Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
Data File : VL037703.D
Acq On : 28 Sep 2021 15:38
Operator : SY/AP
Sample : M3896-01DL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 29 03:41:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1436171	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4215584	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3630903	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2486236	9.47	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.70%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.98	51	8909	0.033	ppbv #	65
7) Chloroethane	3.57	64	2745	0.078	ppbv	98
11) Trichlorofluoromethane	3.96	101	77347	0.371	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.50	101	274114	1.780	ppbv	99
13) Ethanol	3.62	45	606	0.065	ppbv #	33
18) 1,1-Dichloroethene	4.30	96	49783	0.694	ppbv	94
20) Methylene Chloride	4.36	84	41924	0.589	ppbv	94
24) 1,1-Dichloroethane	5.02	63	1678703	11.349	ppbv	99
25) Ethyl Acetate	5.70	43	23862	0.066	ppbv #	83
26) Hexane	5.71	57	20905	0.122	ppbv #	1
32) 1,1,1-Trichloroethane	6.52	97	13576846	58.173	ppbv	94
37) 1,2-Dichloroethane	6.52	62	1042435	6.030	ppbv #	1
39) 1,2-Dichloropropane	7.25	63	12820	0.095	ppbv #	19

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

Quantitation Report (Not Reviewed)

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ClientSampleId :

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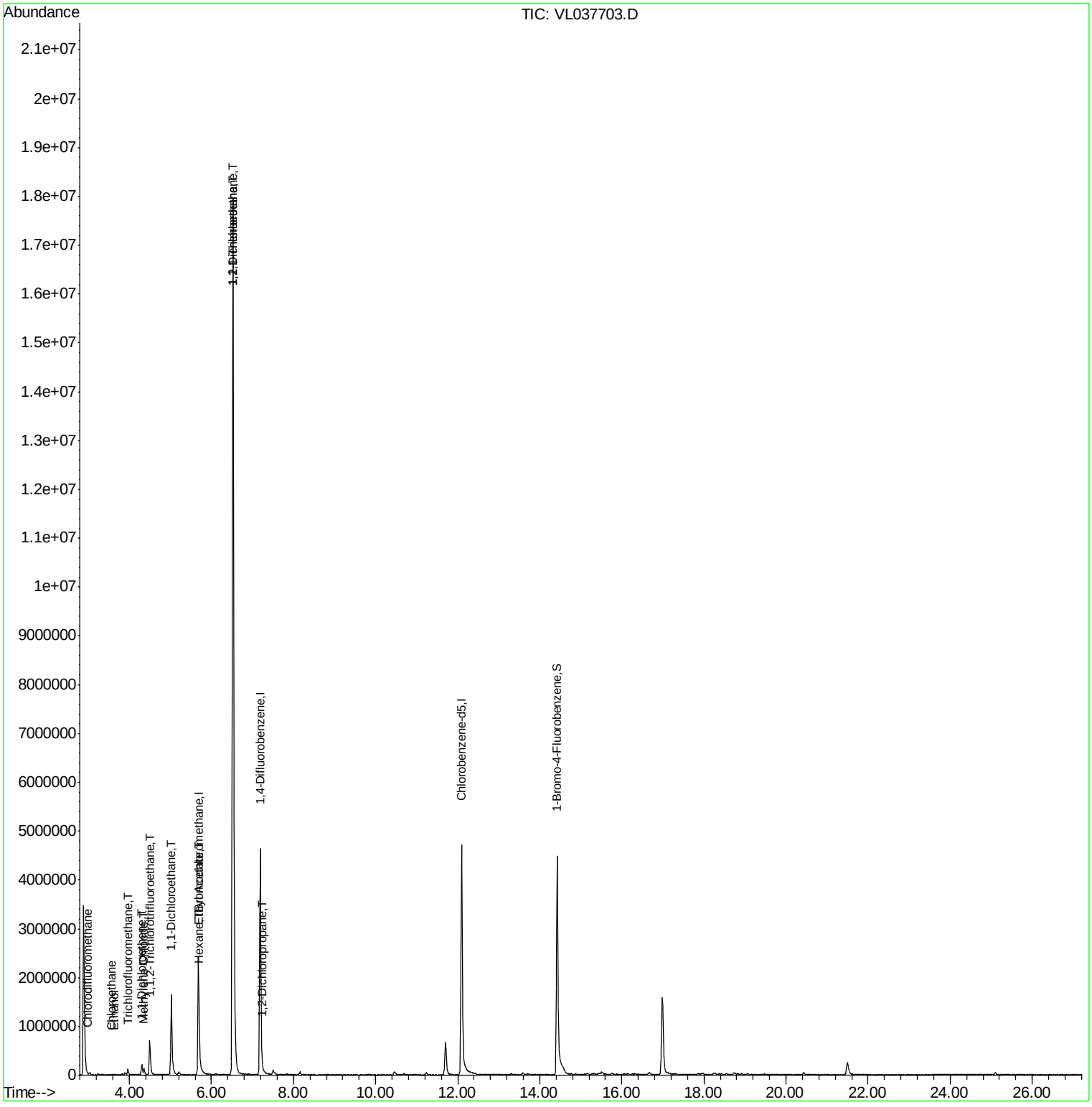
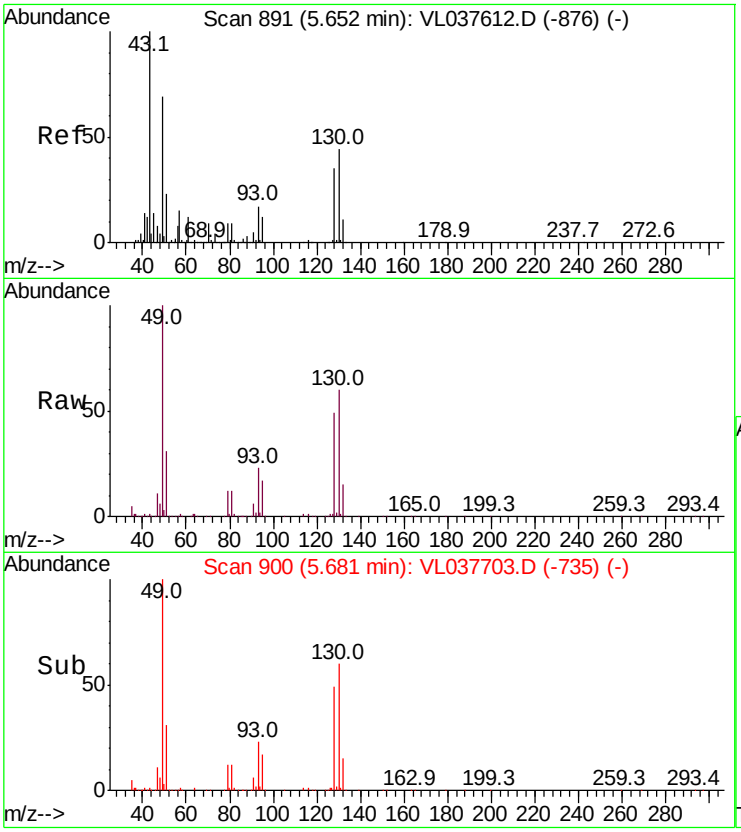


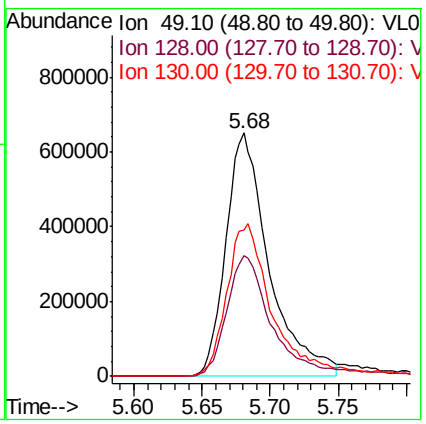


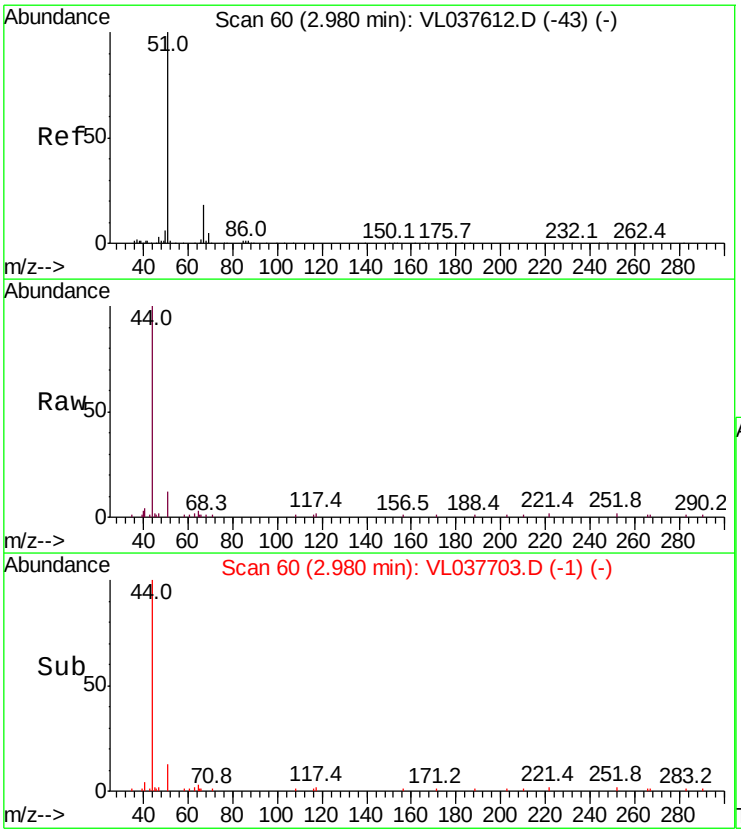
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1436171

Ion	Ratio	Lower	Upper
49	100		
128	54.5	27.9	83.6
130	69.0	33.9	101.7

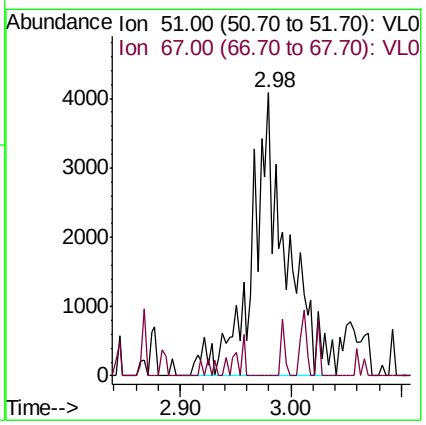


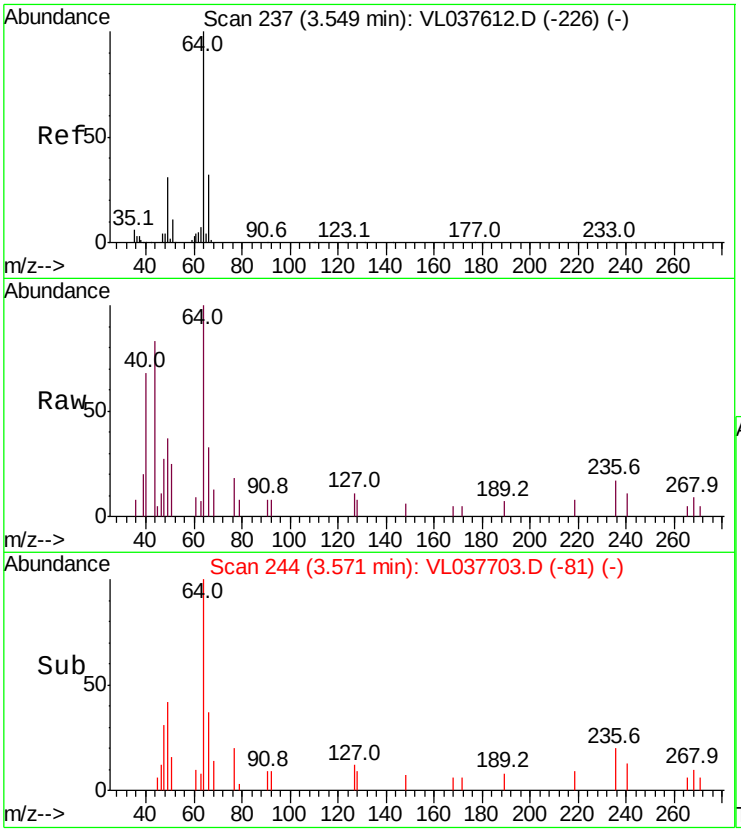


#3
Chlorodifluoromethane
Concen: 0.033 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion: 51 Resp: 8909

Ion	Ratio	Lower	Upper
51	100		
67	2.1	14.0	21.0#



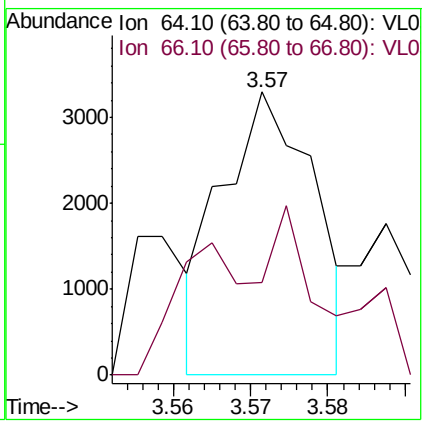


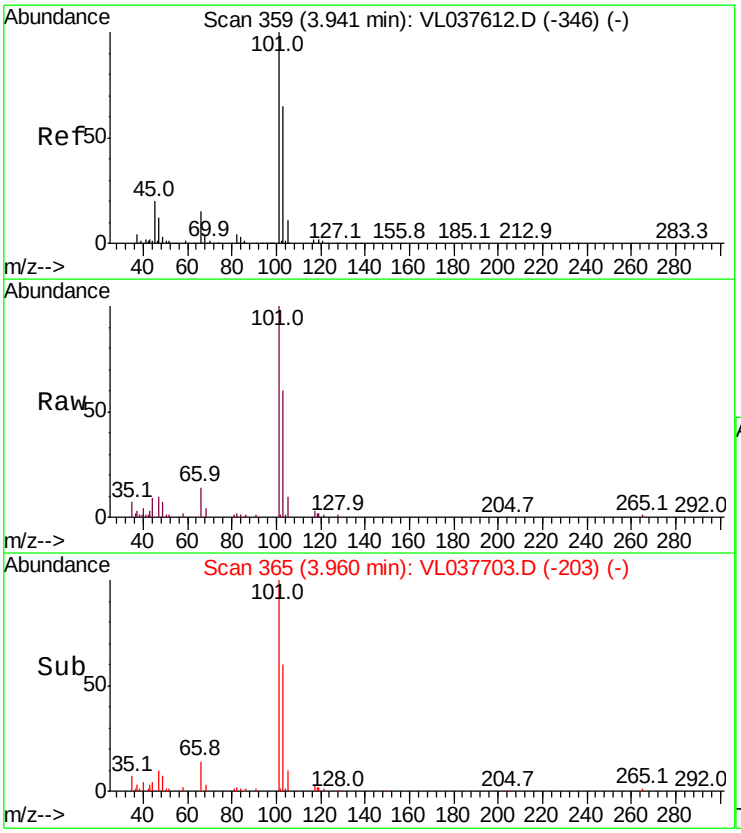
#7
Chloroethane
Concen: 0.078 ppbv
RT: 3.57
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 2745

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.3	37.9

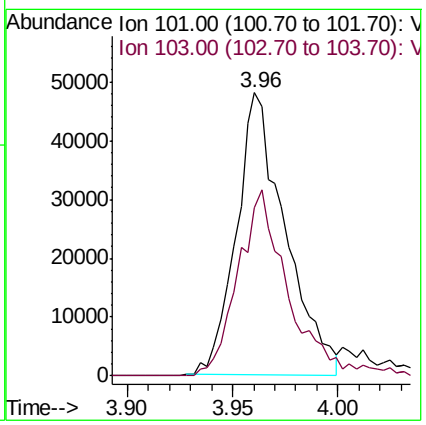


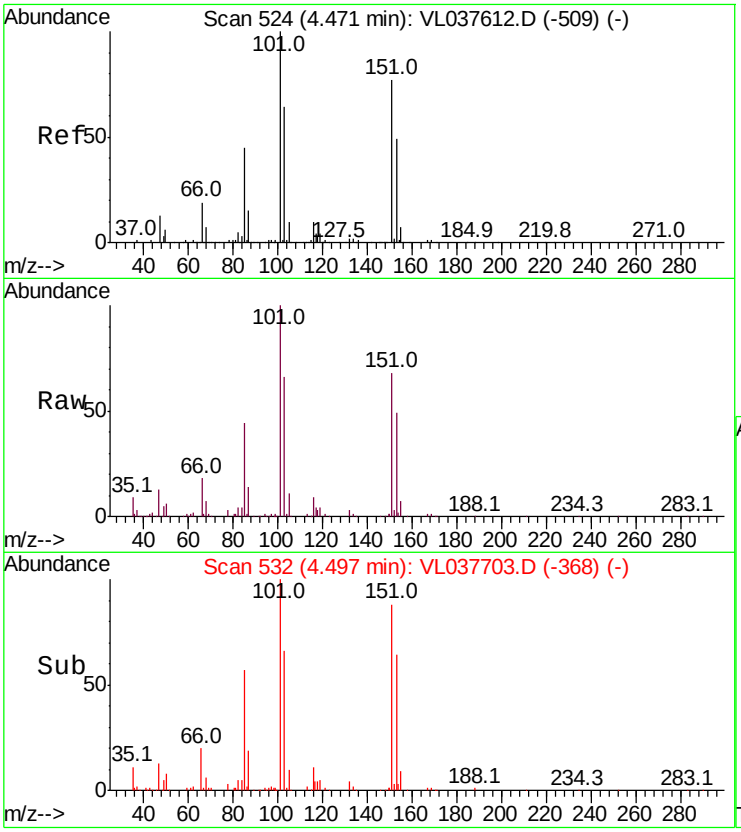


#11
Trichlorofluoromethane
Concen: 0.371 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion:101 Resp: 77347

Ion	Ratio	Lower	Upper
101	100		
103	59.9	51.9	77.9



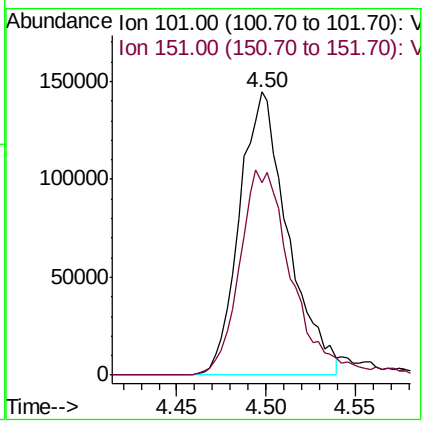


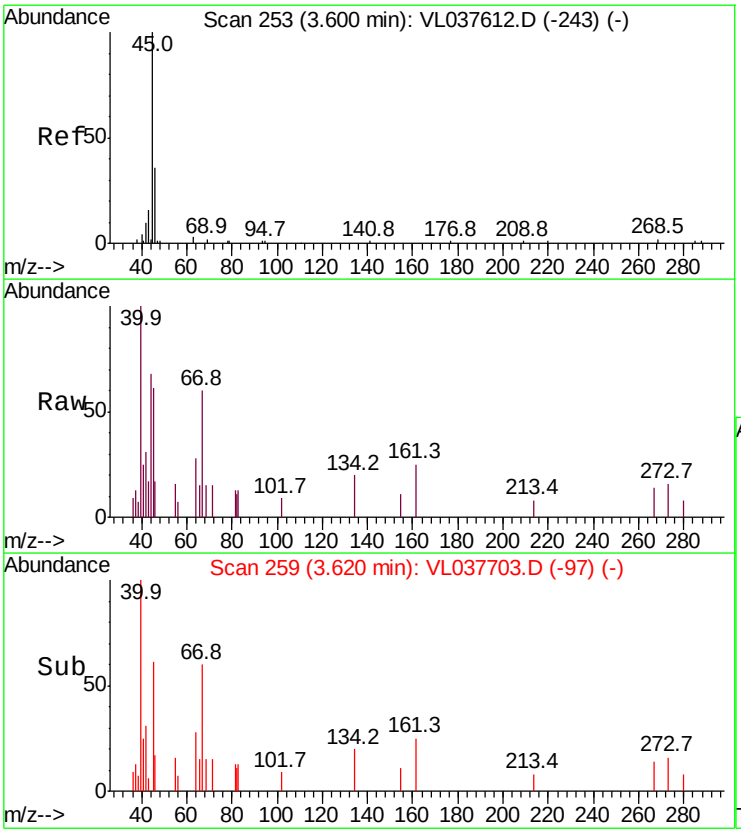
#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.780 ppbv
RT: 4.50
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 274114

Ion	Ratio	Lower	Upper
101	100		
151	80.3	63.5	95.3

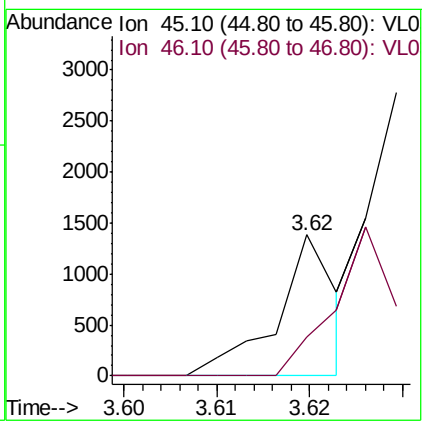


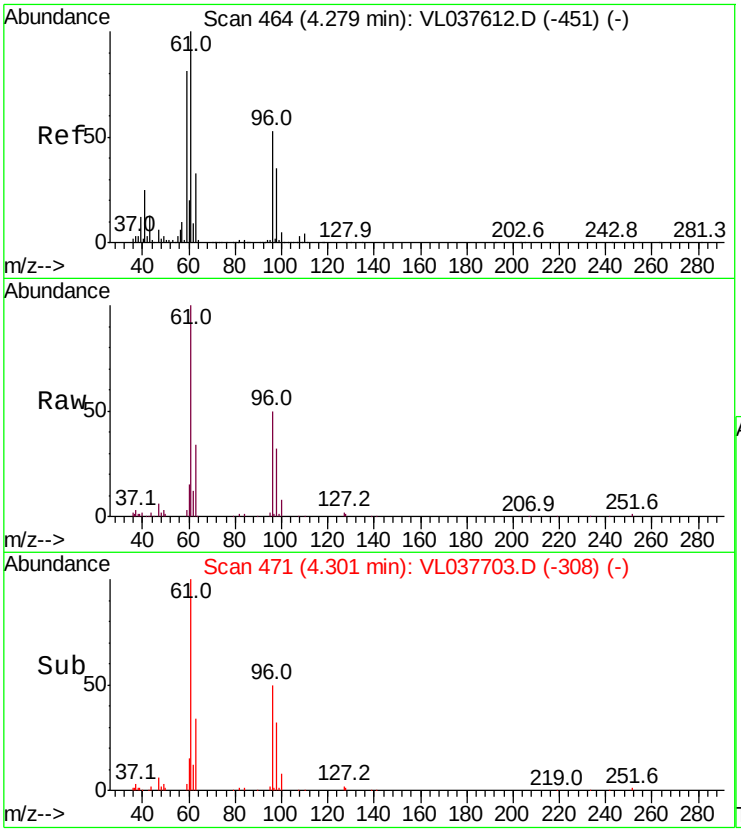


#13
Ethanol
Concen: 0.065 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion: 45 Resp: 606

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.2	68.8#



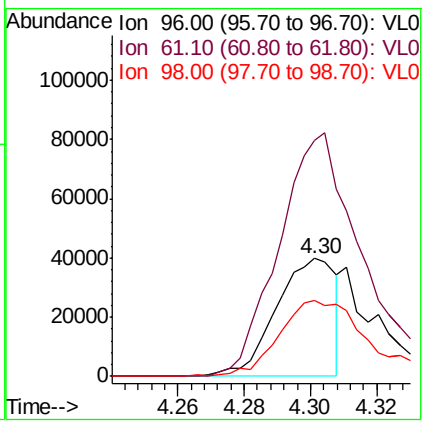


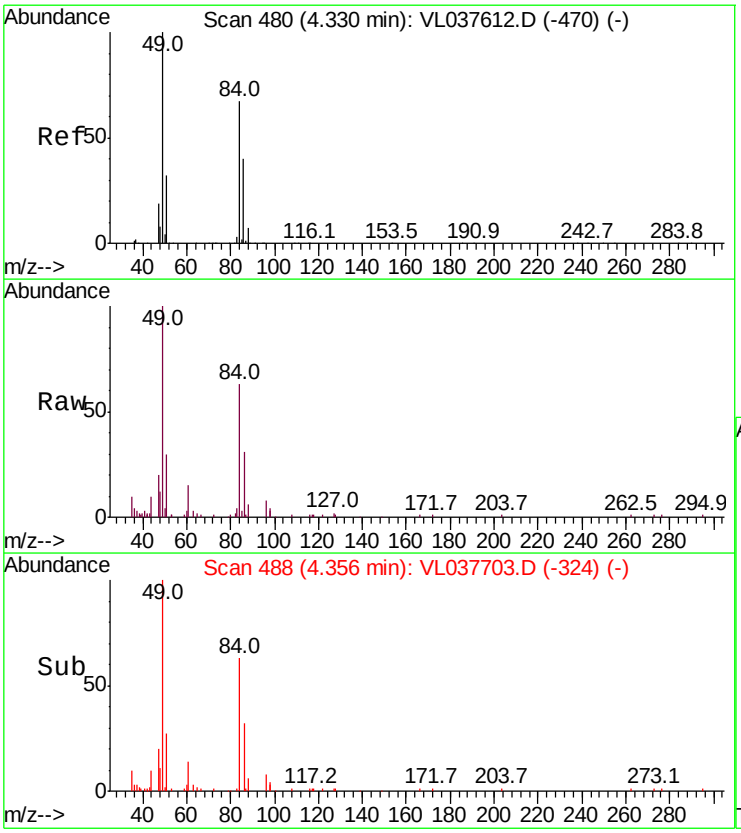
#18
1,1-Dichloroethene
Concen: 0.694 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 49783

Ion	Ratio	Lower	Upper
96	100		
61	200.3	150.4	225.6
98	64.5	52.1	78.1

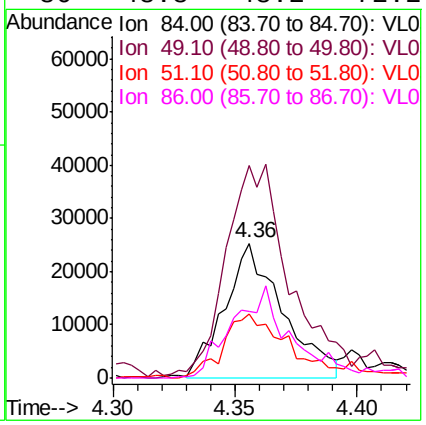


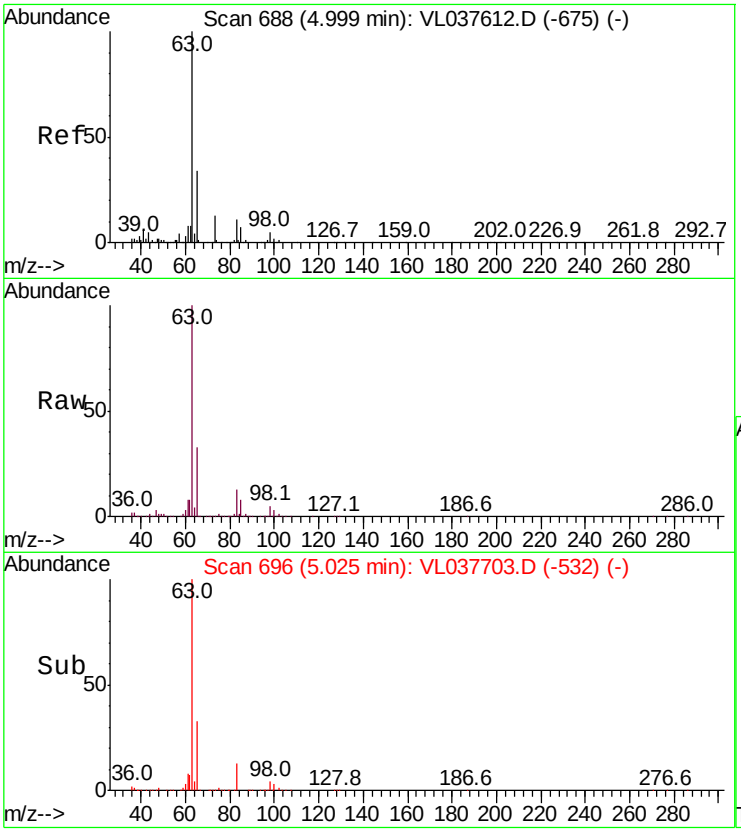


#20
Methylene Chloride
Concen: 0.589 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion: 84 Resp: 41924

Ion	Ratio	Lower	Upper
84	100		
49	155.1	120.0	180.0
51	45.8	38.0	57.0
86	48.8	48.2	72.2



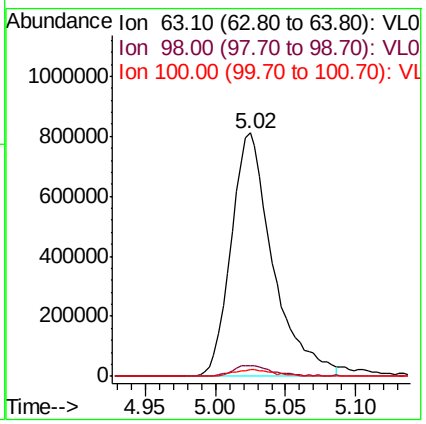


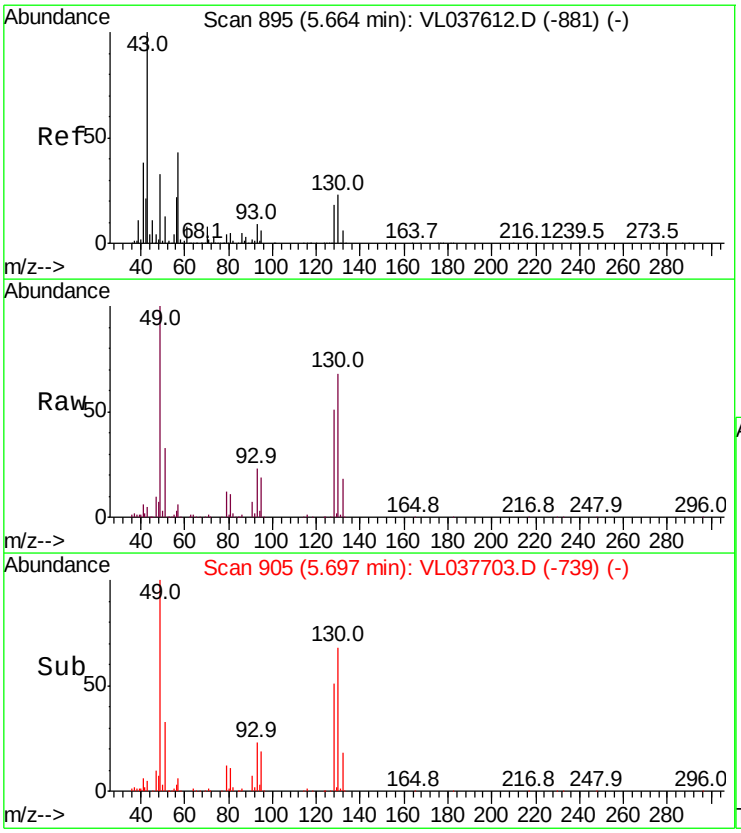
#24
1,1-Dichloroethane
Concen: 11.349 ppbv
RT: 5.02
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1678703

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.2
100	2.9	1.1	3.5

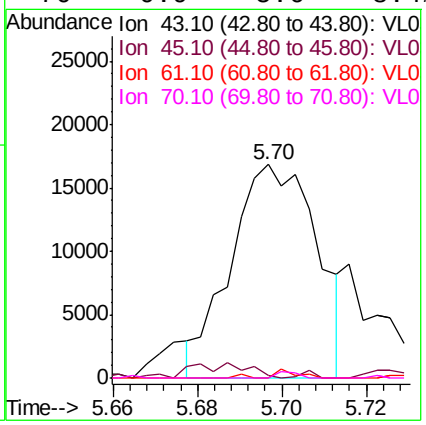


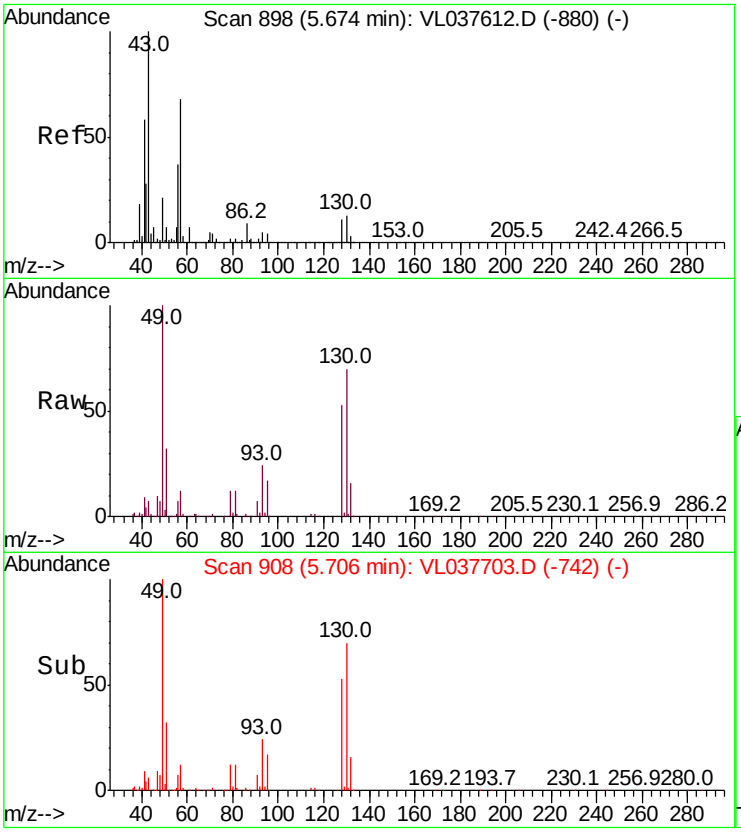


#25
Ethyl Acetate
Concen: 0.066 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion: 43 Resp: 23862

Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.0	12.0#
61	1.2	7.5	11.3#
70	0.9	5.6	8.4#



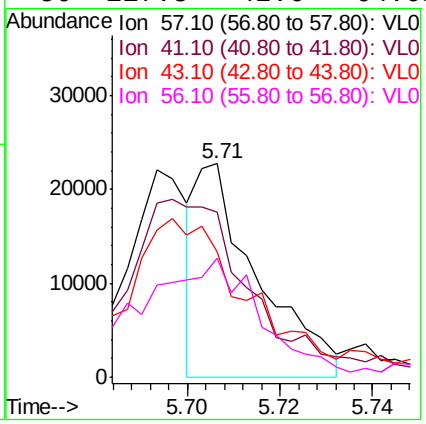


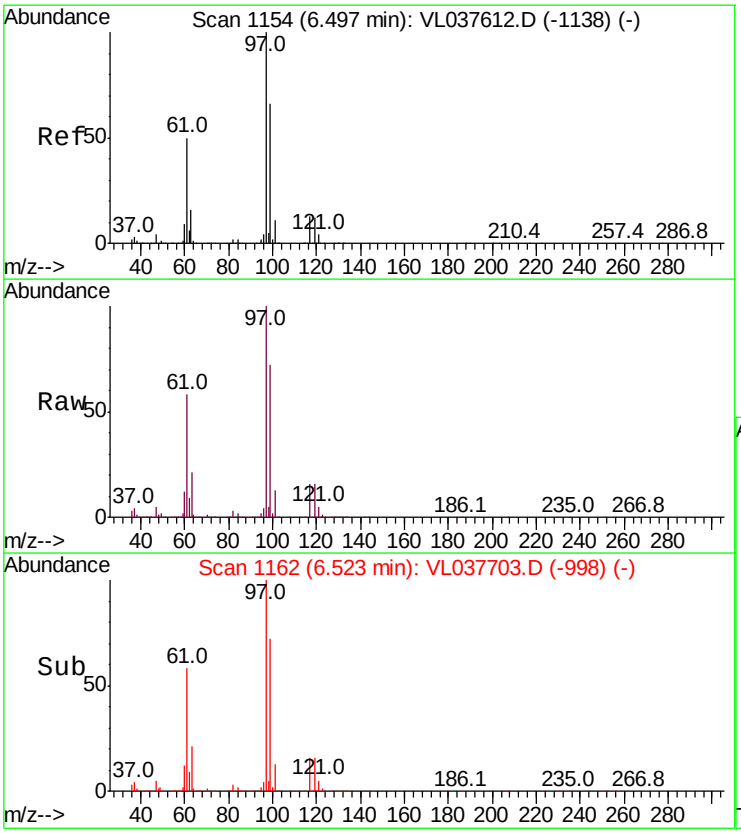
#26
Hexane
Concen: 0.122 ppbv
RT: 5.71
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 20905

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.9	106.3#
43	0.0	170.4	255.6#
56	117.8	42.6	64.0#

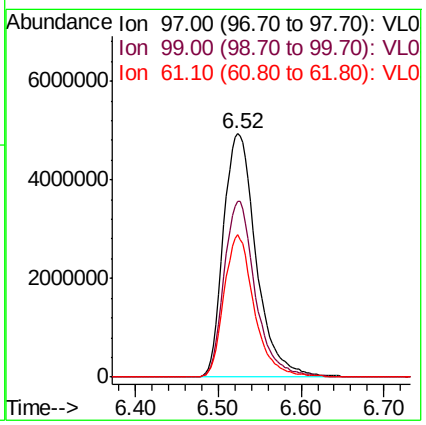


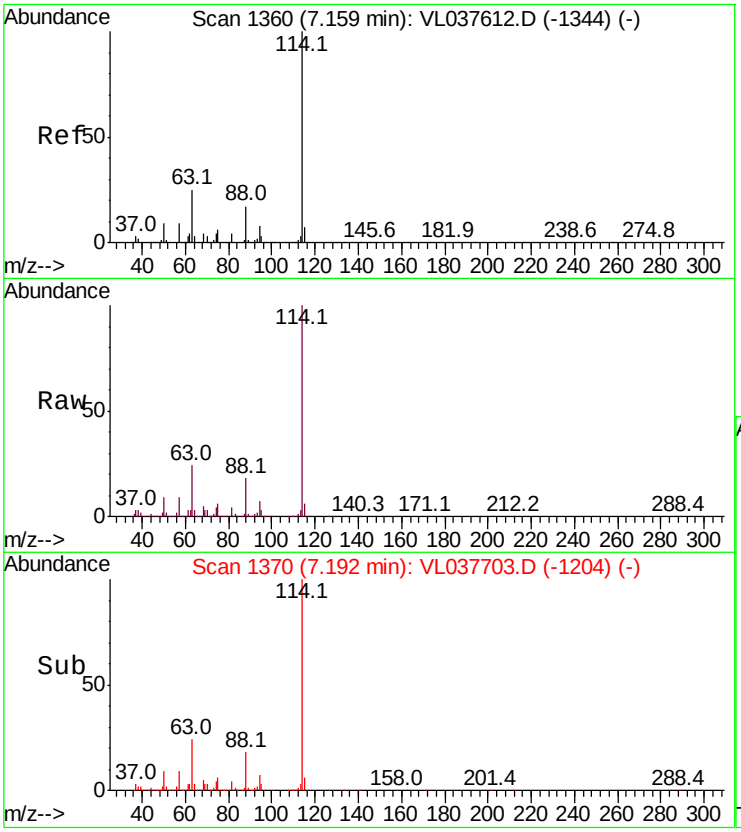


#32
1,1,1-Trichloroethane
Concen: 58.173 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.03 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion: 97 Resp:13576846

Ion	Ratio	Lower	Upper
97	100		
99	69.0	52.3	78.5
61	54.2	39.5	59.3



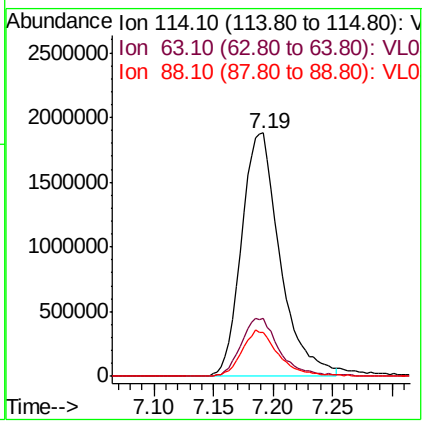


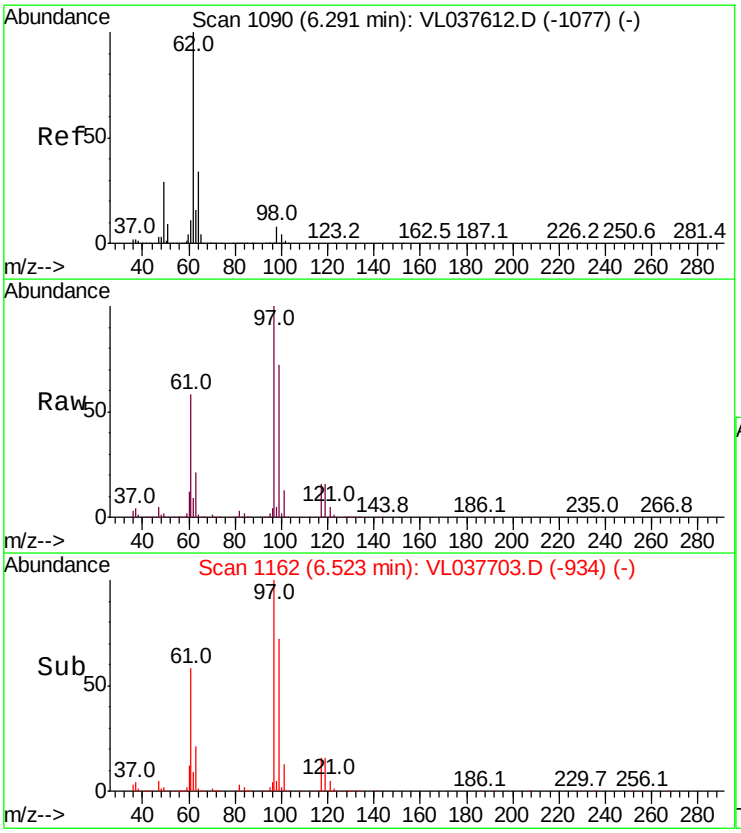
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4215584

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	18.3	14.2	21.4

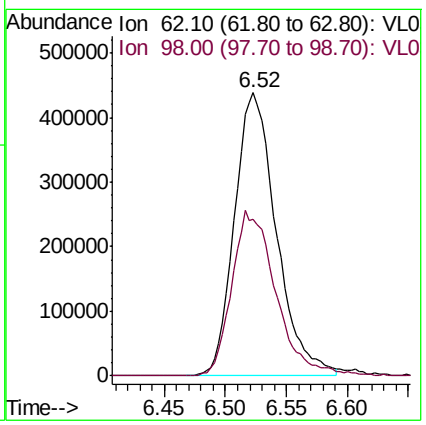


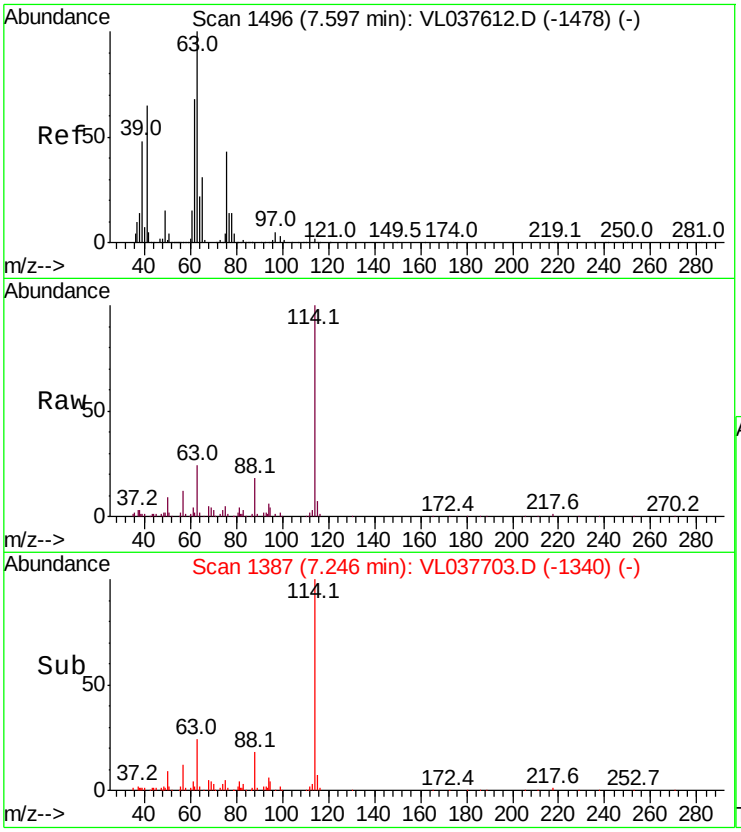


#37
1,2-Dichloroethane
Concen: 6.030 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.23 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion: 62 Resp: 1042435

Ion	Ratio	Lower	Upper
62	100		
98	61.5	6.1	9.1#



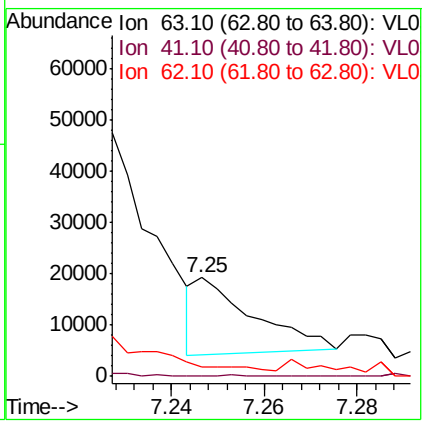


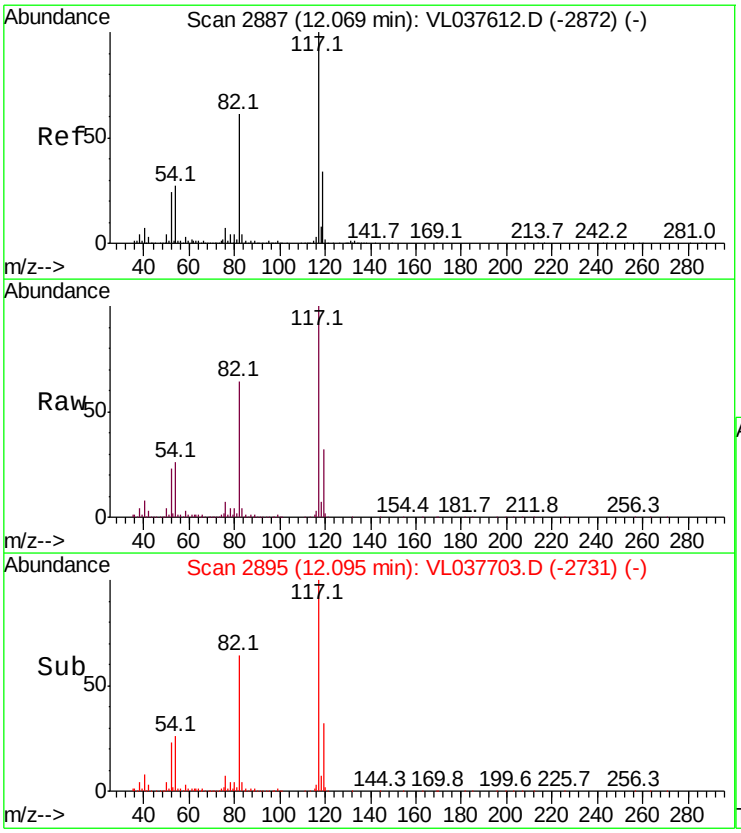
#39
1,2-Dichloropropane
Concen: 0.095 ppbv
RT: 7.25
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 12820

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	2.7	54.6	81.8#

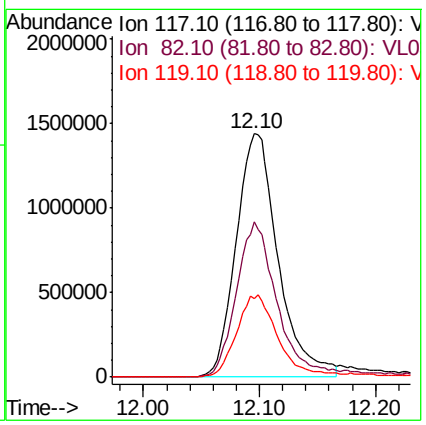


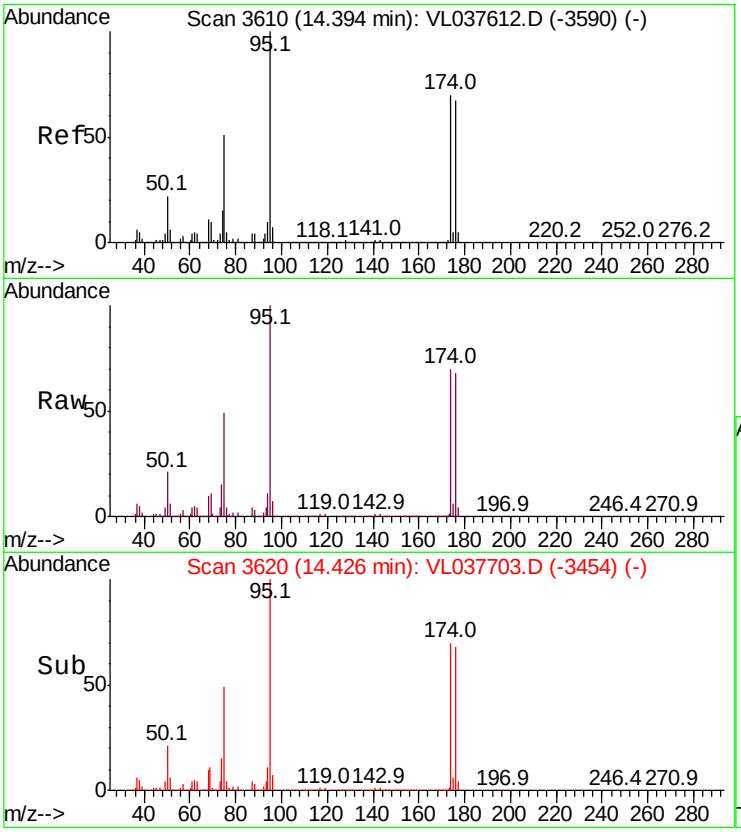


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL037703.D
Acq: 28 Sep 2021 15:38

Tgt Ion:117 Resp: 3630903

Ion	Ratio	Lower	Upper
117	100		
82	65.7	50.6	75.8
119	34.9	26.2	39.2





#68
1-Bromo-4-Fluorobenzene
Concen: 9.475 ppbv
RT: 14.43
Delta R.T
Lab File:
Acq: 28 Sep 2021 15:38

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2486236

Ion	Ratio	Lower	Upper
95	100		
174	80.7	56.3	84.5
175	6.1	4.4	6.6