Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120721\
Data File : VL038150.D
Acq On : 7 Dec 2021 14:49
Operator : SY/AP
Sample : M4827-02DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-2DL2

Quant Time: Dec 08 00:52:21 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	852919	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2283635	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1947226	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1579211	11.24	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.40%			
Target Compounds						Qvalue
9) Propene	3.02	41	2896	0.044	ppbv #	1
13) Ethanol	3.62	45	2342	0.367	ppbv #	32
20) Methylene Chloride	4.34	84	39748	0.960	ppbv	92
25) Ethyl Acetate	5.68	43	14568	0.059	ppbv #	78
26) Hexane	5.67	57	8970	0.076	ppbv #	1
36) Benzene	6.88	78	13150	0.058	ppbv #	91
39) 1,2-Dichloropropane	7.16	63	603474	6.906	ppbv #	27
52) Tetrachloroethene	11.20	164	703228	8.343	ppbv	98

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

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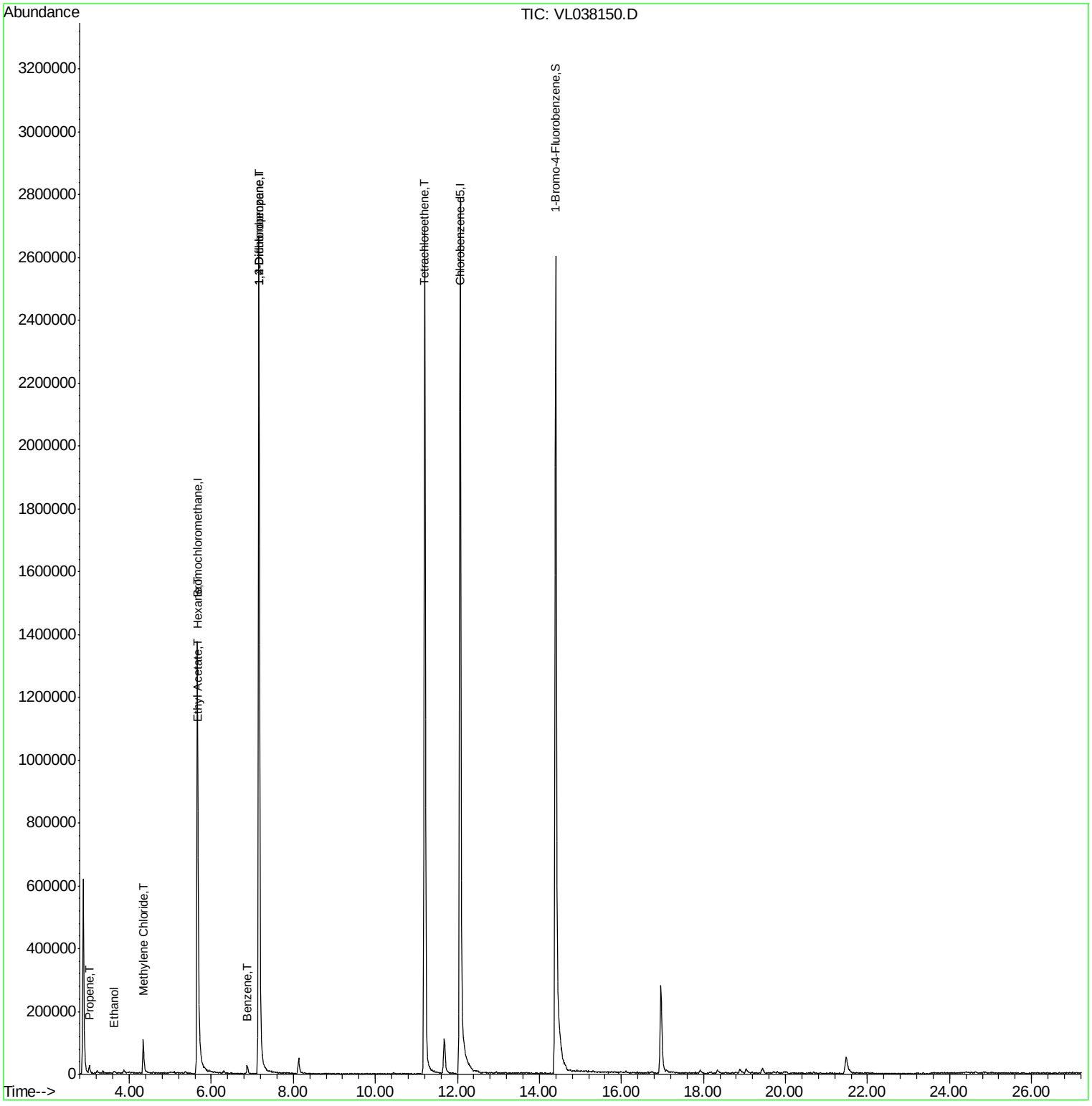
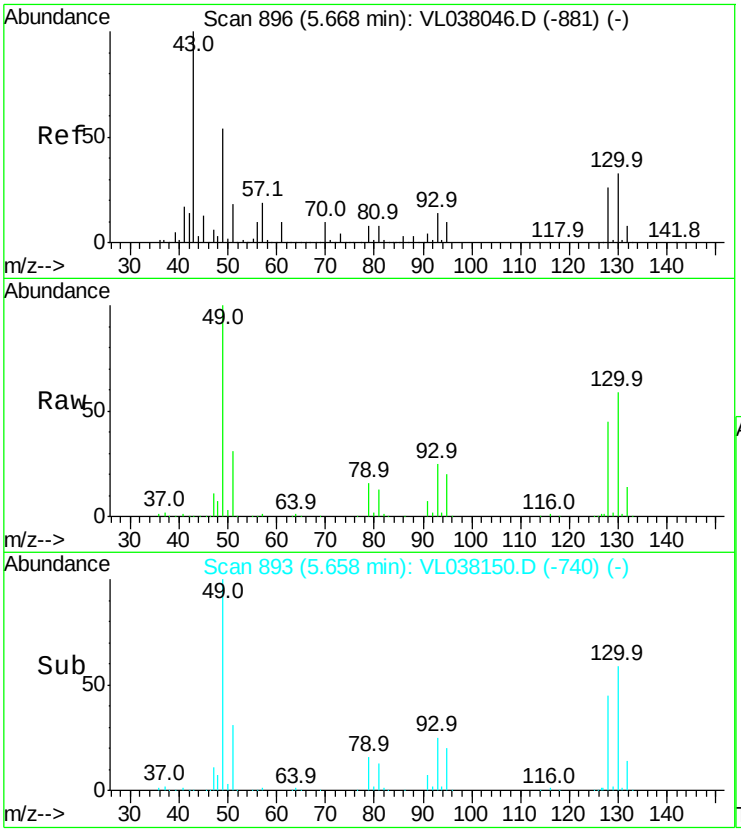


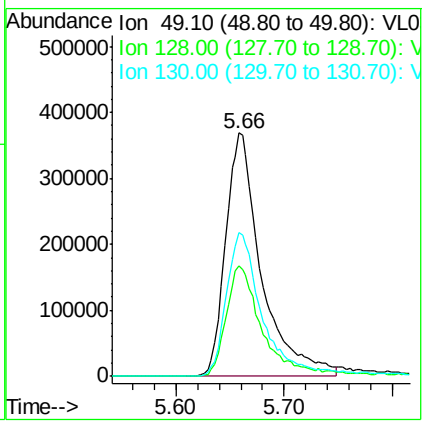


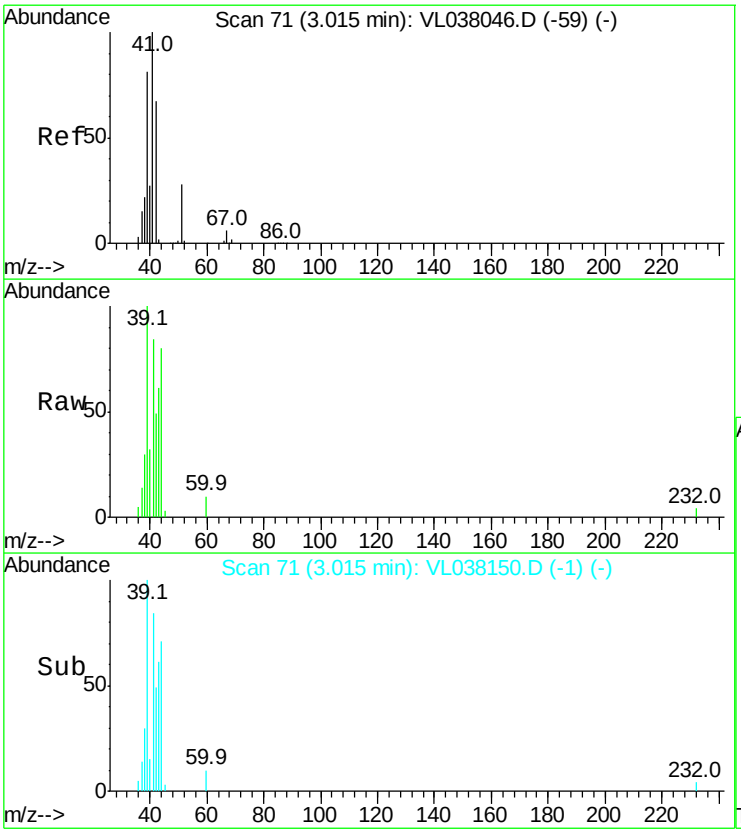
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 7 Dec 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Tgt Ion: 49 Resp: 852919

Ion	Ratio	Lower	Upper
49	100		
128	47.6	26.5	79.5
130	61.1	32.5	97.4

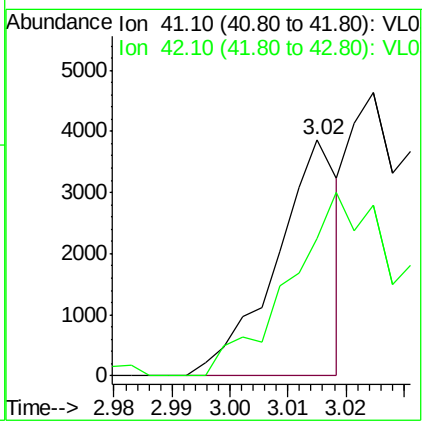


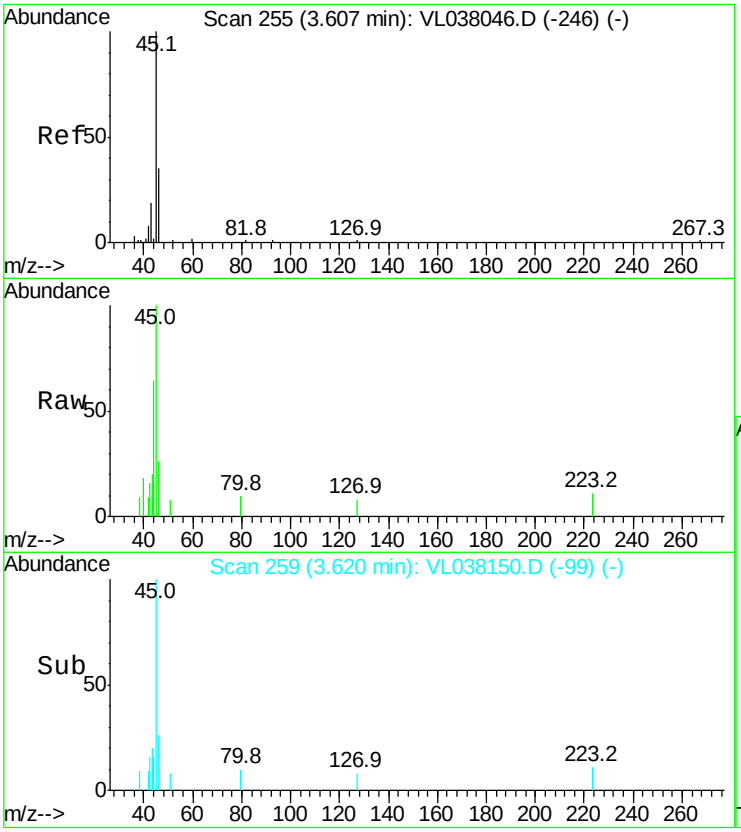


#9
Propene
Concen: 0.044 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion: 41 Resp: 2896

Ion	Ratio	Lower	Upper
41	100		
42	155.1	53.8	80.8#



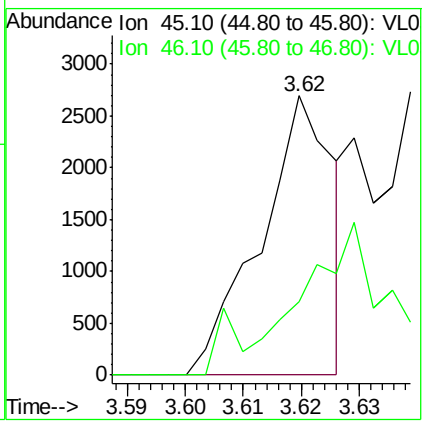


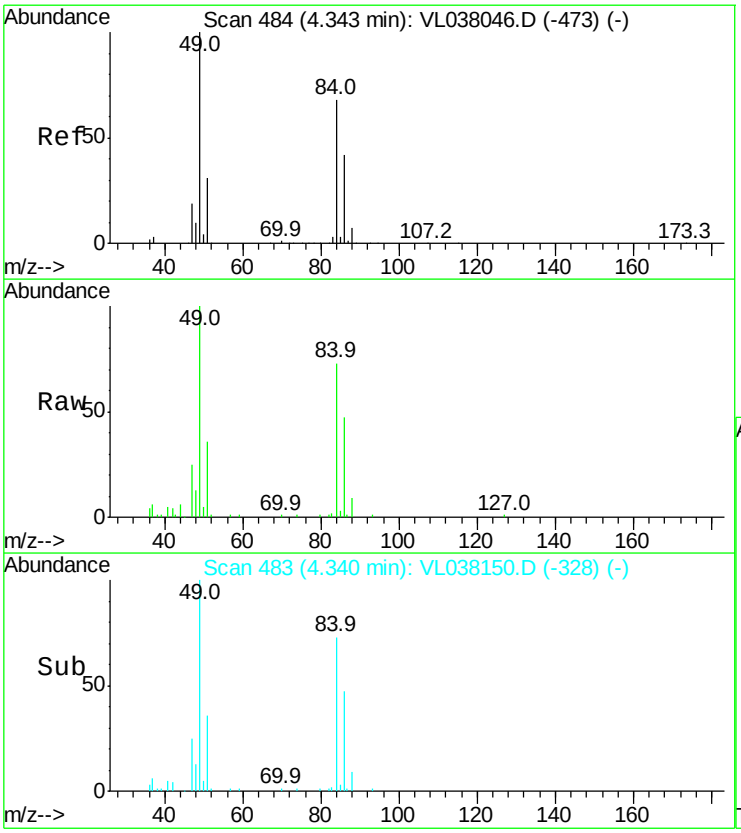
#13
Ethanol
Concen: 0.367 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 7 Dec 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Tgt Ion: 45 Resp: 2342

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.6	70.2#

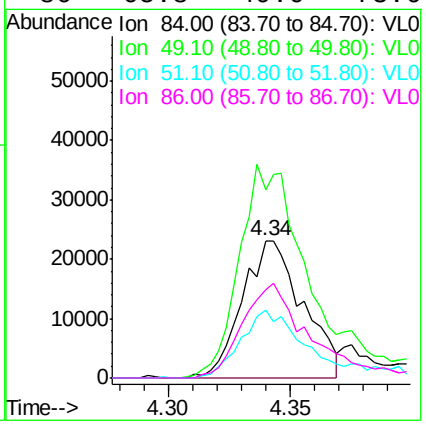


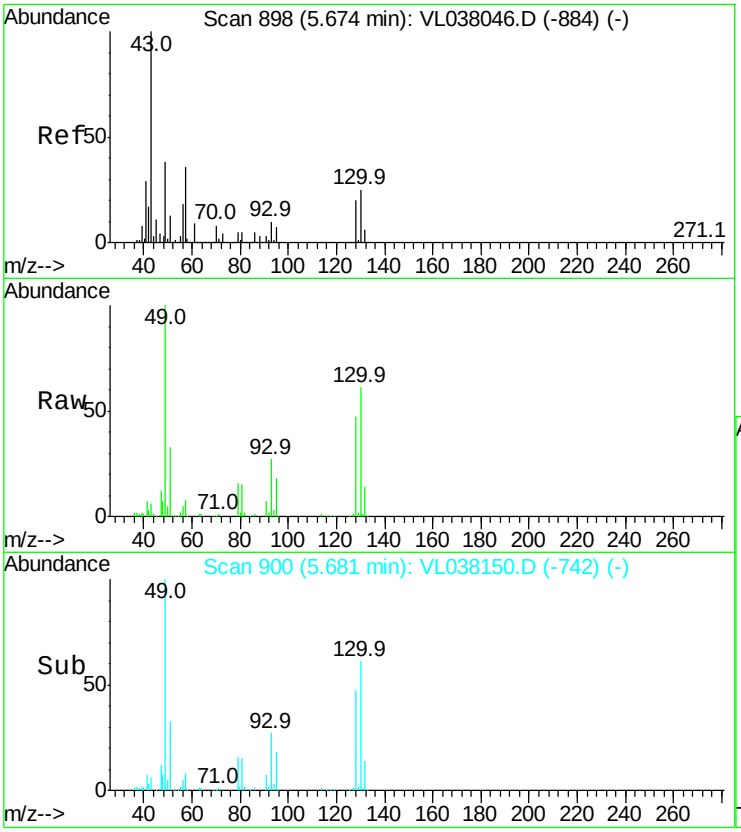


#20
Methylene Chloride
Concen: 0.960 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion: 84 Resp: 39748

Ion	Ratio	Lower	Upper
84	100		
49	135.9	118.2	177.2
51	50.2	36.8	55.2
86	65.8	49.0	73.6



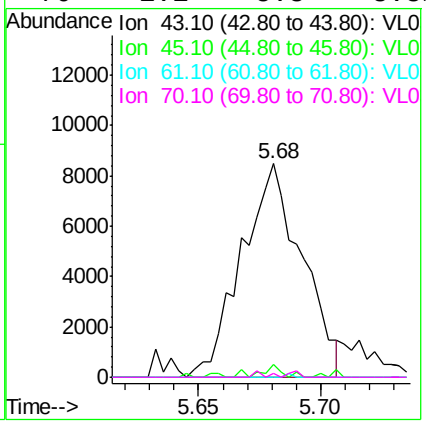


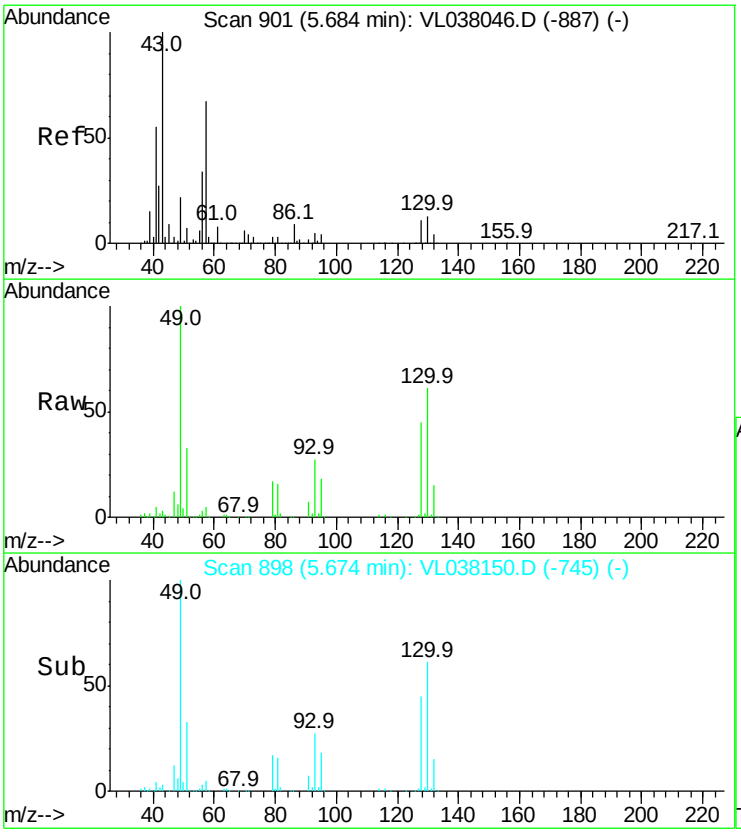
#25
Ethyl Acetate
Concen: 0.059 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 7 Dec 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Tgt Ion: 43 Resp: 14568

Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.9	11.9#
61	0.2	7.8	11.6#
70	1.1	5.8	8.8#

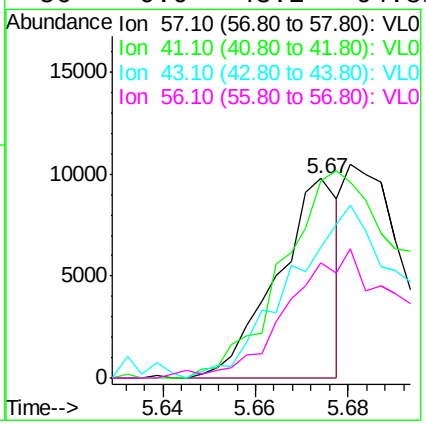


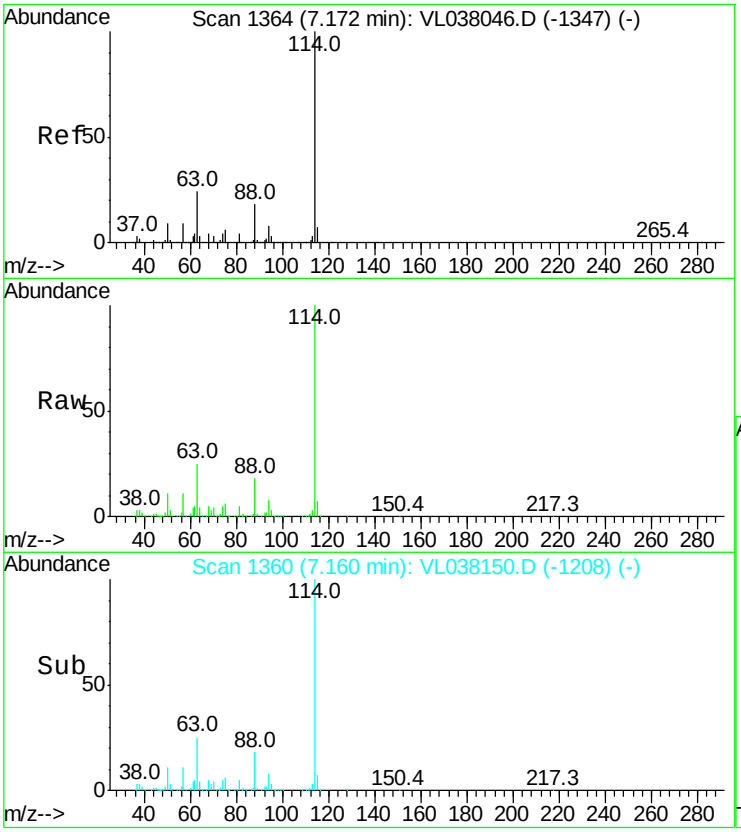


#26
Hexane
Concen: 0.076 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion: 57 Resp: 8970

Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.2#
43	0.0	174.6	261.8#
56	0.0	43.2	64.8#



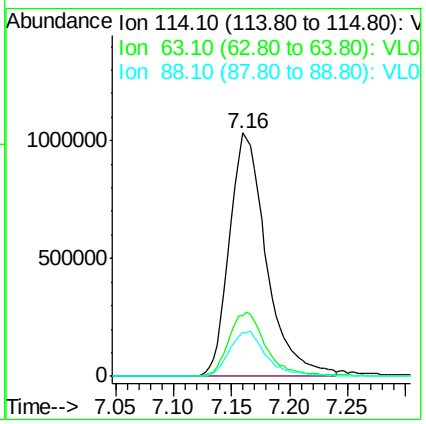


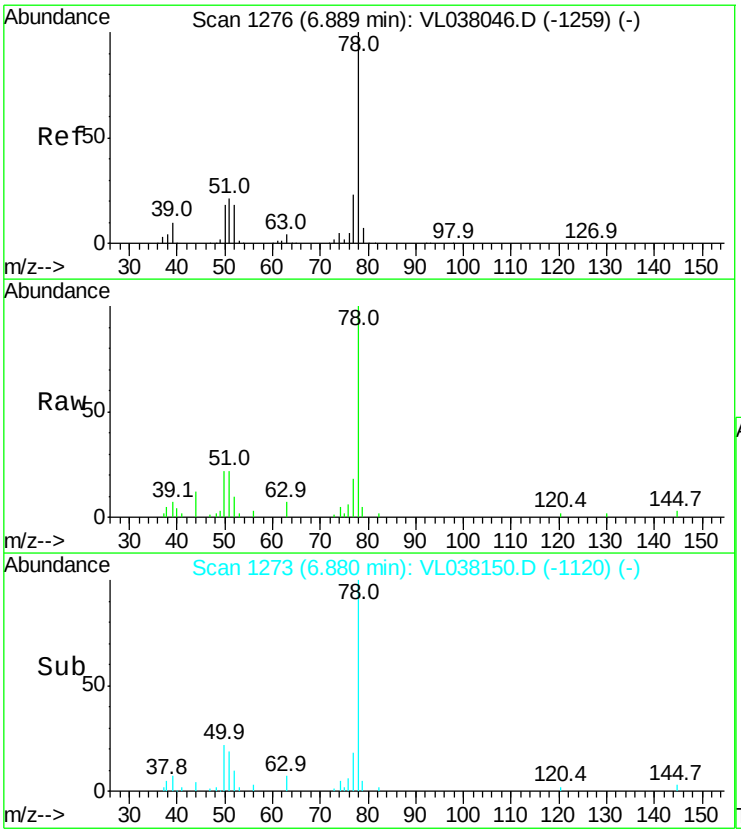
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 7 Dec 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Tgt Ion:114 Resp: 2283635

Ion	Ratio	Lower	Upper
114	100		
63	27.1	19.7	29.5
88	18.8	14.4	21.6

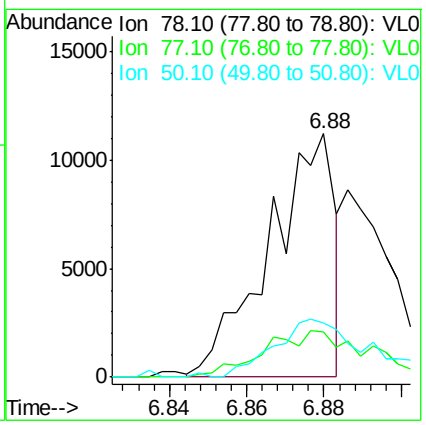


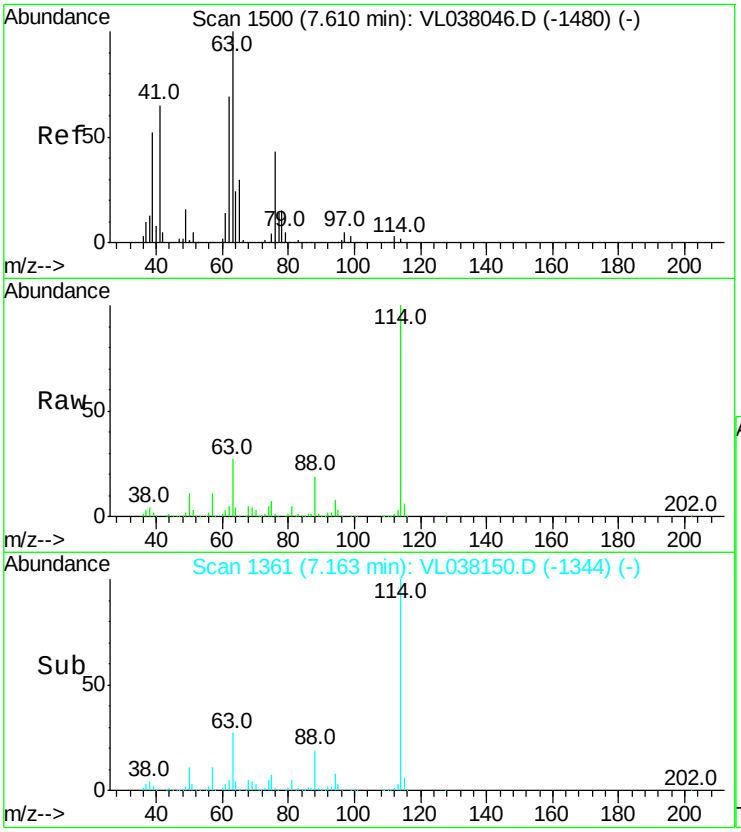


#36
Benzene
Concen: 0.058 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion: 78 Resp: 13150

Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.2	27.4
50	22.4	14.7	22.1#



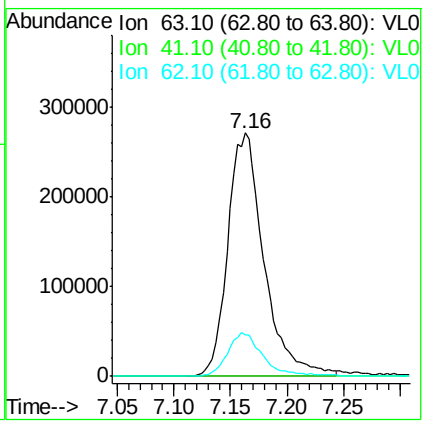


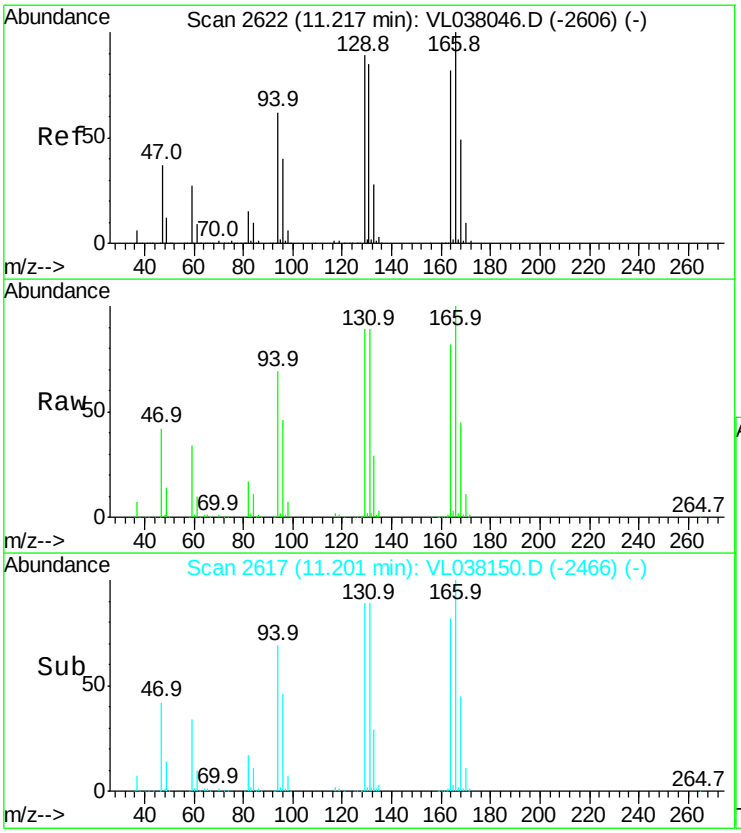
#39
1,2-Dichloropropane
Concen: 6.906 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 7 Dec 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Tgt Ion: 63 Resp: 603474

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	17.3	55.1	82.7#

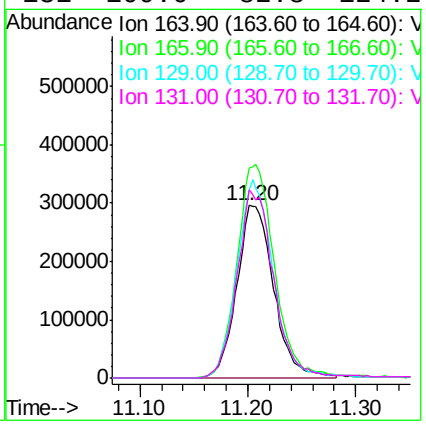


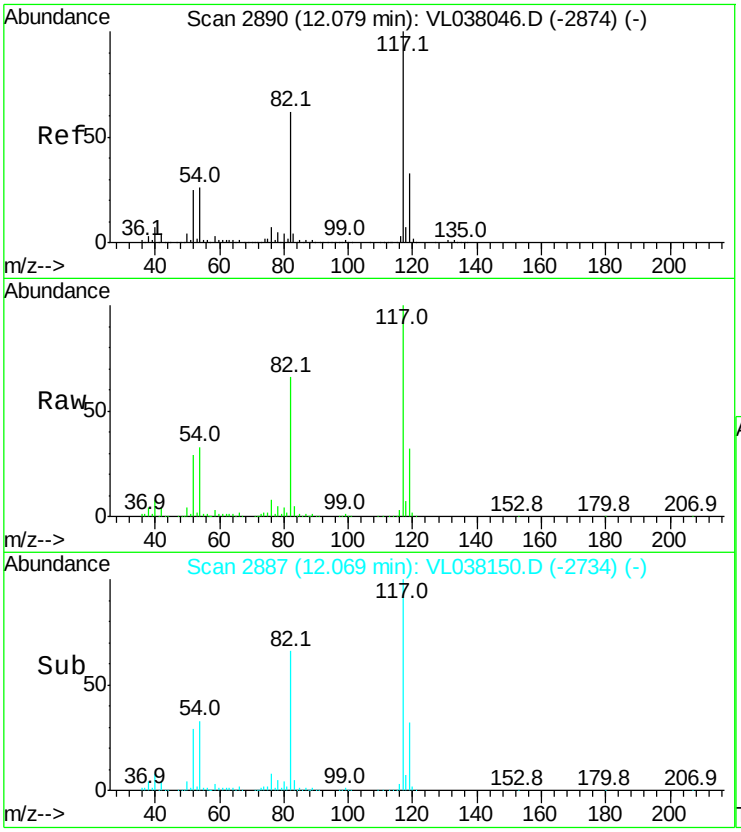


#52
Tetrachloroethene
Concen: 8.343 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion:164 Resp: 703228

Ion	Ratio	Lower	Upper
164	100		
166	122.3	97.2	145.8
129	109.1	86.9	130.3
131	109.0	82.8	124.2



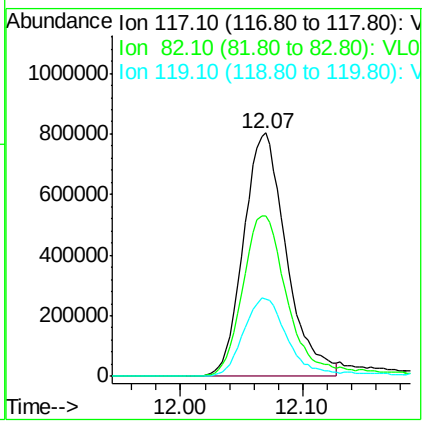


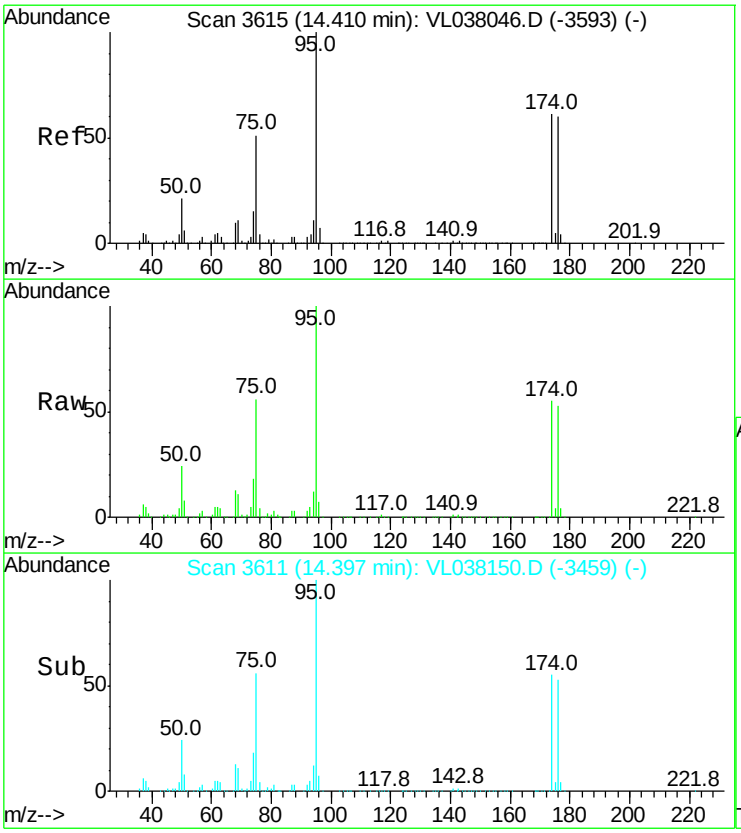
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 7 Dec 2021 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL2

Tgt Ion:117 Resp: 1947226

Ion	Ratio	Lower	Upper
117	100		
82	72.2	52.8	79.2
119	35.2	26.8	40.2





#68
1-Bromo-4-Fluorobenzene
Concen: 11.243 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038150.D
Acq: 7 Dec 2021 14:49

Tgt Ion: 95 Resp: 1579211

Ion	Ratio	Lower	Upper
95	100		
174	61.8	53.1	79.7
175	4.5	4.0	6.0