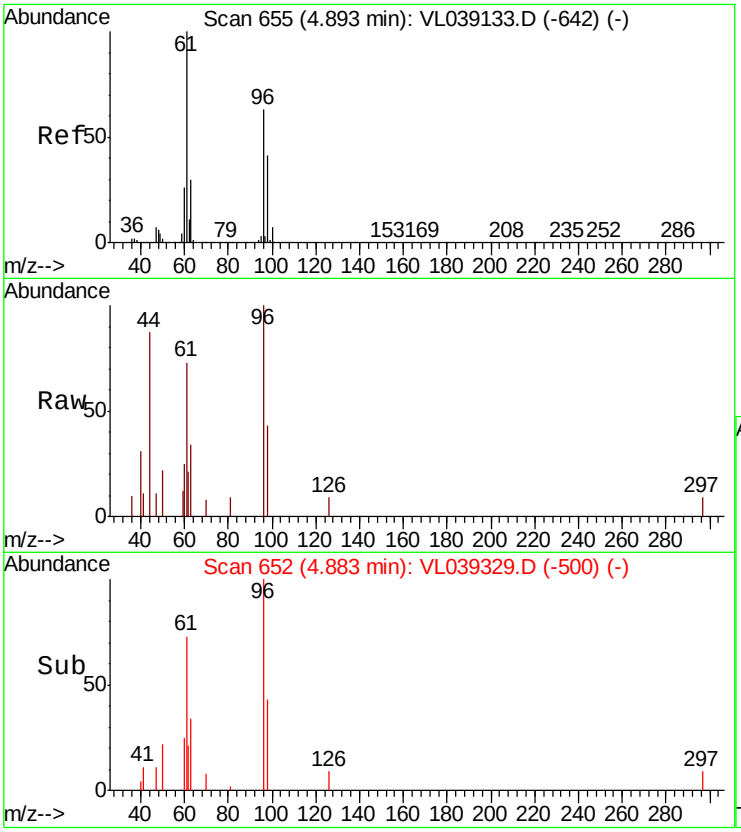


#21
Allyl Chloride
Concen: 0.044 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL039329.D
Acq: 22 Jun 2022 20:53

Tgt Ion: 41 Resp: 3465

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.2	36.2
39	109.4	62.2	93.2#



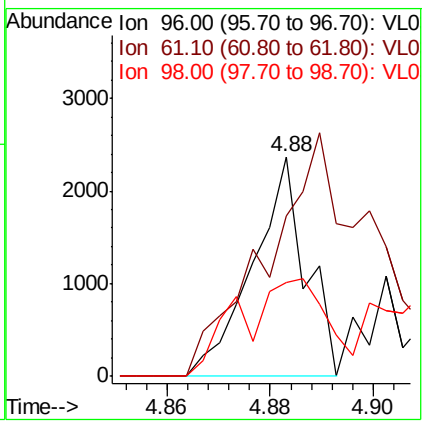


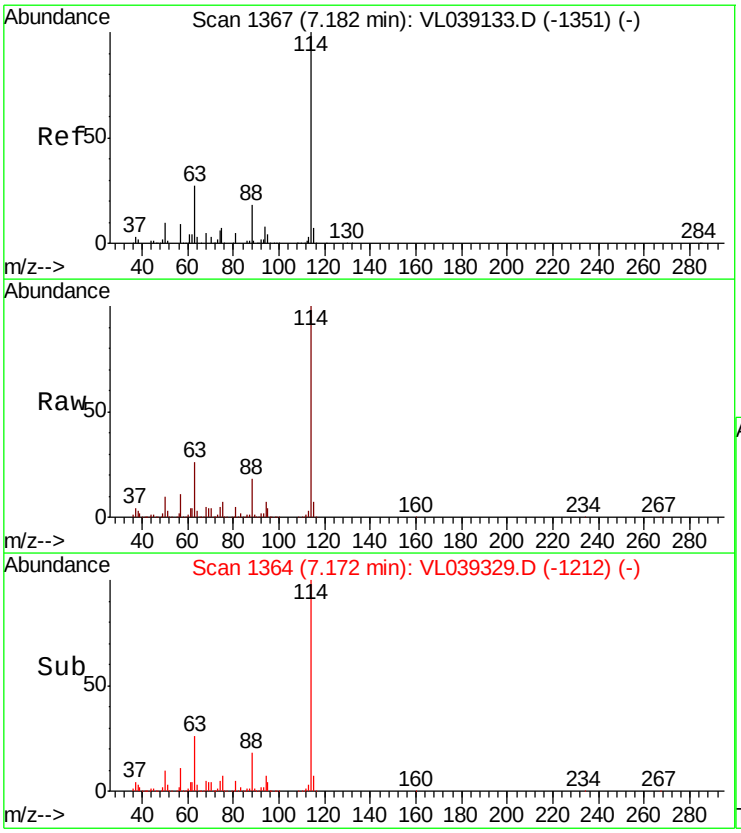
#22
trans-1,2-Dichloroethene
Concen: 0.033 ppbv
RT: 4.88
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 96 Resp: 1682

Ion	Ratio	Lower	Upper
96	100		
61	94.5	126.6	190.0#
98	42.6	52.5	78.7#

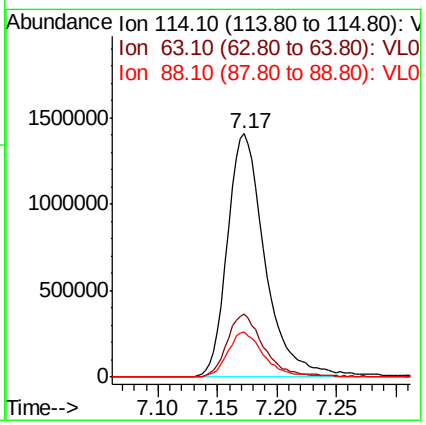


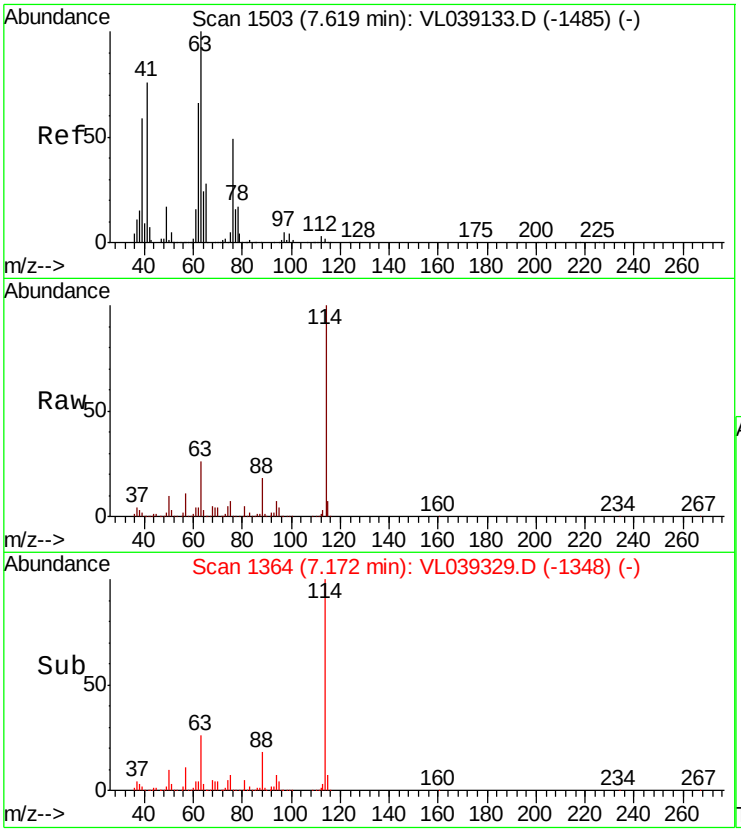


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL039329.D
Acq: 22 Jun 2022 20:53

Tgt Ion:114 Resp: 3077594

Ion	Ratio	Lower	Upper
114	100		
63	25.8	21.7	32.5
88	18.2	14.8	22.2



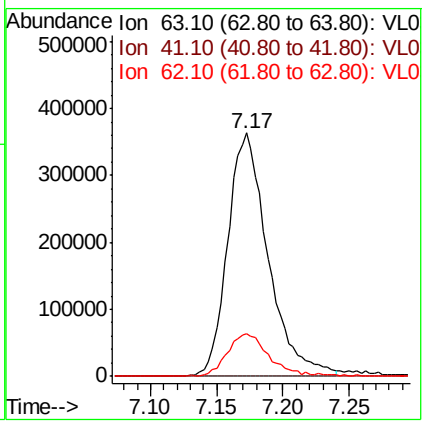


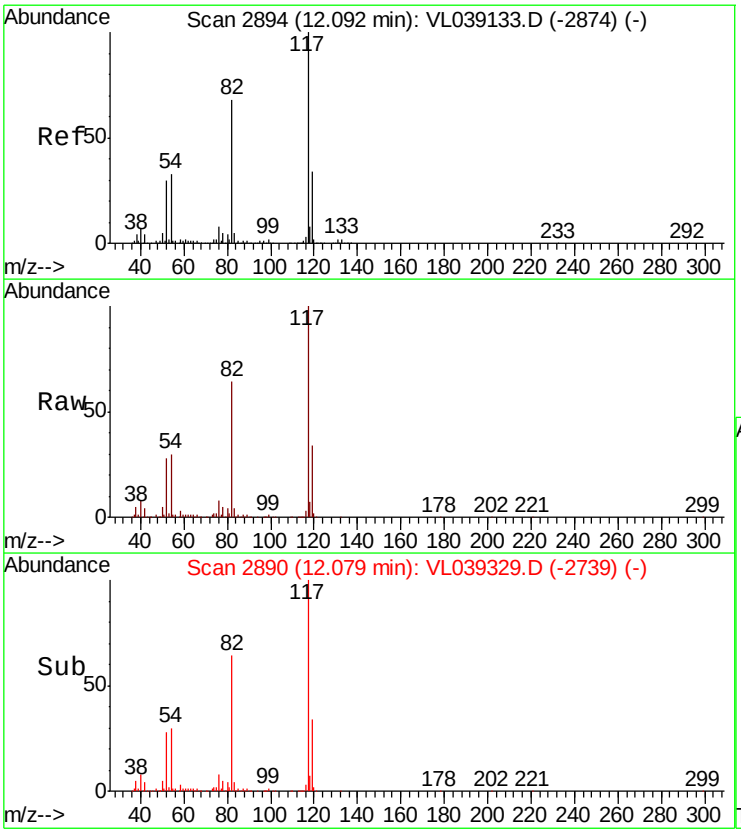
#39
1,2-Dichloropropane
Concen: 7.745 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 63 Resp: 769730

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.8	91.2#
62	17.3	52.9	79.3#

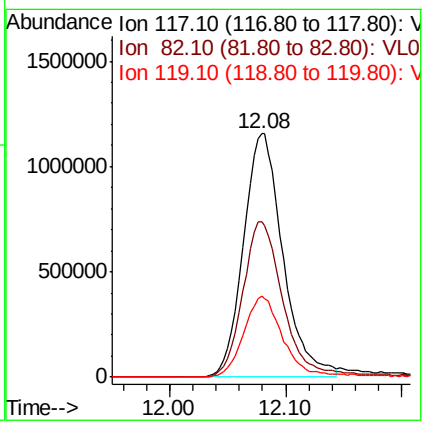


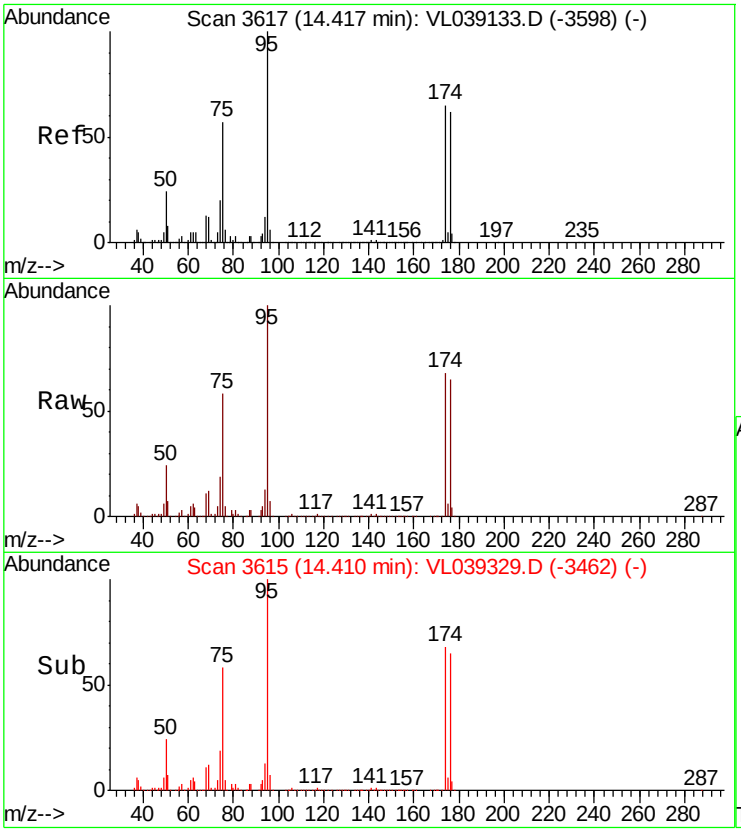


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL039329.D
Acq: 22 Jun 2022 20:53

Tgt Ion:117 Resp: 2737162

Ion	Ratio	Lower	Upper
117	100		
82	66.9	55.1	82.7
119	33.7	24.7	37.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.336 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 22 Jun 2022 20:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Tgt Ion: 95 Resp: 2112736

Ion	Ratio	Lower	Upper
95	100		
174	71.3	53.8	80.8
175	5.2	4.1	6.1