Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038605.D
Acq On : 14 Mar 2022 20:42
Operator : SY/AP
Sample : N1645-14 0.5 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Quant Time: Mar 15 01:44:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	768467	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2000224	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.05	117	1799674	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1402736	10.25	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	89443	0.77	ppbv		96
3) Chlorodifluoromethane	2.98	51	82615	0.61	ppbv		100
4) Chloromethane	3.13	50	31057	0.62	ppbv		100
5) Vinyl Chloride	3.24	62	27432	0.54	ppbv	#	87
6) Bromomethane	3.47	94	16278	0.60	ppbv	#	79
7) Chloroethane	3.55	64	9562	0.59	ppbv		90
8) Dichlorotetrafluoroethane	3.18	85	73407	0.65	ppbv		99
9) Propene	3.01	41	24497	0.51	ppbv		94
10) Heptane	8.10	43	53970	0.47	ppbv		94
11) Trichlorofluoromethane	3.93	101	61215	0.60	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	47704	0.60	ppbv		96
13) Ethanol	3.61	45	1652	0.30	ppbv	#	1
14) Bromoethene	3.73	108	19115	0.57	ppbv	#	88
15) Acetone	3.85	43	31006	0.57	ppbv		90
16) 1,3-Butadiene	3.32	39	23728	0.54	ppbv		92
17) tert-Butyl alcohol	4.29	59	27316	0.46	ppbv	#	91
18) 1,1-Dichloroethene	4.28	96	20867	0.59	ppbv		86
19) Isopropyl Alcohol	3.97	45	17186	0.47	ppbv	#	86
20) Methylene Chloride	4.33	84	19134	0.59	ppbv		99
21) Allyl Chloride	4.39	41	26718	0.51	ppbv	#	88
22) trans-1,2-Dichloroethene	4.87	96	18555	0.50	ppbv		98
23) Vinyl Acetate	5.06	43	18316	0.24	ppbv	#	95
24) 1,1-Dichloroethane	4.99	63	42019	0.59	ppbv		99
25) Ethyl Acetate	5.67	43	97123	0.53	ppbv		97
26) Hexane	5.66	57	43099	0.50	ppbv	#	85
27) Carbon Disulfide	4.53	76	43684	0.51	ppbv	#	85
28) Methyl tert-Butyl Ether	5.03	73	37022	0.53	ppbv		99
29) Chloroform	5.73	83	79503	0.60	ppbv		95
30) Cyclohexane	7.11	84	17560	0.24	ppbv	#	1
31) cis-1,2-Dichloroethene	5.52	61	14661	0.18	ppbv		92
32) 1,1,1-Trichloroethane	6.48	97	70568	0.55	ppbv		96
34) 2-Butanone	5.24	43	25160	0.49	ppbv	#	87
35) Carbon Tetrachloride	6.99	117	75505	0.55	ppbv		99
36) Benzene	6.86	78	84525	0.47	ppbv		96
37) 1,2-Dichloroethane	6.28	62	49722	0.58	ppbv		99
38) Trichloroethene	7.80	130	34132	0.47	ppbv		95
39) 1,2-Dichloropropane	7.59	63	37822	0.54	ppbv		95
40) 1,4-Dioxane	7.85	88	5342	0.31	ppbv	#	1
41) Tetrahydrofuran	6.05	42	5565	0.13	ppbv	#	1
42) Bromodichloromethane	7.76	83	73658	0.54	ppbv		92
43) Methyl Methacrylate	8.00	69	16841	0.27	ppbv	#	56

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038605.D
Acq On : 14 Mar 2022 20:42
Operator : SY/AP
Sample : N1645-14 0.5 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Quant Time: Mar 15 01:44:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	154599	0.51	ppbv		94
45) t-1,3-Dichloropropene	9.28	75	1703	0.04	ppbv		97
46) cis-1,3-Dichloropropene	8.68	75	24134	0.40	ppbv	#	85
47) 1,1,2-Trichloroethane	9.45	97	38136	0.54	ppbv		90
48) Dibromochloromethane	10.27	129	56429	0.50	ppbv		98
49) Bromoform	13.01	173	44621	0.52	ppbv		97
50) 4-Methyl-2-Pentanone	8.74	43	31701	0.30	ppbv	#	75
51) 2-Hexanone	10.12	43	5670	0.13	ppbv	#	1
52) Tetrachloroethene	11.19	164	30542	0.46	ppbv		88
53) Toluene	9.77	91	78236	0.41	ppbv		99
54) 1,2-Dibromoethane	10.58	107	47577	0.47	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.10	131	45153	0.62	ppbv	#	1
57) Chlorobenzene	12.11	112	82289	0.60	ppbv		95
58) Ethyl Benzene	12.68	91	101090	0.43	ppbv		100
59) m/p-Xylene	12.96	91	76874	0.39	ppbv	#	1
60) o-Xylene	13.66	91	86953	0.46	ppbv		97
61) Styrene	13.49	104	18881	0.20	ppbv	#	34
62) Isopropylbenzene	14.63	105	71363	0.27	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	13.64	83	36247	0.23	ppbv	#	1
64) n-propylbenzene	15.53	120	33269	0.50	ppbv		84
65) tert-Butylbenzene	16.72	119	72625	0.31	ppbv	#	39
66) Benzyl Chloride	16.98	91	1054	0.08	ppbv	#	77
67) sec-Butylbenzene	17.27	105	169536	0.51	ppbv		98
69) p-Isopropyltoluene	17.62	119	128566	0.47	ppbv		97
70) n-Butylbenzene	18.52	91	134366	0.46	ppbv		97
71) 2-Chlorotoluene	15.42	91	90599	0.47	ppbv		100
72) 4-Ethyltoluene	15.81	105	98670	0.46	ppbv	#	95
73) 1,3,5-Trimethylbenzene	15.97	105	93536	0.47	ppbv		95
74) 1,2,4-Trimethylbenzene	16.73	105	109596	0.51	ppbv	#	91
75) 1,3-Dichlorobenzene	16.96	146	71698	0.53	ppbv		95
76) 1,4-Dichlorobenzene	17.10	146	62410	0.47	ppbv		90
77) 1,2-Dichlorobenzene	17.79	146	74008	0.54	ppbv		95
78) Hexachloro-1,3-Butadiene	23.34	225	81750	0.61	ppbv		99
79) Naphthalene	22.16	128	61869	0.32	ppbv		95
80) Naphthalene,2-methyl-	24.96	142	1302	0.04	ppbv	#	16
81) 1,2,4-Trichlorobenzene	21.89	180	44346	0.36	ppbv		92

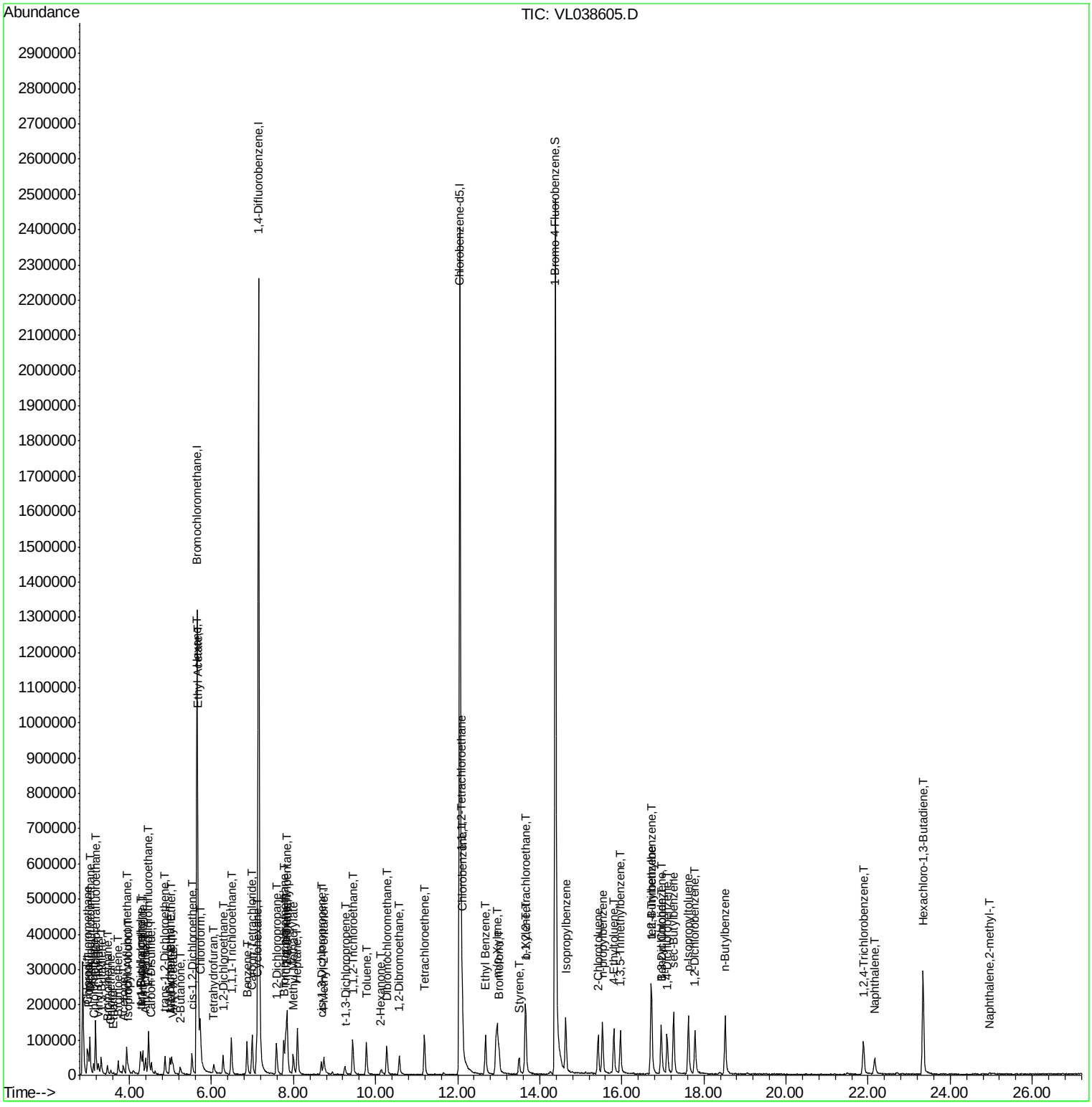
(#) = qualifier out of range (m) = manual integration (+) = signals summed

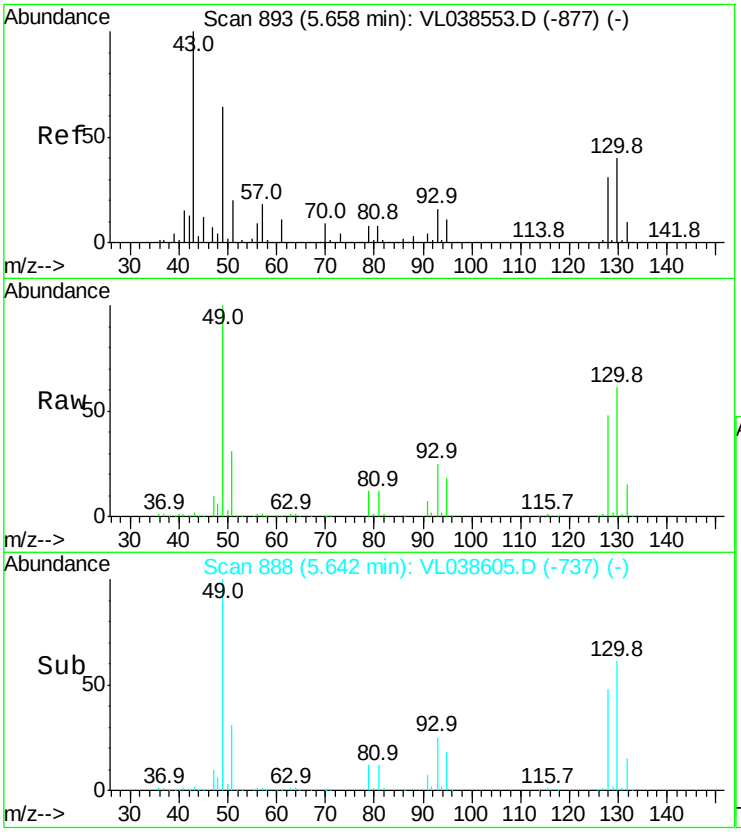
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038605.D
Acq On : 14 Mar 2022 20:42
Operator : SY/AP
Sample : N1645-14 0.5 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Quant Time: Mar 15 01:44:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration



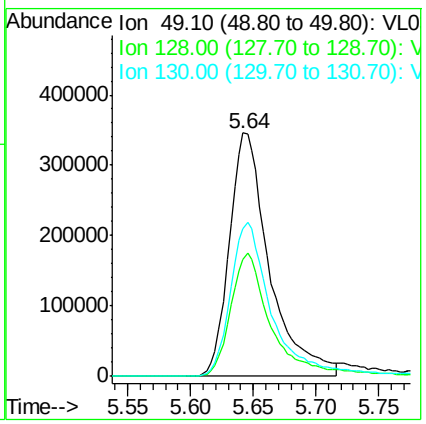


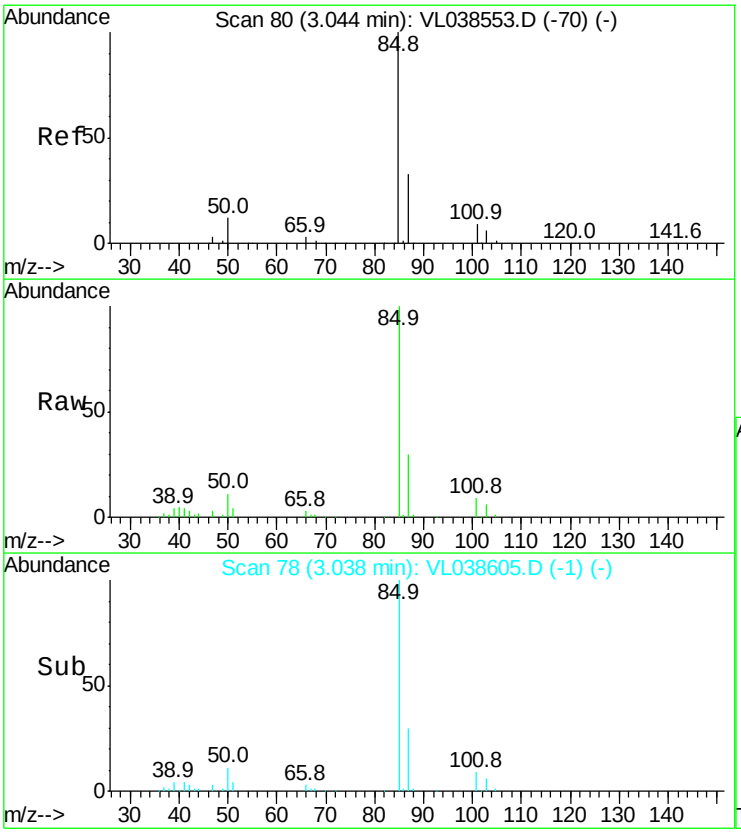
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.64
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 49 Resp: 768467

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.4	79.2
130	67.5	33.0	98.9

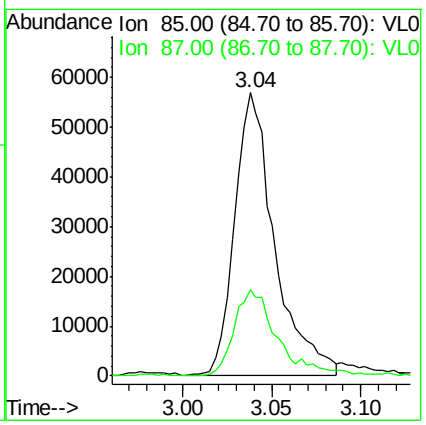


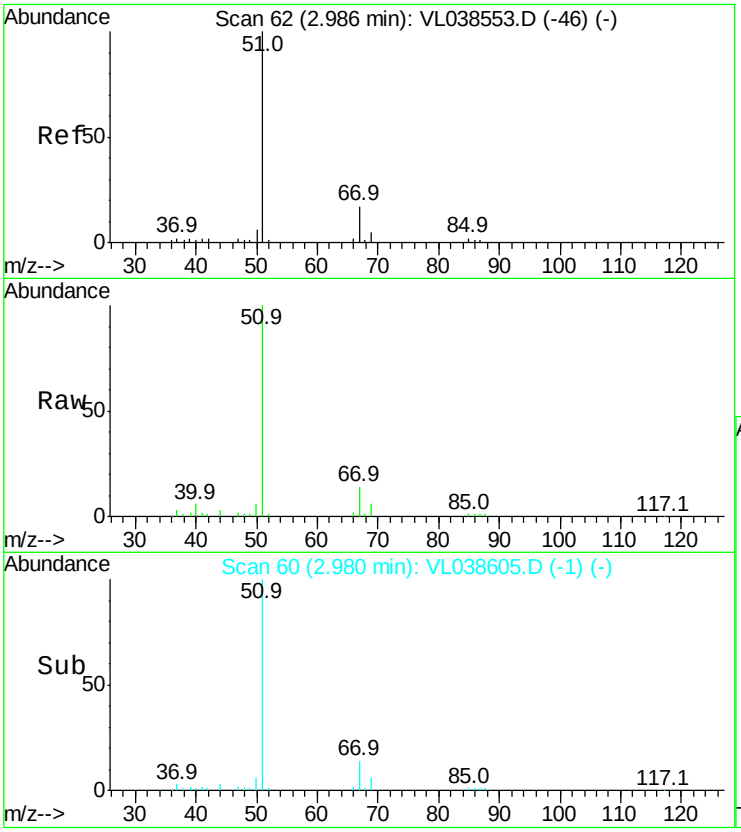


#2
Dichlorodifluoromethane
Concen: 0.77 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 85 Resp: 89443

Ion	Ratio	Lower	Upper
85	100		
87	30.5	26.2	39.2



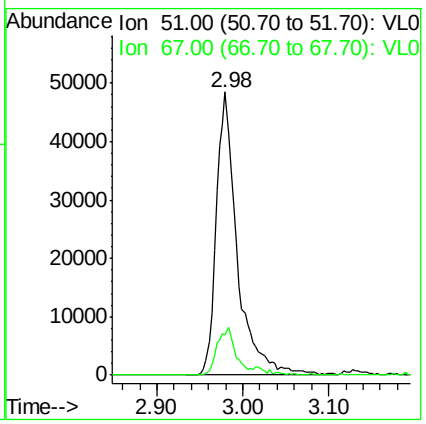


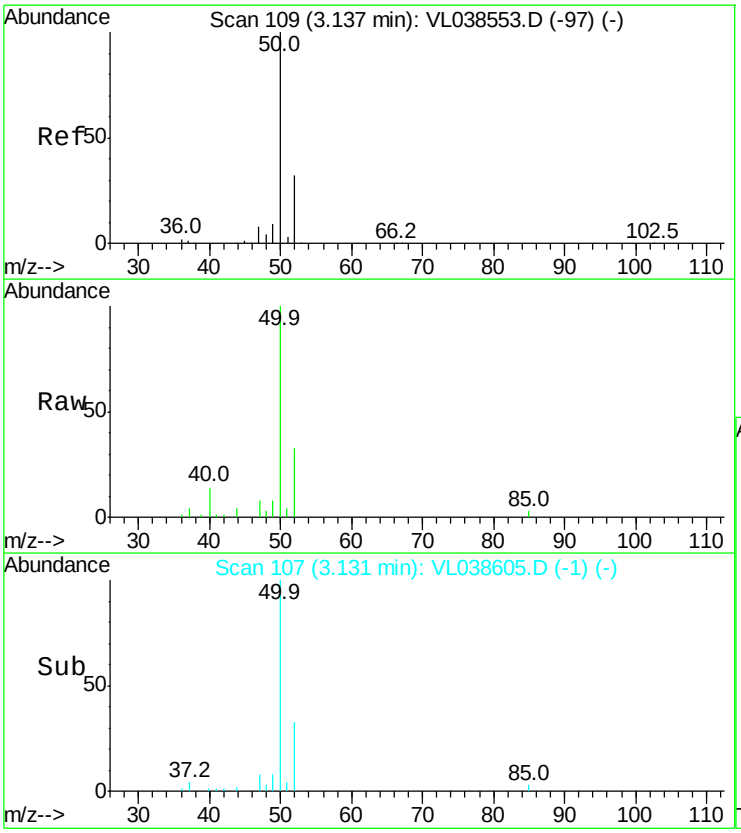
#3
Chlorodifluoromethane
Concen: 0.61 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 51 Resp: 82615

Ion	Ratio	Lower	Upper
51	100		
67	16.9	13.6	20.4

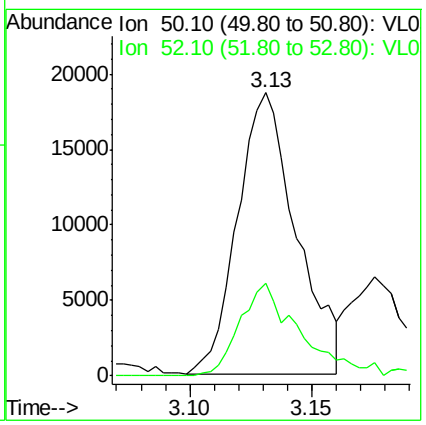


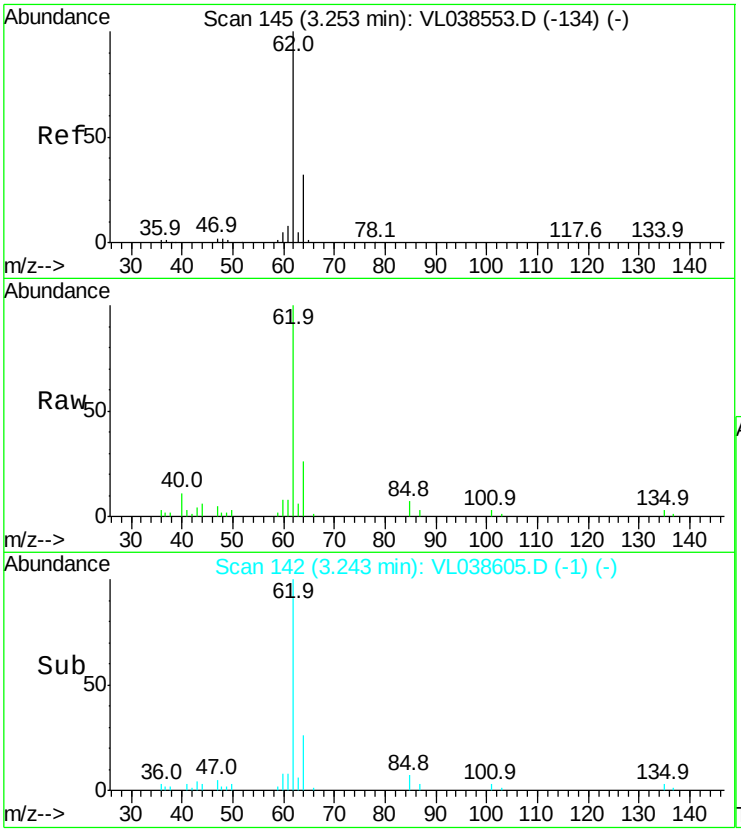


#4
Chloromethane
Concen: 0.62 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 50 Resp: 31057

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.6	38.4



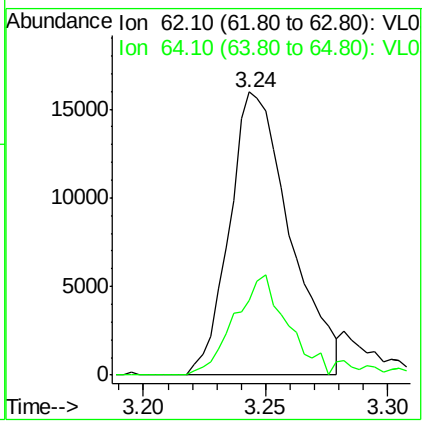


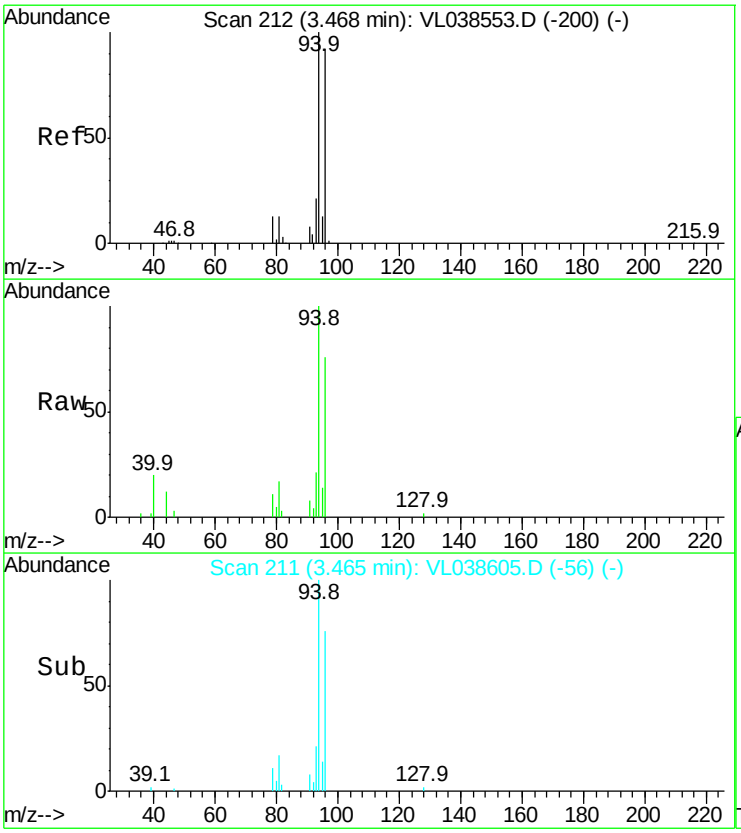
#5
Vinyl Chloride
Concen: 0.54 ppbv
RT: 3.24
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 62 Resp: 27432

Ion	Ratio	Lower	Upper
62	100		
64	24.7	25.8	38.6#

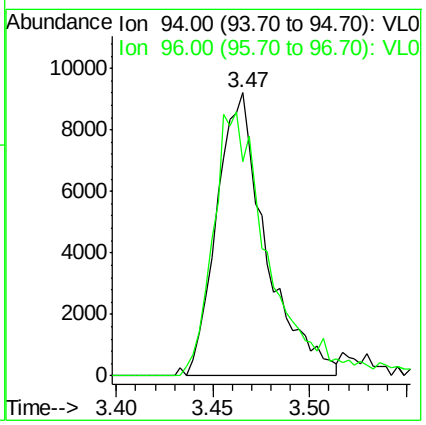


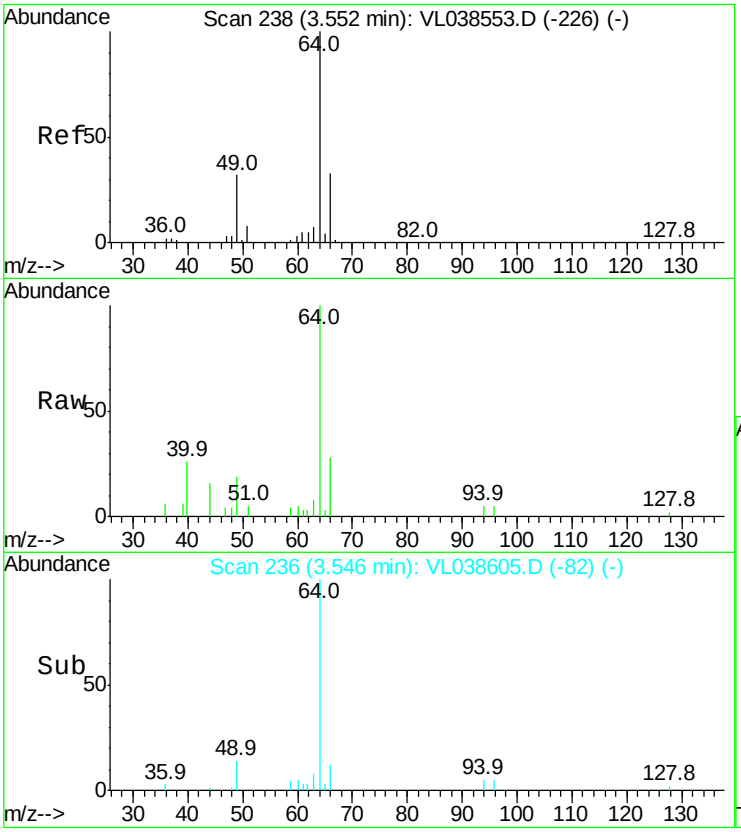


#6
Bromomethane
Concen: 0.60 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 94 Resp: 16278

Ion	Ratio	Lower	Upper
94	100		
96	72.4	73.7	110.5#



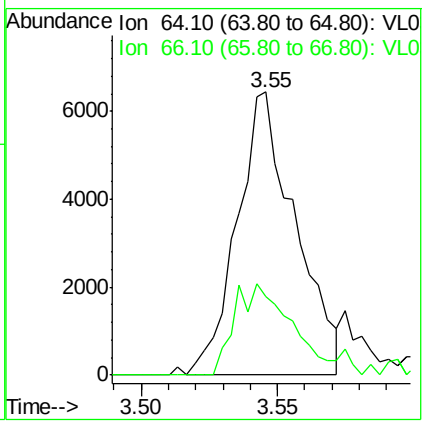


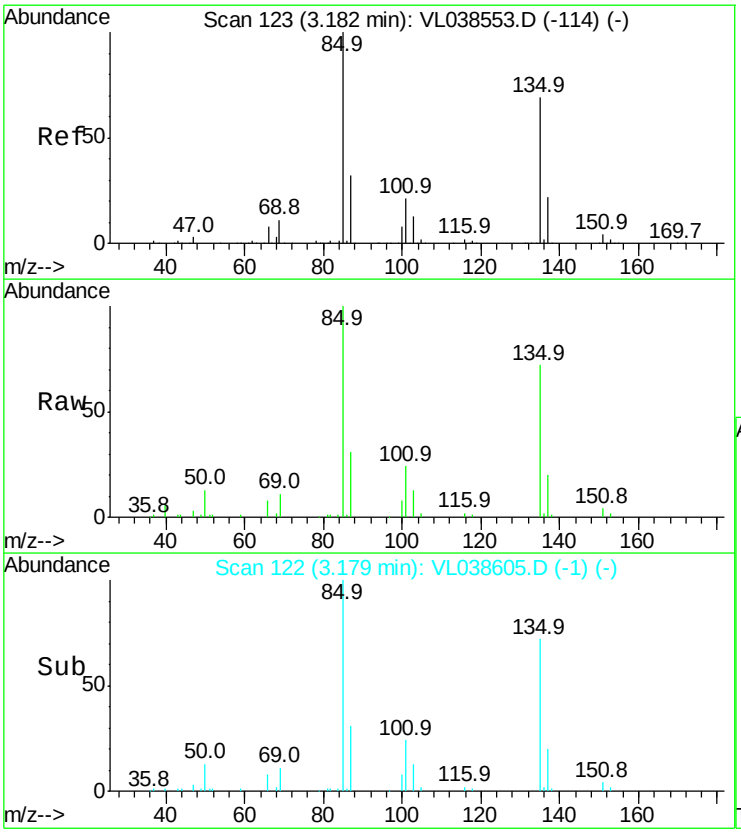
#7
Chloroethane
Concen: 0.59 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 64 Resp: 9562

Ion	Ratio	Lower	Upper
64	100		
66	27.8	26.6	39.8

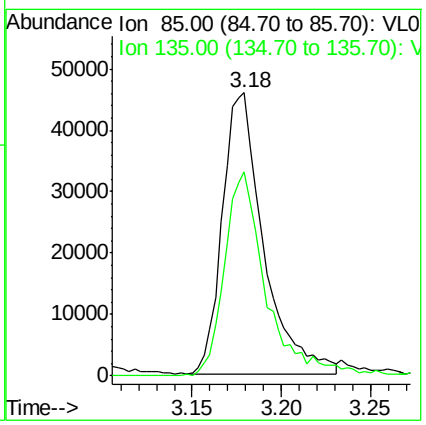


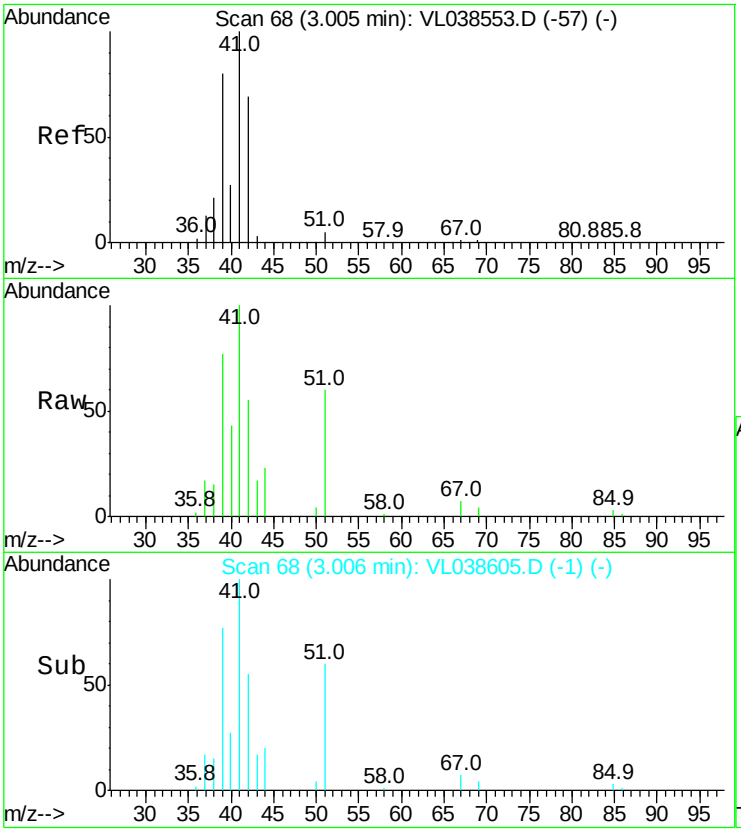


#8
Dichlorotetrafluoroethane
Concen: 0.65 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.00 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 85 Resp: 73407

Ion	Ratio	Lower	Upper
85	100		
135	74.2	59.0	88.4



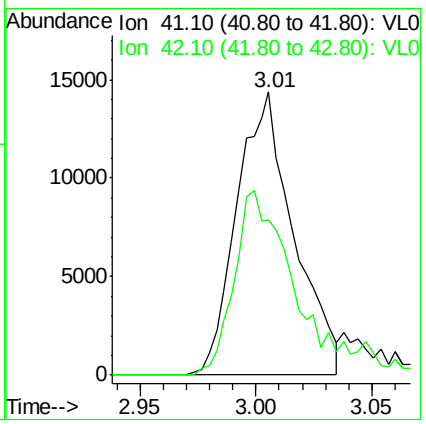


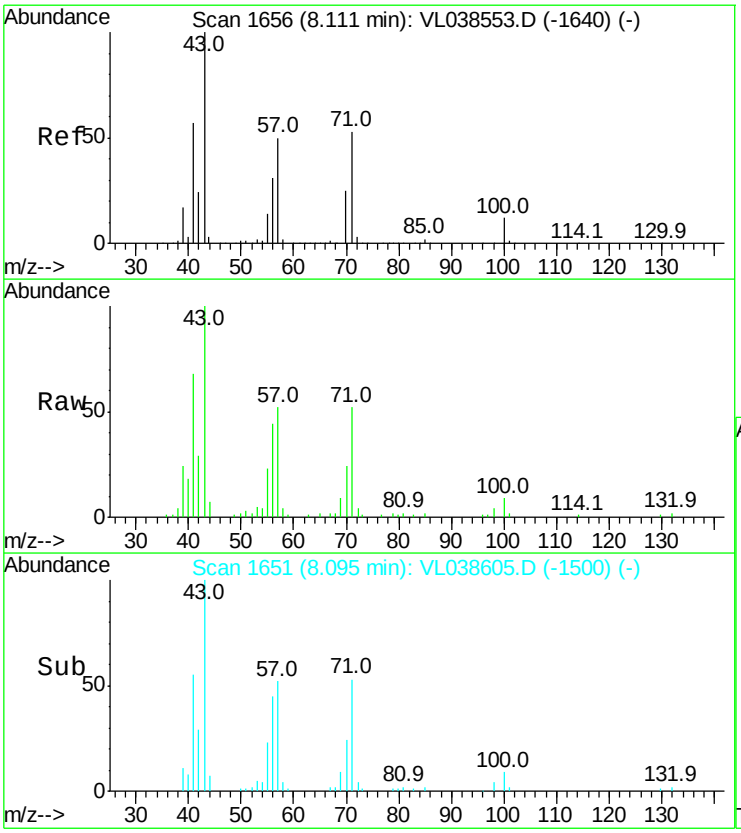
#9
Propene
Concen: 0.51 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 41 Resp: 24497

Ion	Ratio	Lower	Upper
41	100		
42	74.3	55.7	83.5

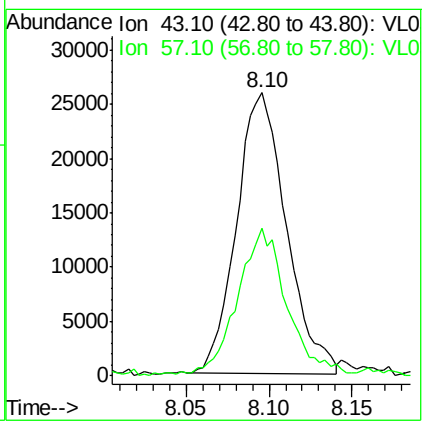


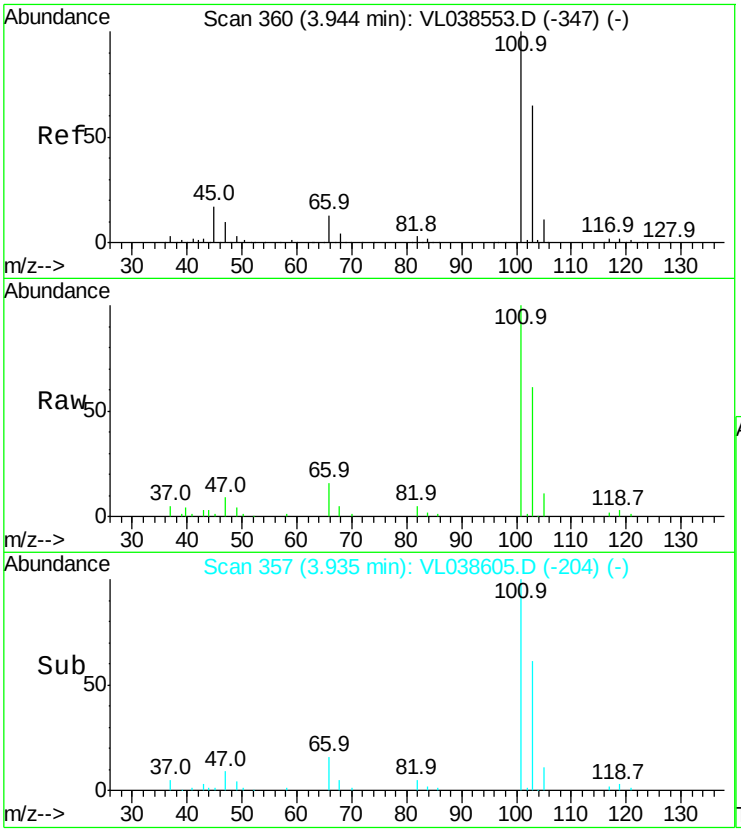


#10
Heptane
Concen: 0.47 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 43 Resp: 53970

Ion	Ratio	Lower	Upper
43	100		
57	53.9	39.6	59.4



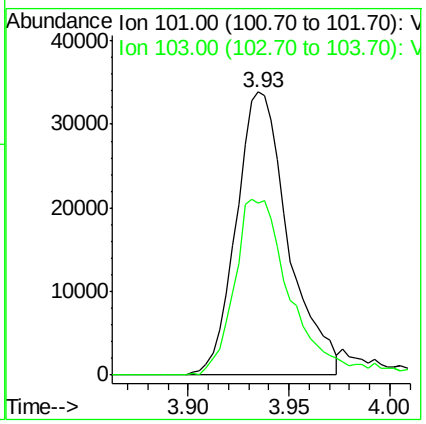


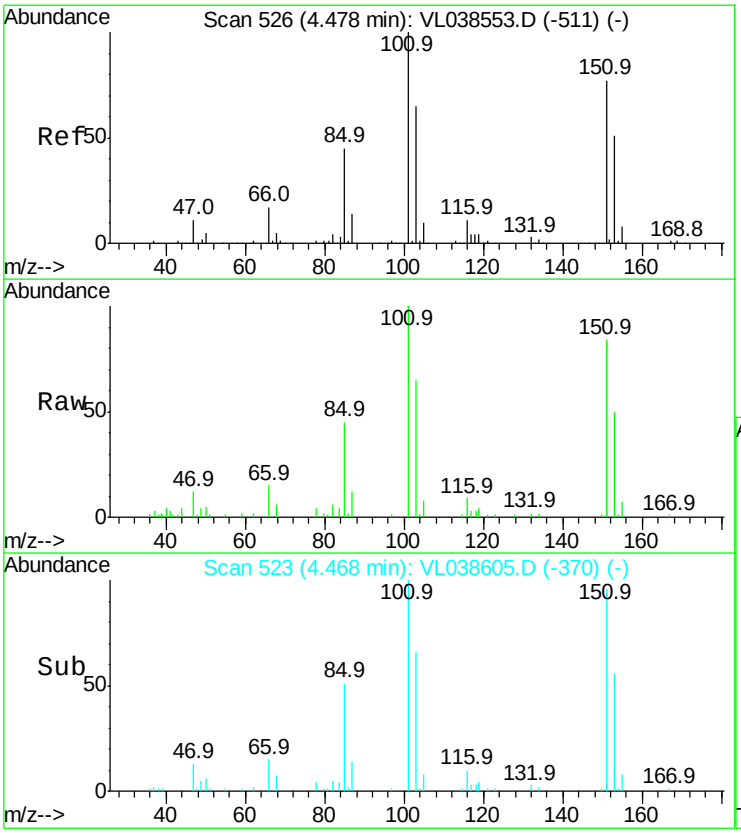
#11
Trichlorofluoromethane
Concen: 0.60 ppbv
RT: 3.93
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:101 Resp: 61215

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.0	78.0

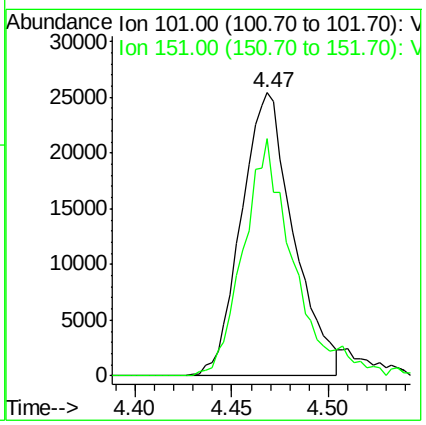


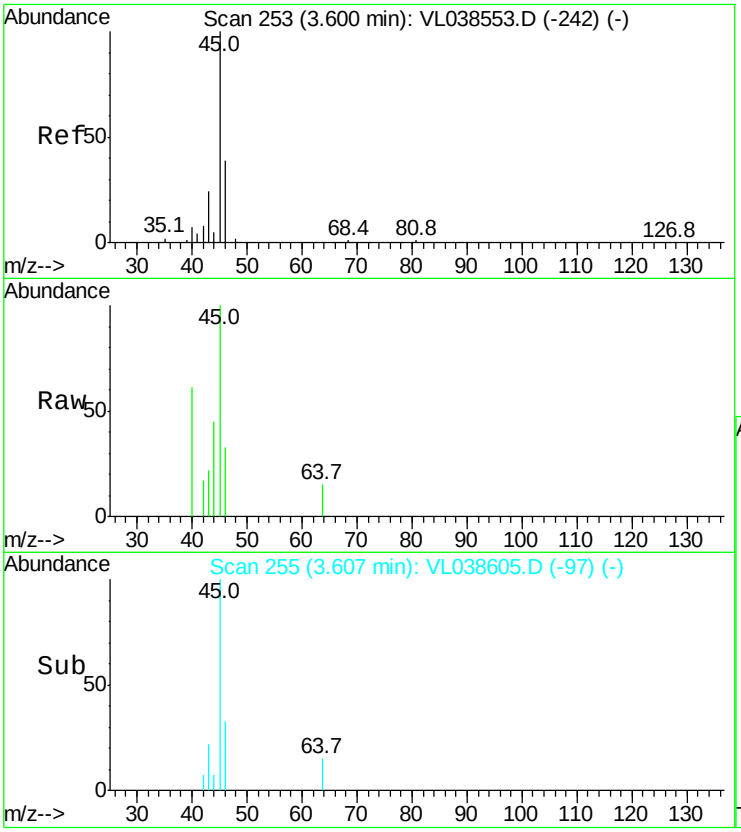


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.60 ppbv
RT: 4.47 min Scan# 523
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:101 Resp: 47704

Ion	Ratio	Lower	Upper
101	100		
151	82.3	63.4	95.0



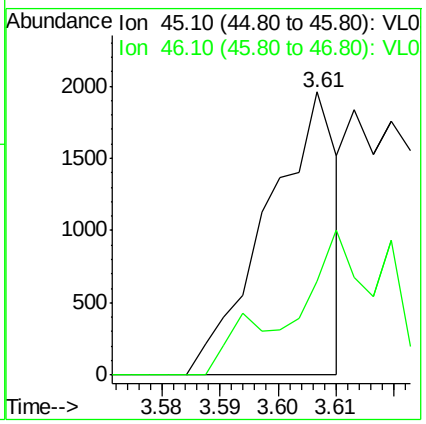


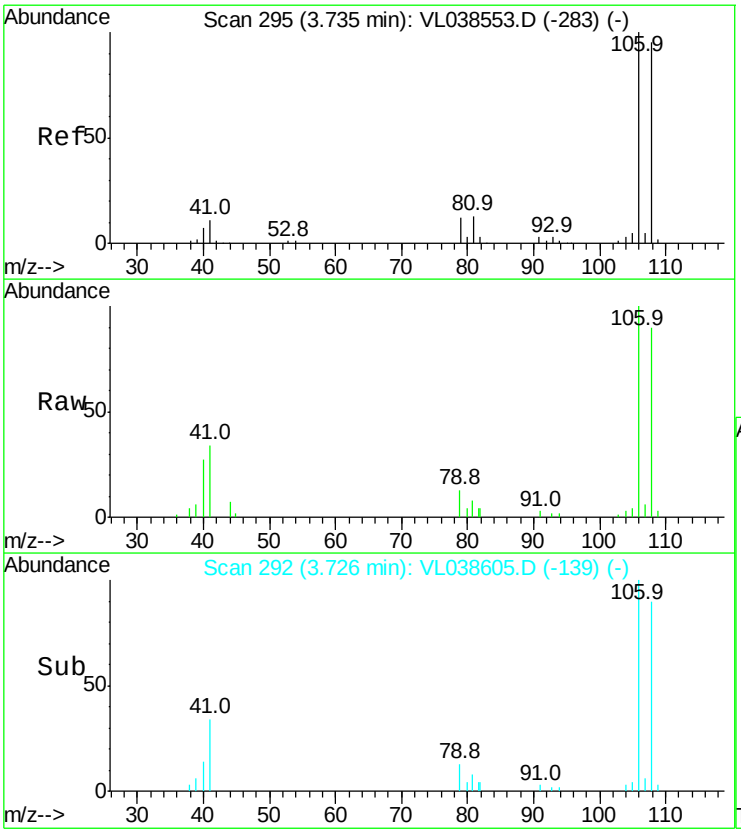
#13
Ethanol
Concen: 0.30 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 45 Resp: 1652

Ion	Ratio	Lower	Upper
45	100		
46	118.3	16.8	67.0#

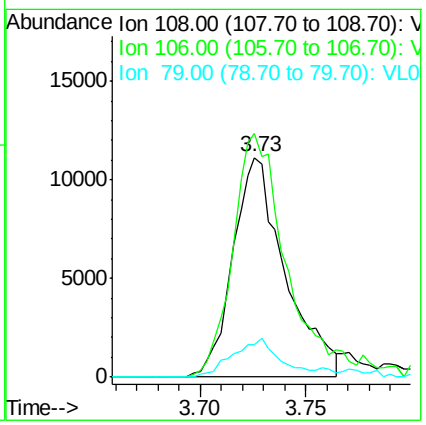


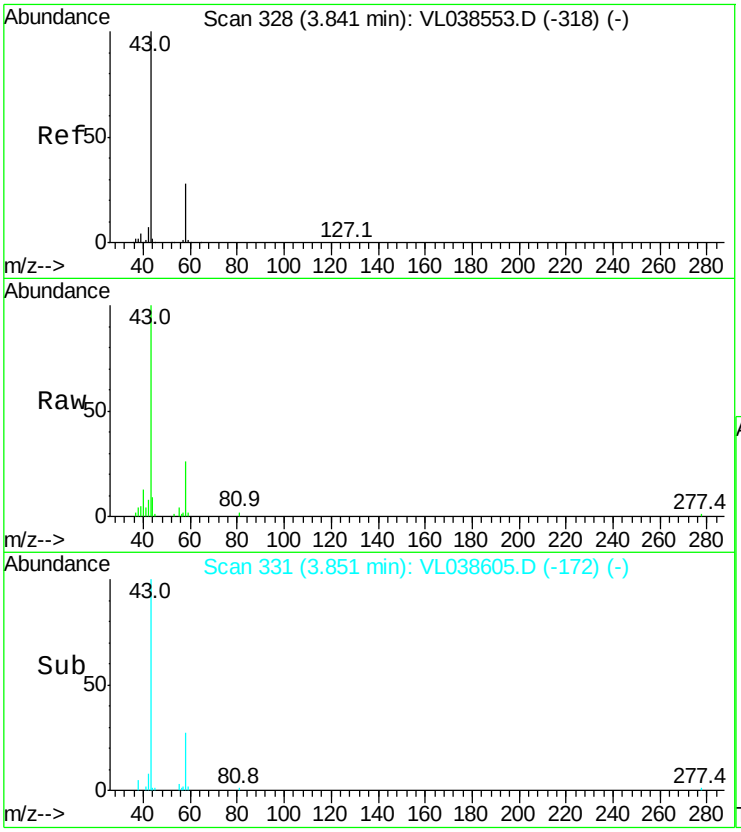


#14
Bromoethene
Concen: 0.57 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:108 Resp: 19115

Ion	Ratio	Lower	Upper
108	100		
106	119.8	85.9	128.9
79	19.0	11.0	16.6#



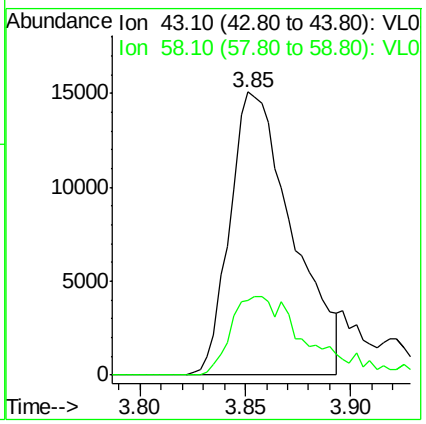


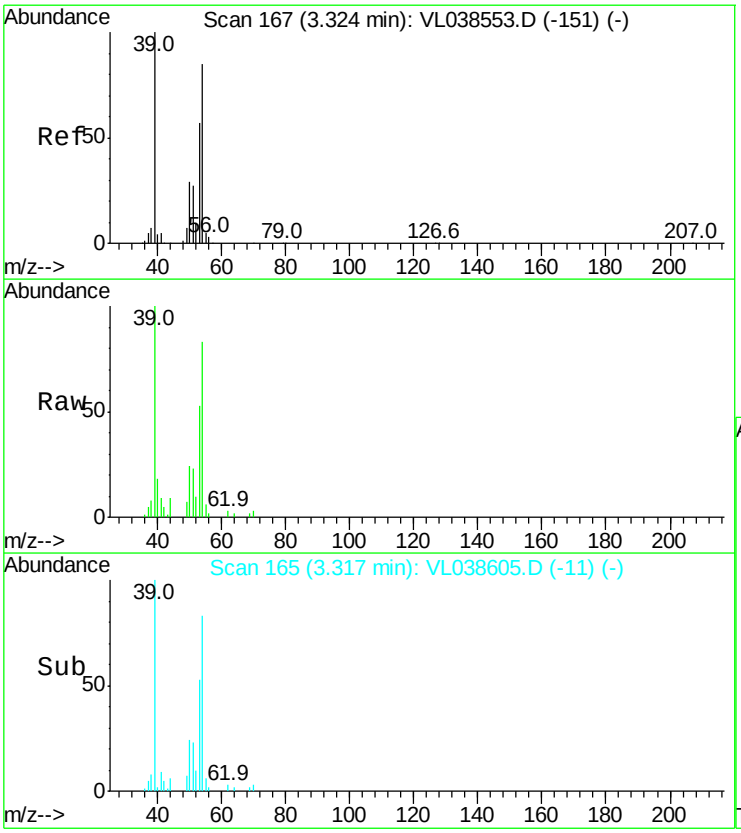
#15
Acetone
Concen: 0.57 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 43 Resp: 31006

Ion	Ratio	Lower	Upper
43	100		
58	33.8	22.7	34.1

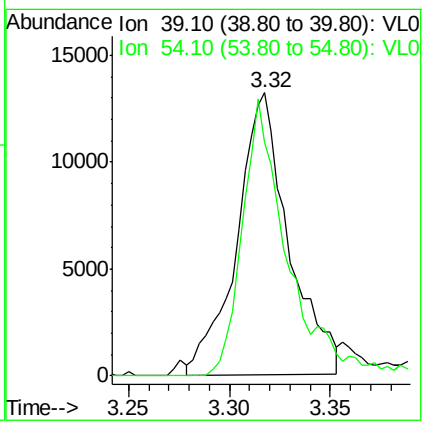


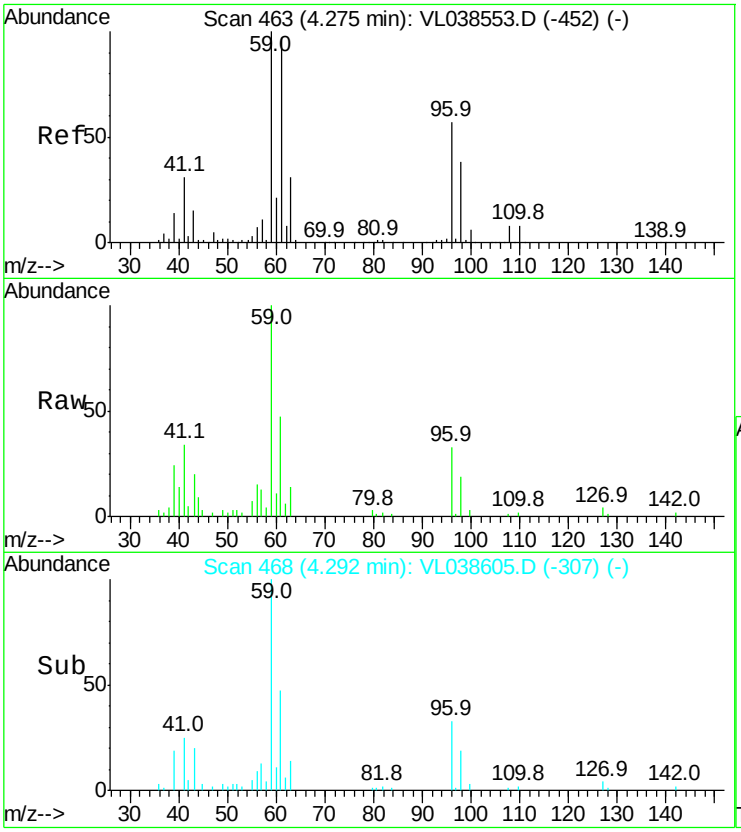


#16
1,3-Butadiene
Concen: 0.54 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 39 Resp: 23728

Ion	Ratio	Lower	Upper
39	100		
54	87.1	64.2	96.2



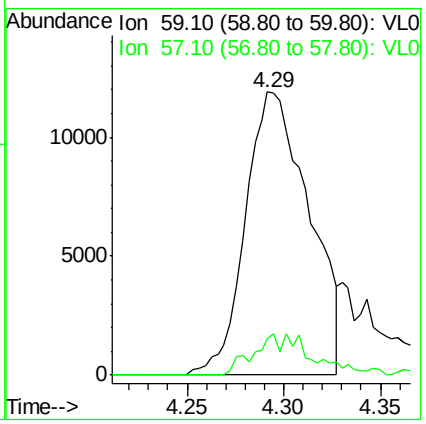


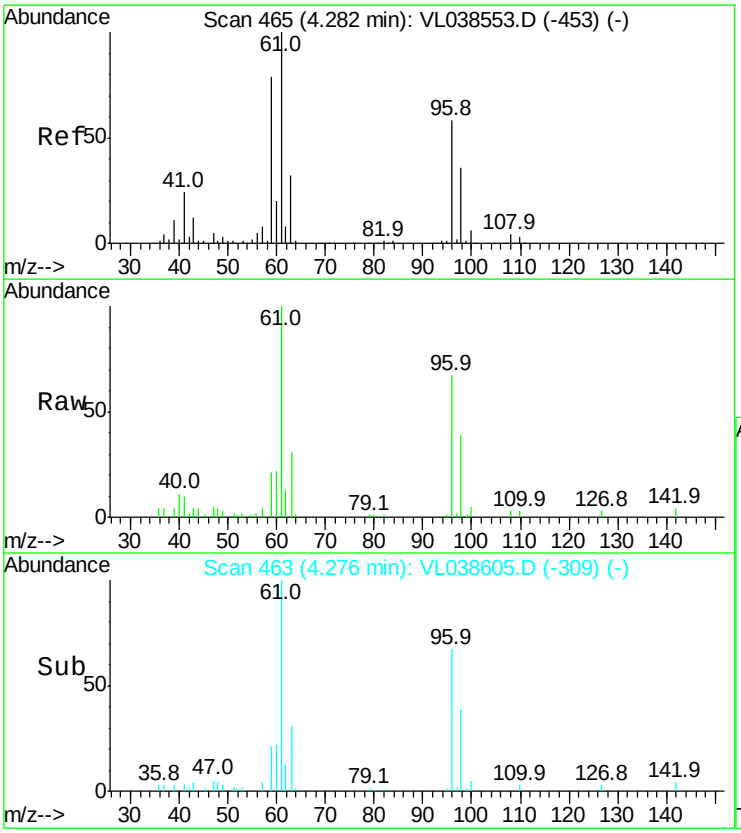
#17
tert-Butyl alcohol
Concen: 0.46 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 59 Resp: 27316

Ion	Ratio	Lower	Upper
59	100		
57	13.3	8.1	12.1#

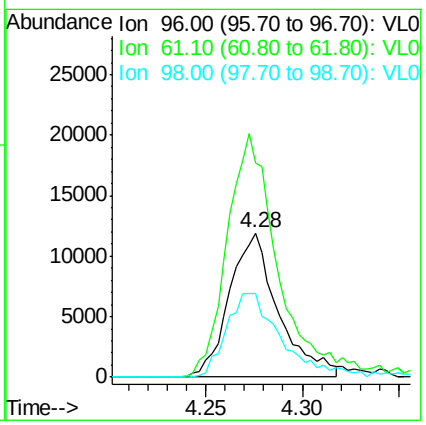


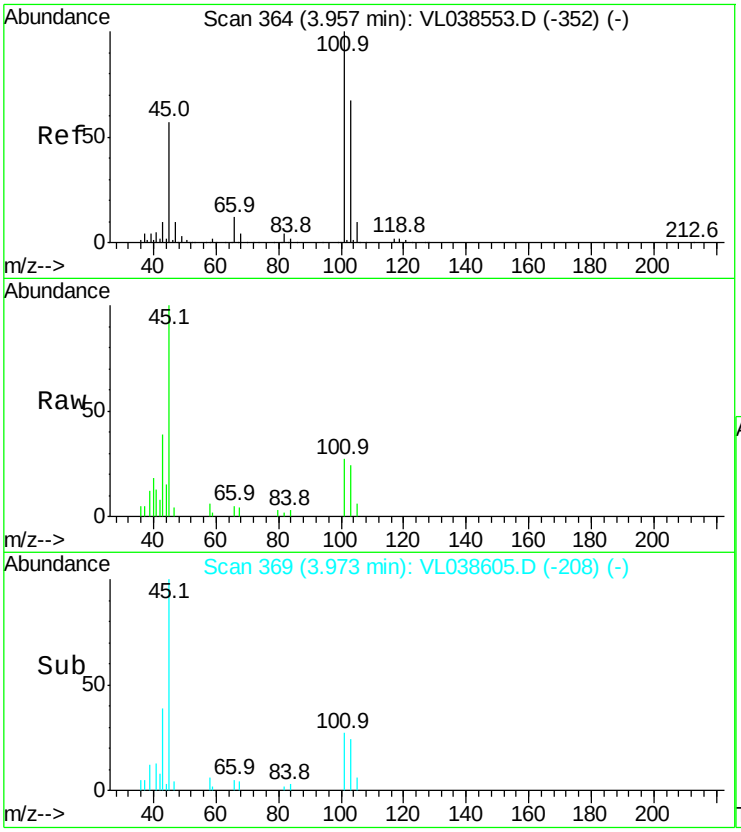


#18
1,1-Dichloroethene
Concen: 0.59 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 96 Resp: 20867

Ion	Ratio	Lower	Upper
96	100		
61	148.7	137.4	206.0
98	56.2	49.3	73.9



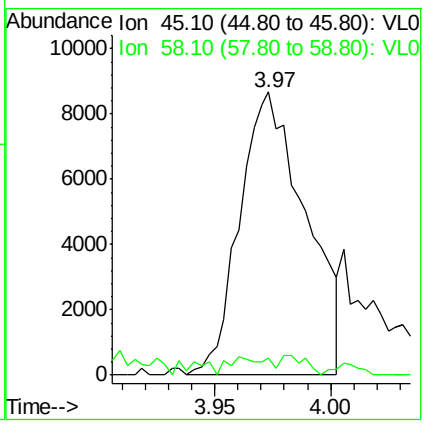


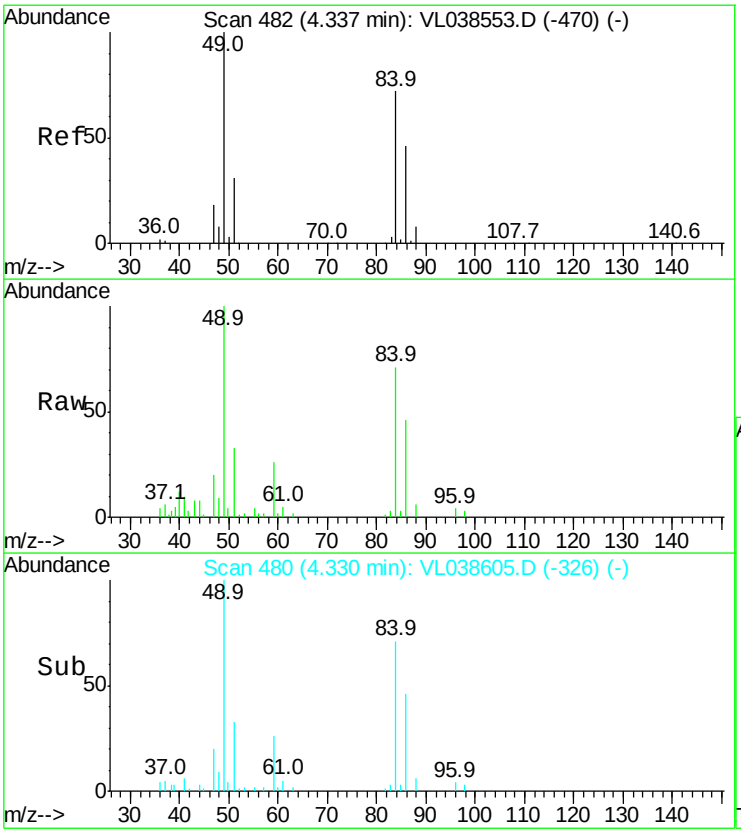
#19
Isopropyl Alcohol
Concen: 0.47 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 45 Resp: 17186

Ion	Ratio	Lower	Upper
45	100		
58	7.6	2.2	3.2#

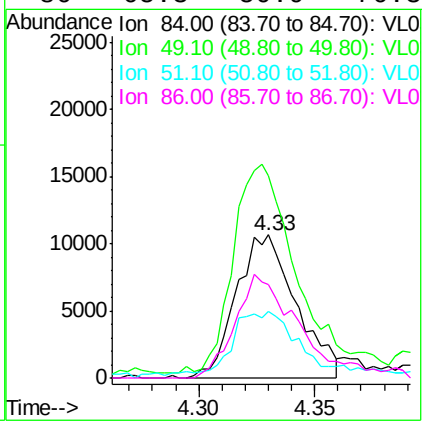


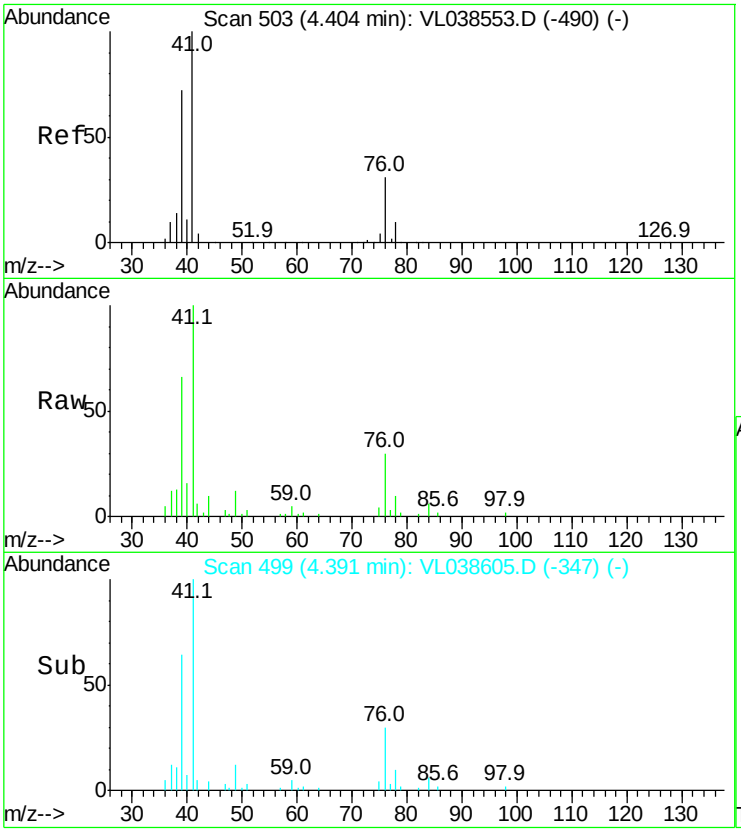


#20
Methylene Chloride
Concen: 0.59 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 84 Resp: 19134

Ion	Ratio	Lower	Upper
84	100		
49	139.5	111.1	166.7
51	42.4	34.0	51.0
86	65.3	50.9	76.3



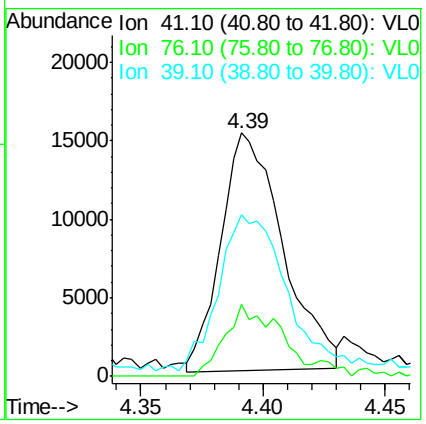


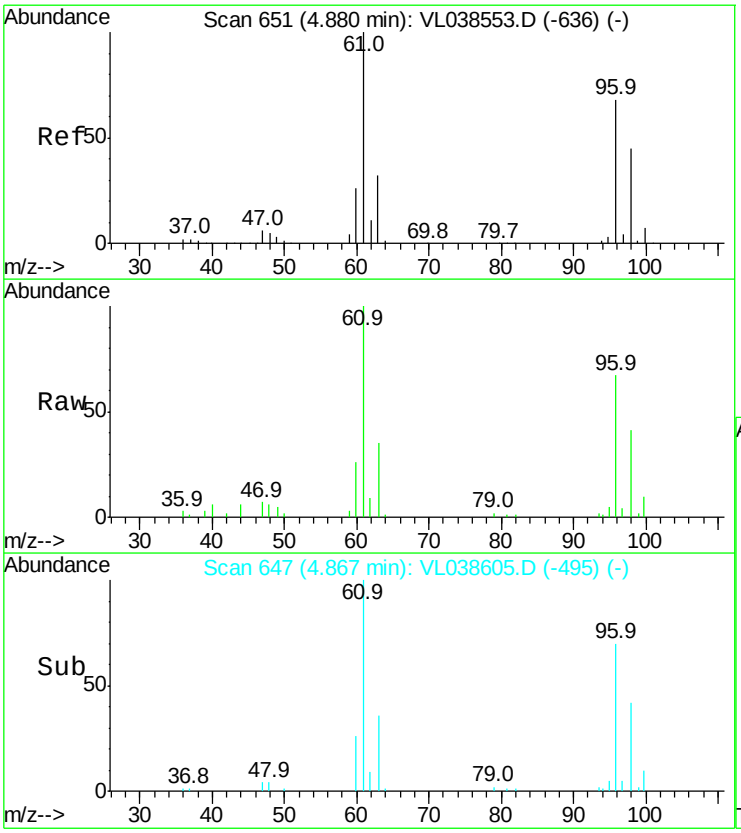
#21
Allyl Chloride
Concen: 0.51 ppbv
RT: 4.39
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 41 Resp: 26718

Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.3	36.5
39	86.0	57.1	85.7#

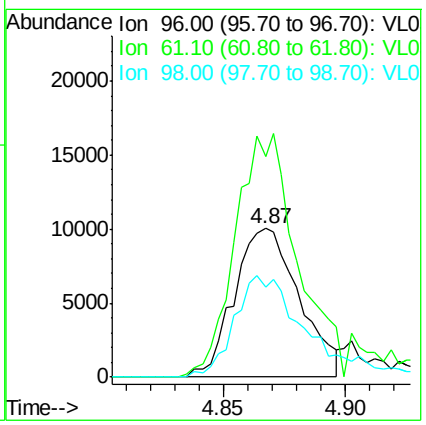


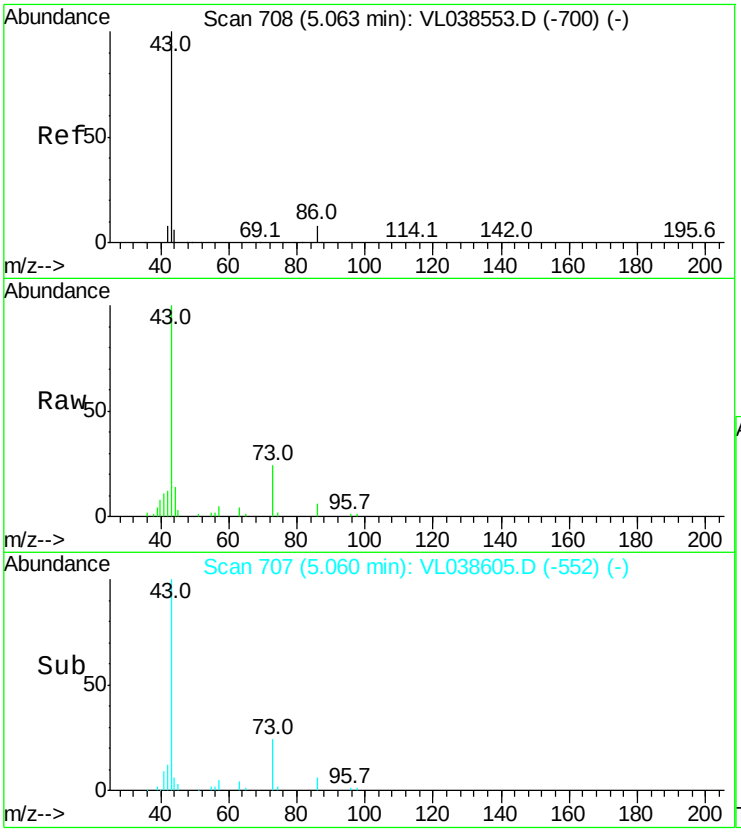


#22
trans-1,2-Dichloroethene
Concen: 0.50 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 96 Resp: 18555

Ion	Ratio	Lower	Upper
96	100		
61	146.9	117.6	176.4
98	60.9	52.6	78.8



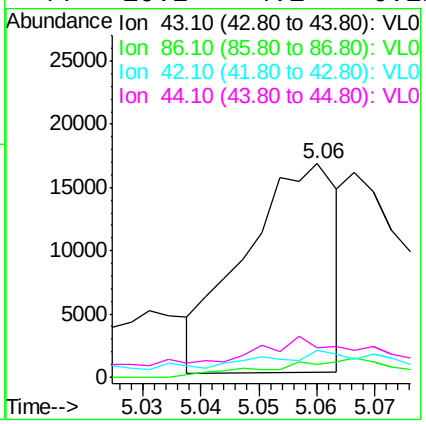


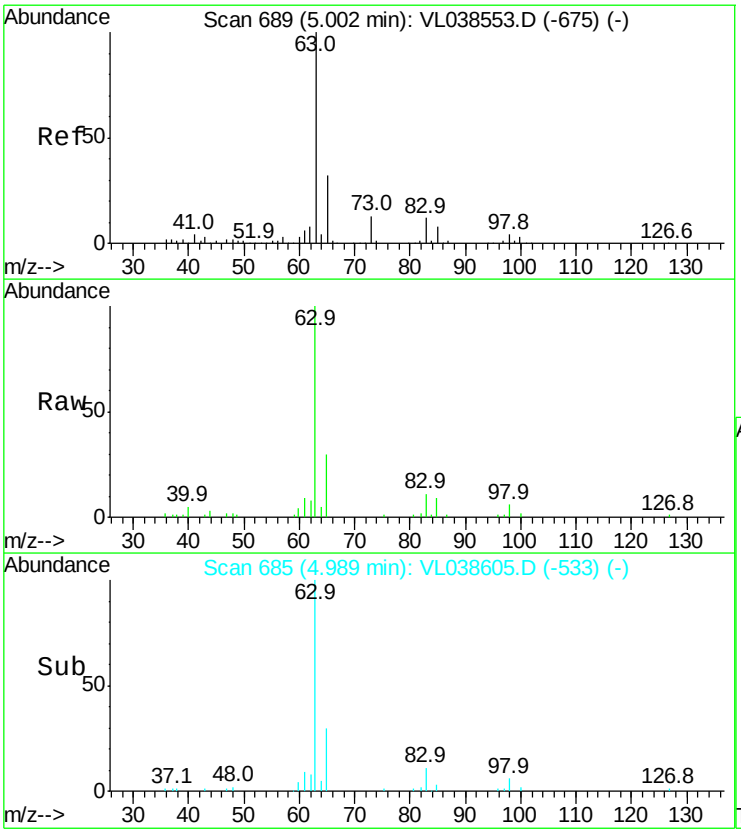
#23
Vinyl Acetate
Concen: 0.24 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 43 Resp: 18316

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.6	8.4
42	9.6	7.1	10.7
44	10.2	4.1	6.1#

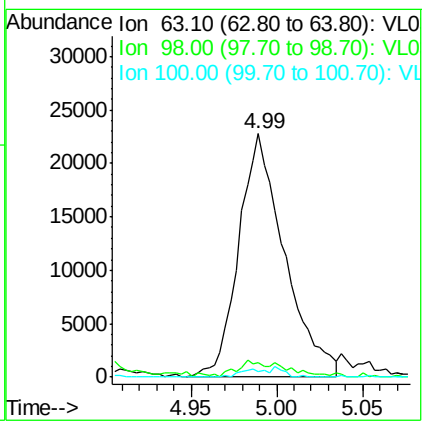


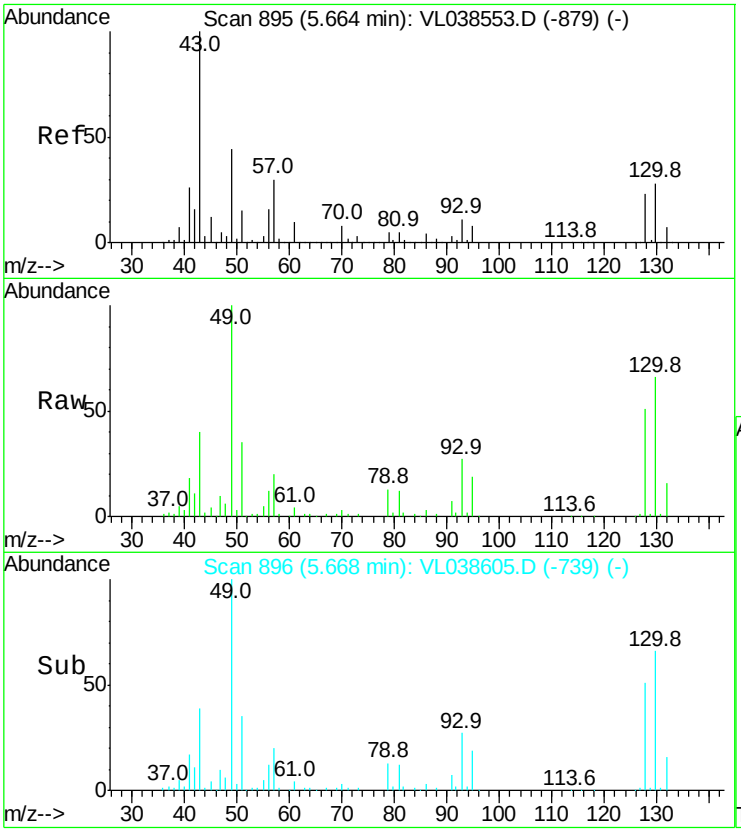


#24
1,1-Dichloroethane
Concen: 0.59 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 63 Resp: 42019

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.2	6.6
100	2.3	1.5	4.5



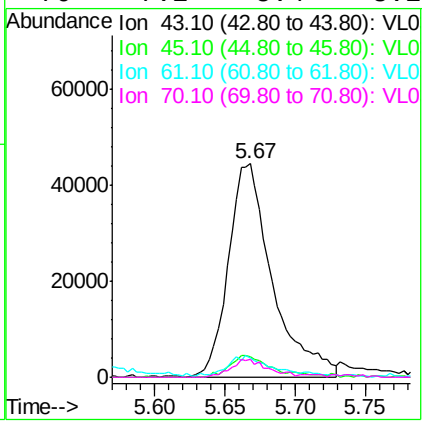


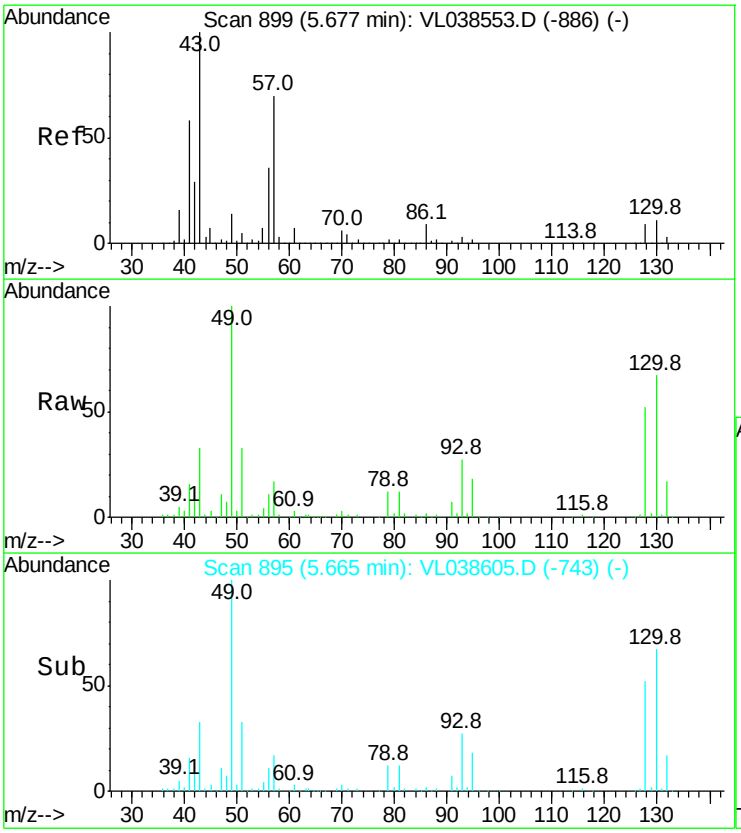
#25
Ethyl Acetate
Concen: 0.53 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 43 Resp: 97123

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.0	12.0
61	12.0	8.2	12.4
70	7.2	5.4	8.2

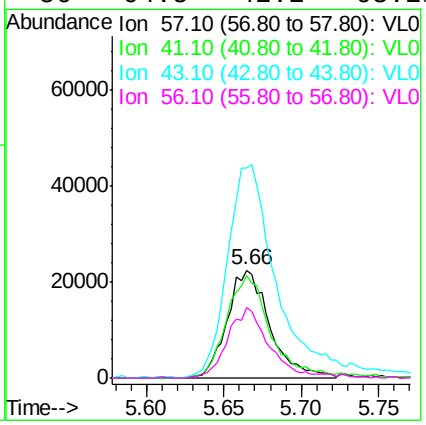


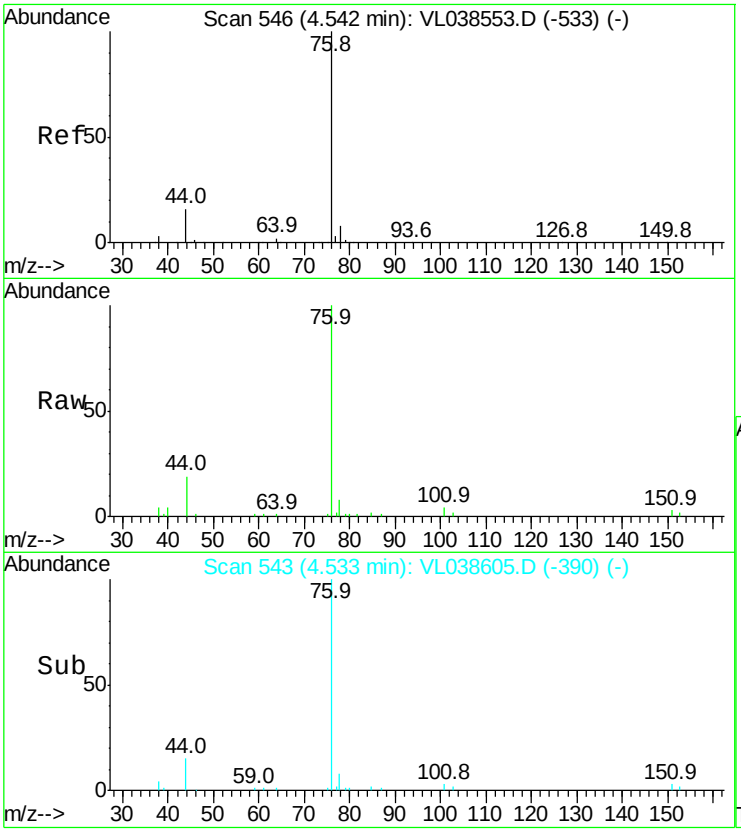


#26
Hexane
Concen: 0.50 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 57 Resp: 43099

Ion	Ratio	Lower	Upper
57	100		
41	100.5	67.8	101.6
43	237.5	173.6	260.4
56	64.5	42.2	63.2#



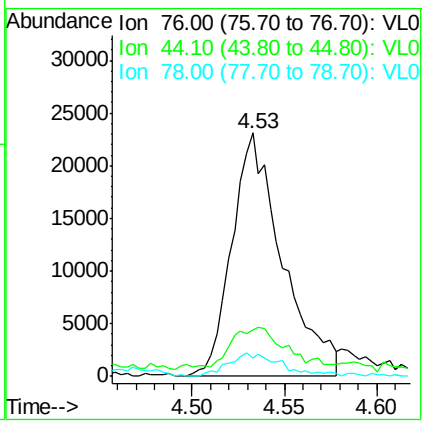


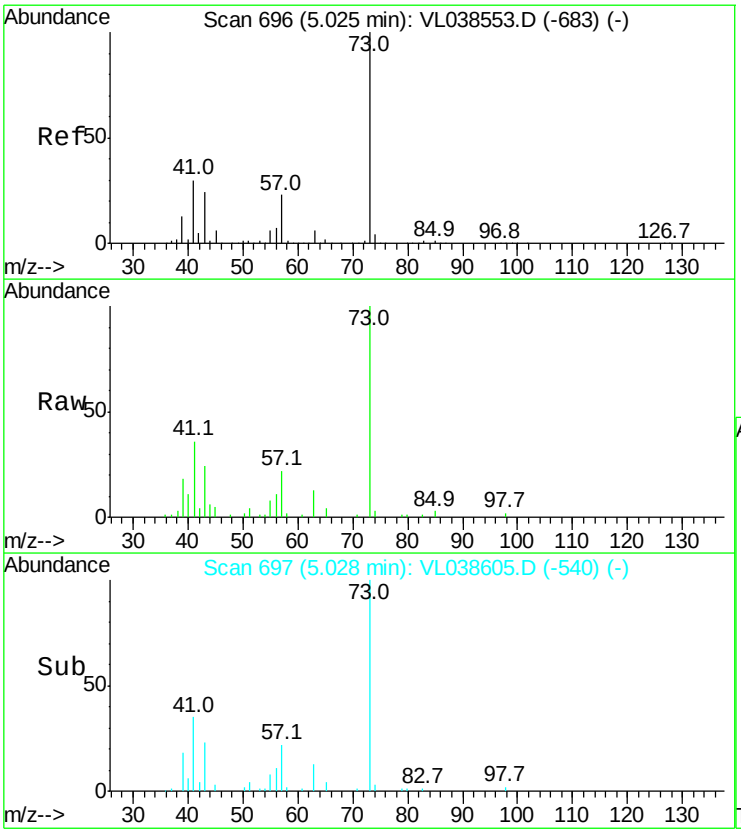
#27
Carbon Disulfide
Concen: 0.51 ppbv
RT: 4.53
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 76 Resp: 43684

Ion	Ratio	Lower	Upper
76	100		
44	26.1	12.9	19.3#
78	10.0	7.8	11.6

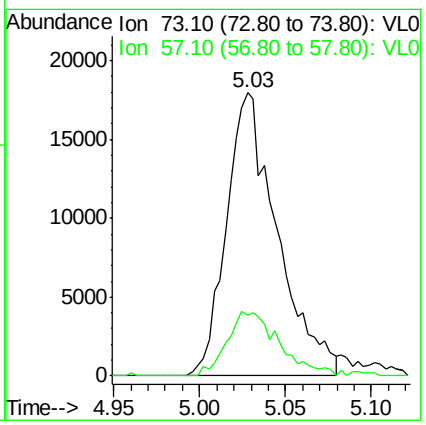


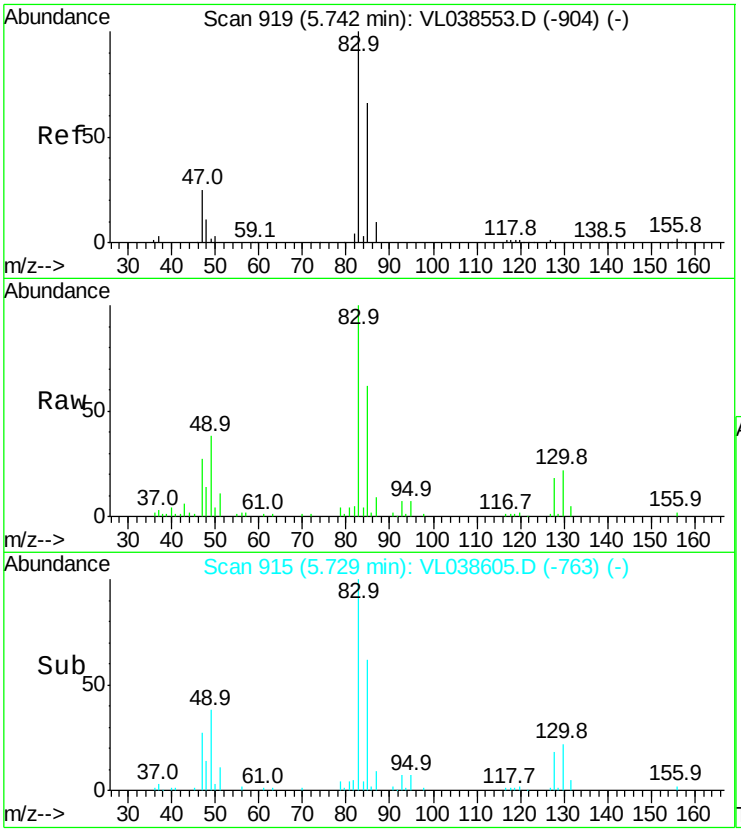


#28
Methyl tert-Butyl Ether
Concen: 0.53 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 73 Resp: 37022

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.8	28.2



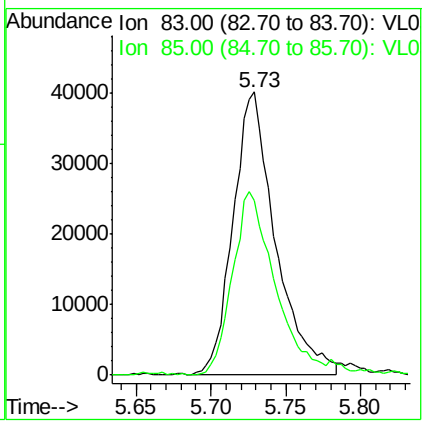


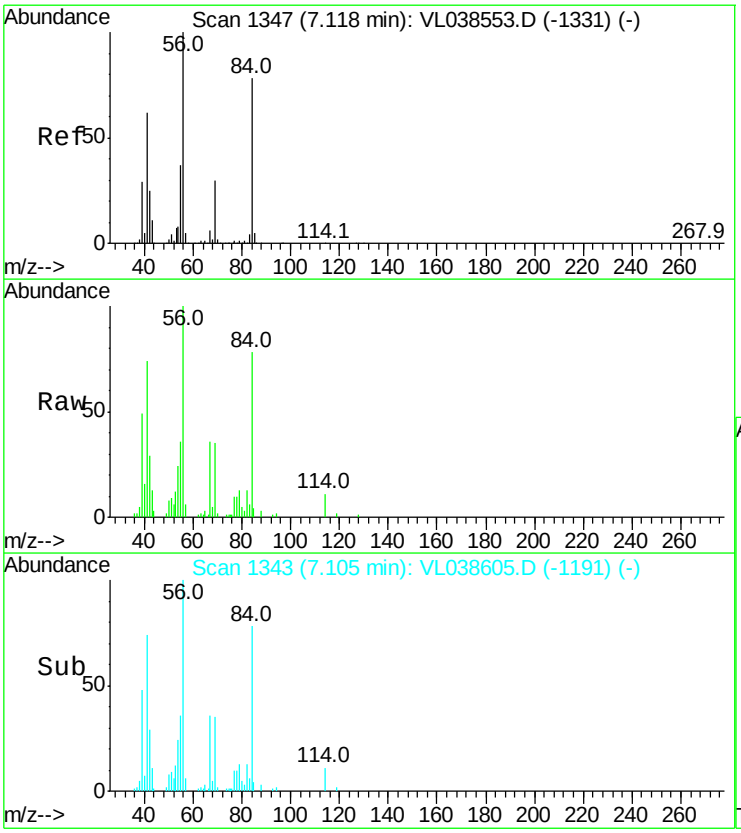
#29
Chloroform
Concen: 0.60 ppbv
RT: 5.73
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 83 Resp: 79503

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.8	79.2

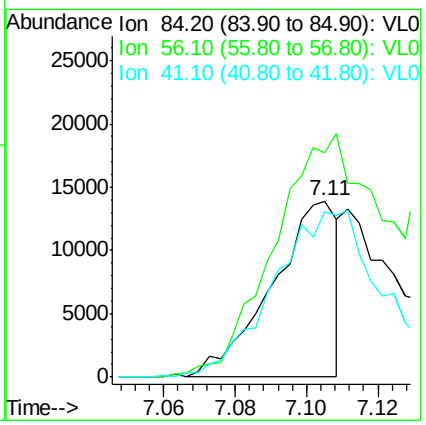


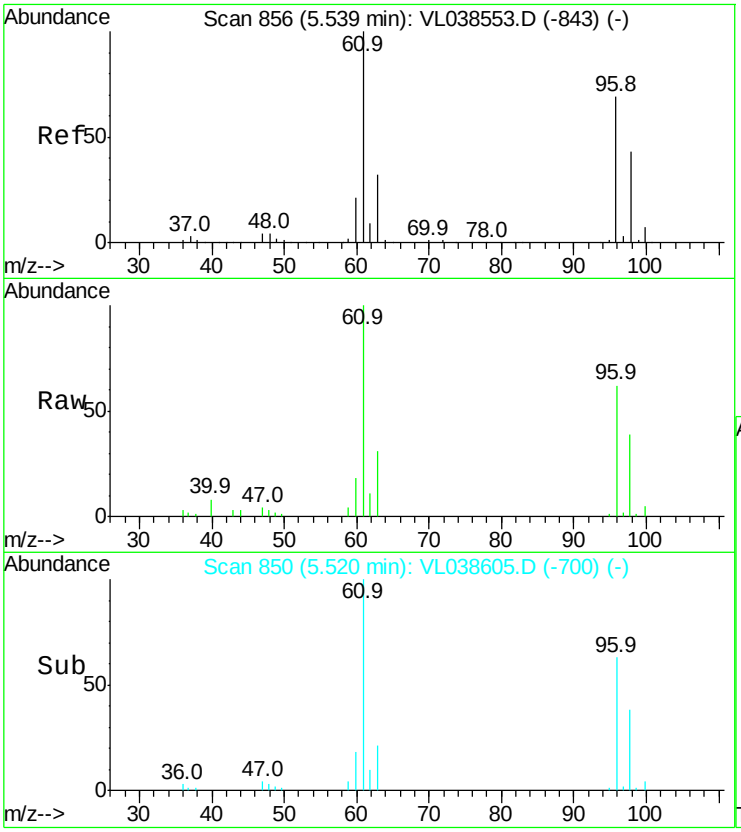


#30
Cyclohexane
Concen: 0.24 ppbv
RT: 7.11 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 84 Resp: 17560

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.0#
41	0.0	65.5	98.3#



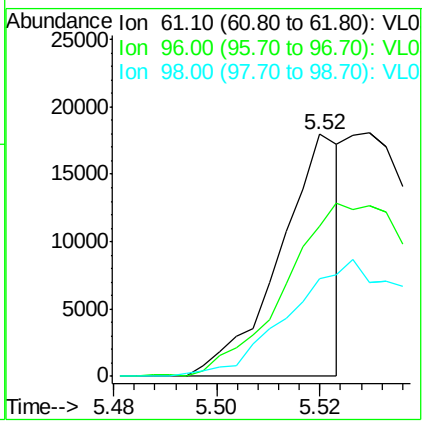


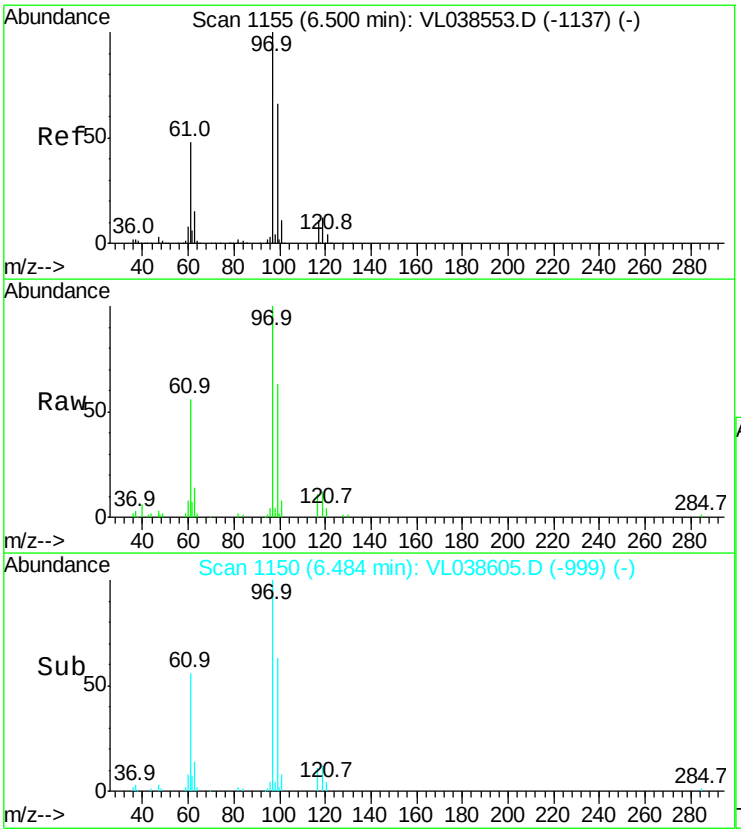
#31
cis-1,2-Dichloroethene
Concen: 0.18 ppbv
RT: 5.52
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 61 Resp: 14661

Ion	Ratio	Lower	Upper
61	100		
96	61.9	55.2	82.8
98	38.9	34.2	51.4

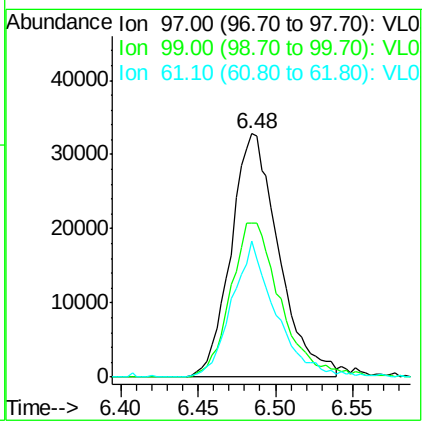


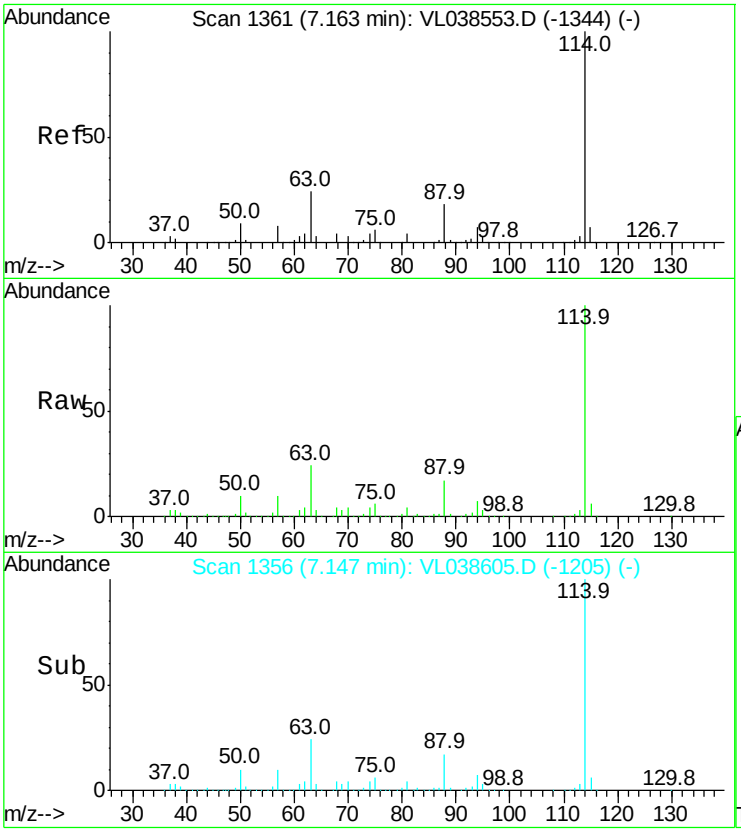


#32
1,1,1-Trichloroethane
Concen: 0.55 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 97 Resp: 70568

Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.1	78.1
61	51.4	37.7	56.5



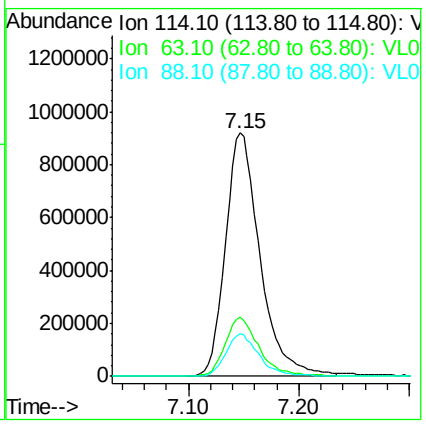


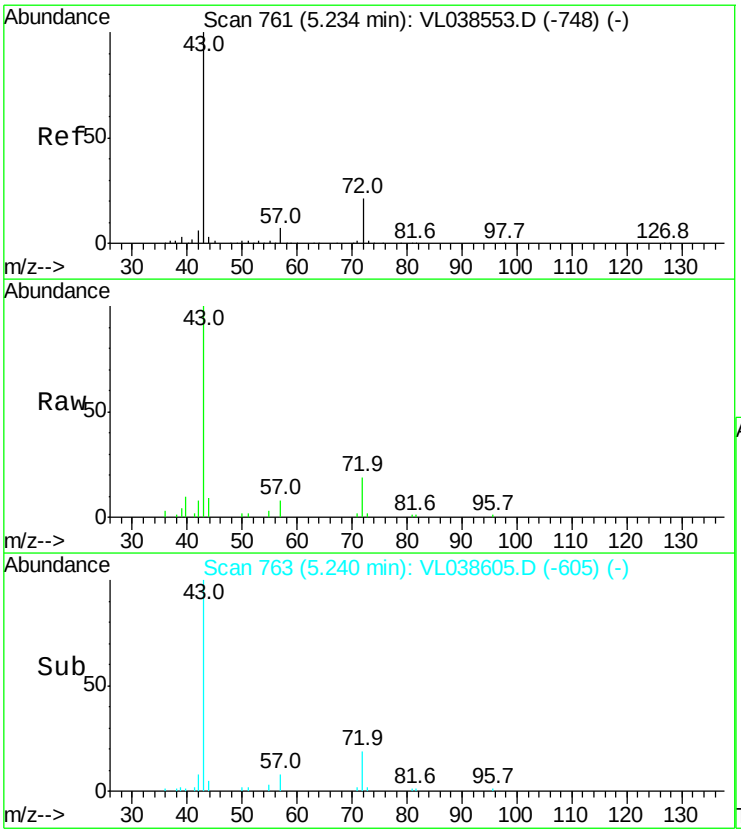
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:114 Resp: 2000224

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.3	13.9	20.9

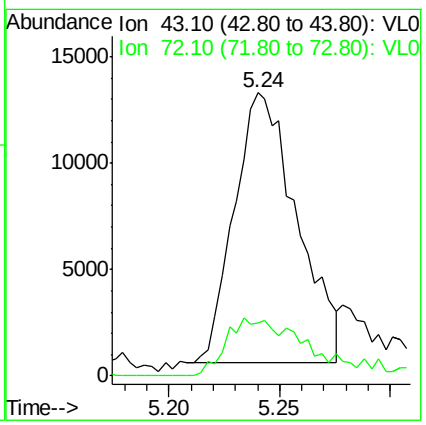


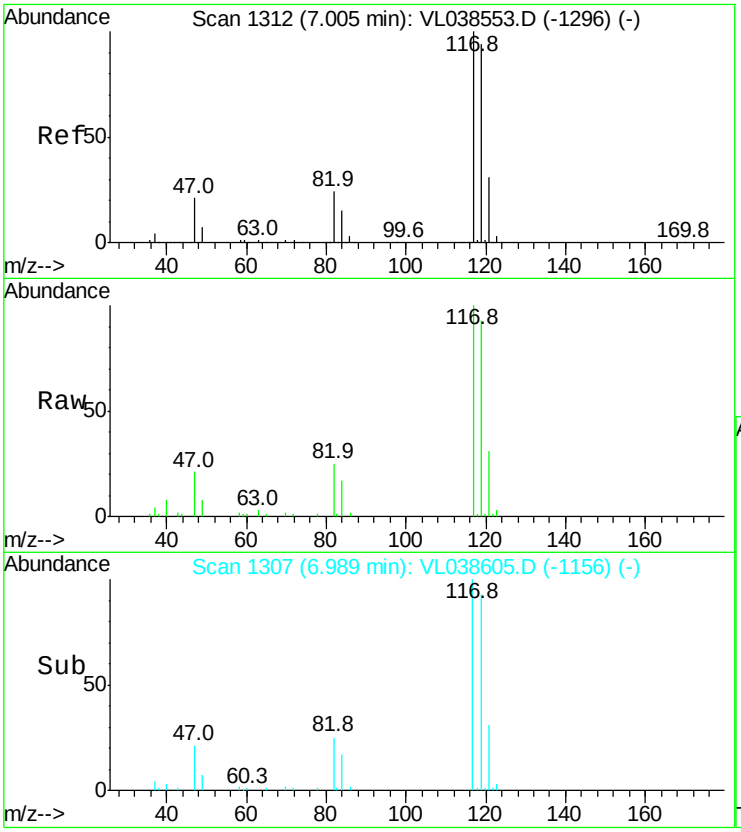


#34
2-Butanone
Concen: 0.49 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 43 Resp: 25160

Ion	Ratio	Lower	Upper
43	100		
72	28.6	17.8	26.6#



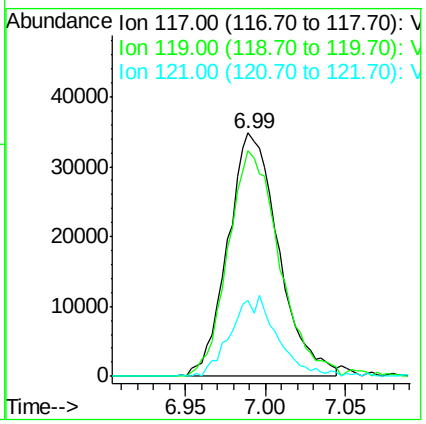


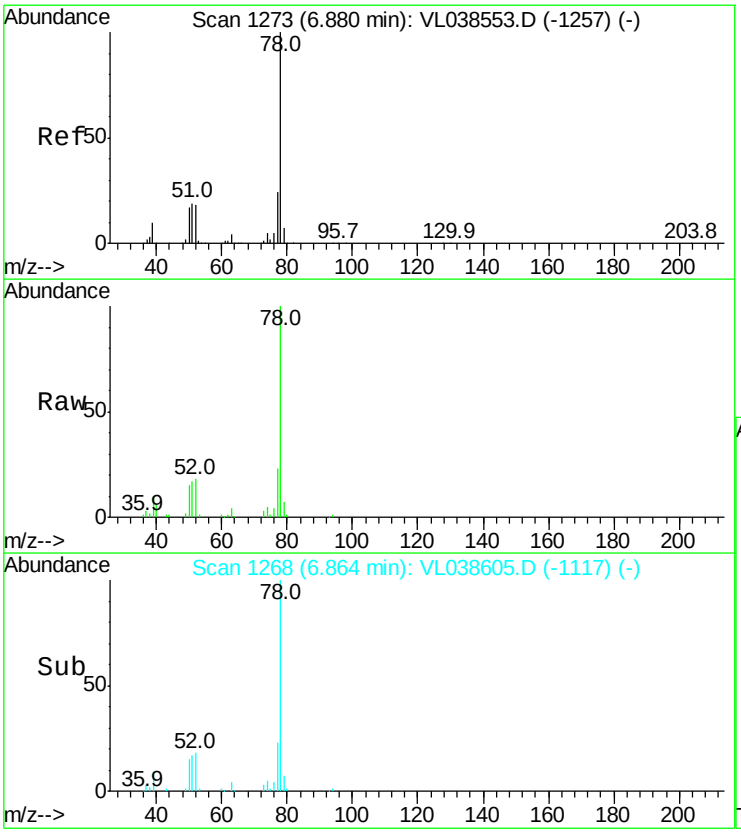
#35
Carbon Tetrachloride
Concen: 0.55 ppbv
RT: 6.99
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:117 Resp: 75505

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.2	112.8
121	32.6	24.8	37.2

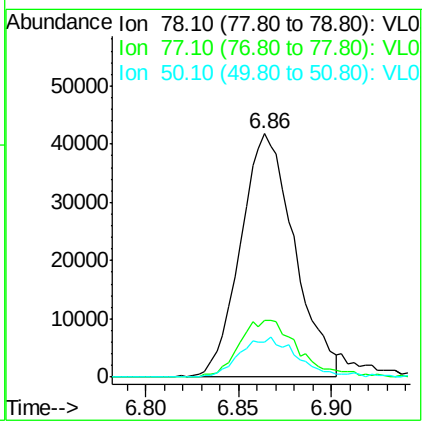


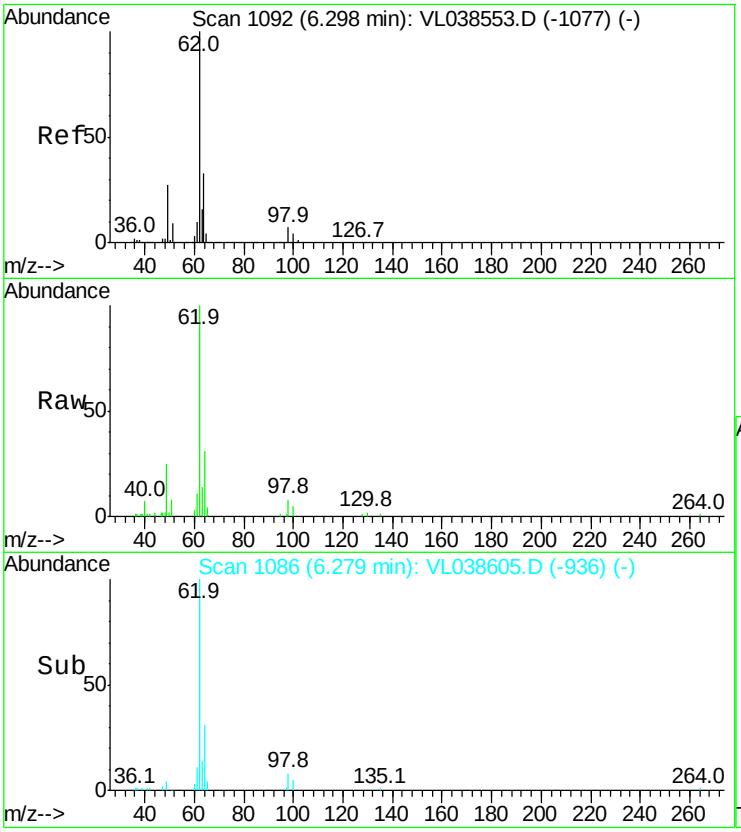


#36
Benzene
Concen: 0.47 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 78 Resp: 84525

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4
50	14.1	13.9	20.9



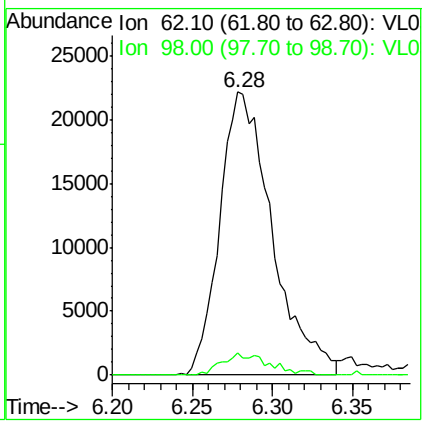


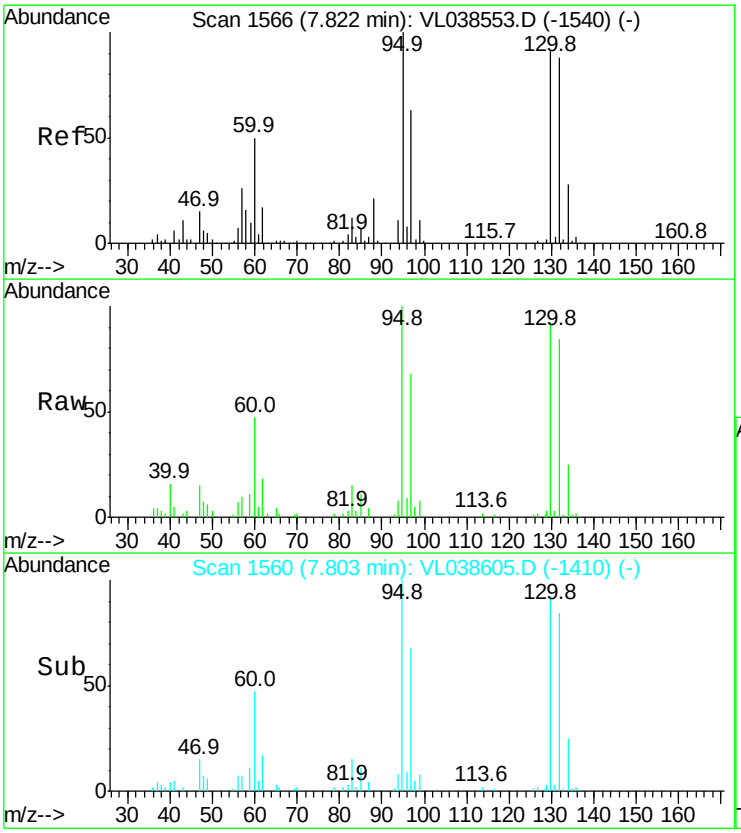
#37
1,2-Dichloroethane
Concen: 0.58 ppbv
RT: 6.28
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 62 Resp: 49722

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.7	8.5

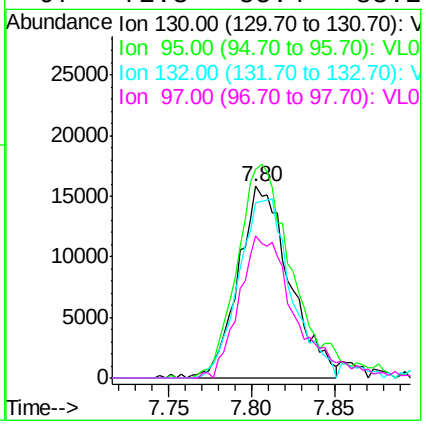


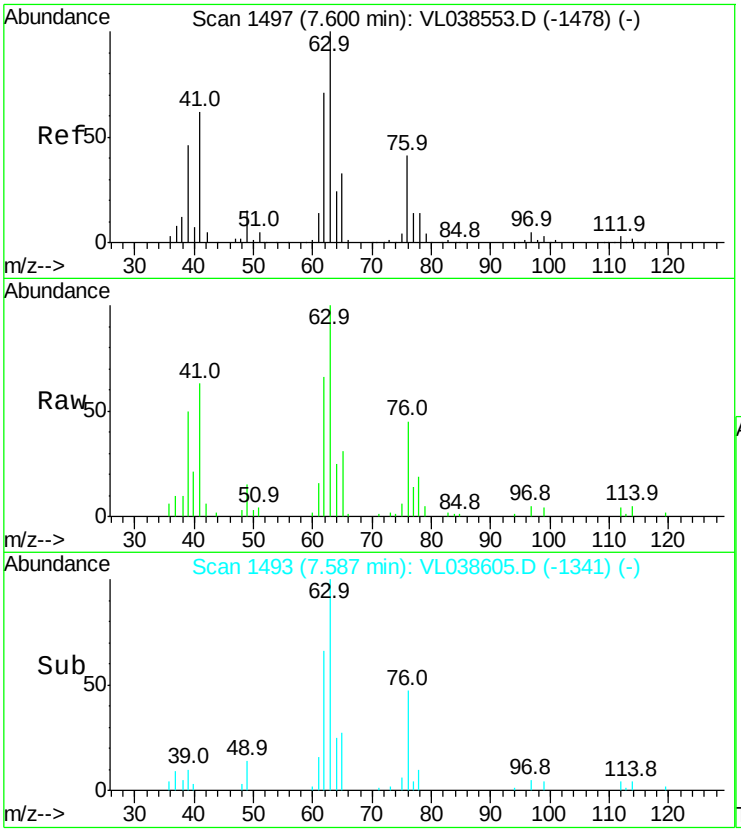


#38
Trichloroethene
Concen: 0.47 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:130 Resp: 34132

Ion	Ratio	Lower	Upper
130	100		
95	106.0	87.8	131.8
132	89.0	77.5	116.3
97	72.3	55.4	83.2



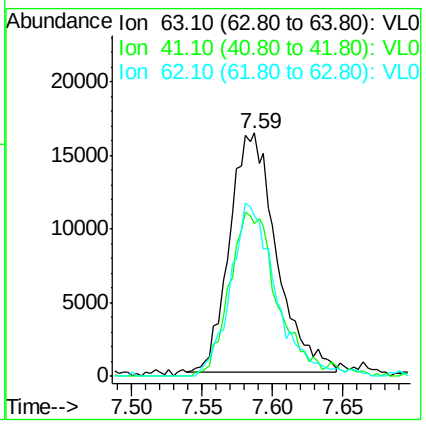


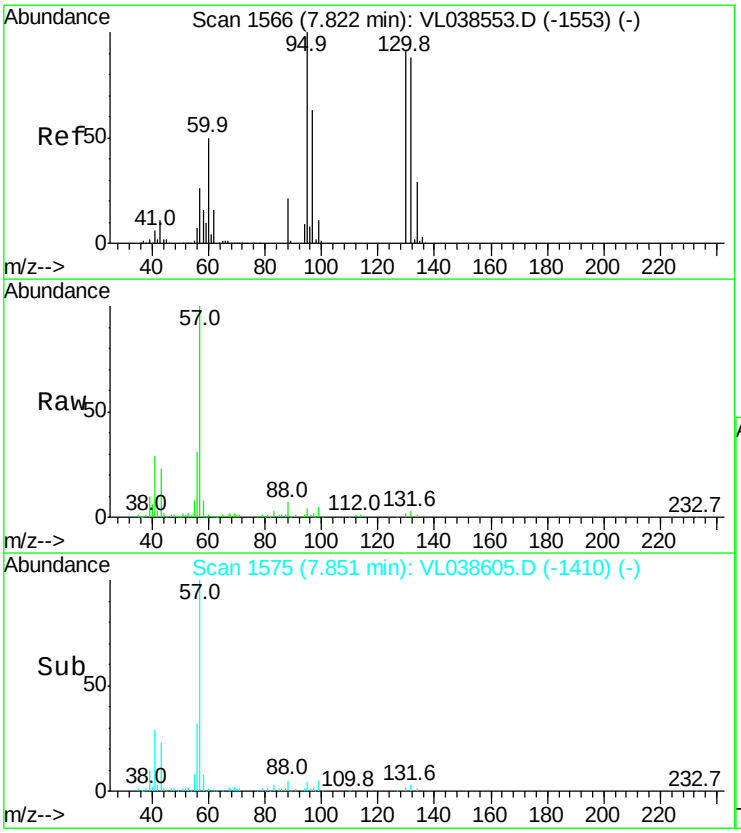
#39
1,2-Dichloropropane
Concen: 0.54 ppbv
RT: 7.59
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 63 Resp: 37822

Ion	Ratio	Lower	Upper
63	100		
41	64.0	49.8	74.6
62	65.3	56.7	85.1

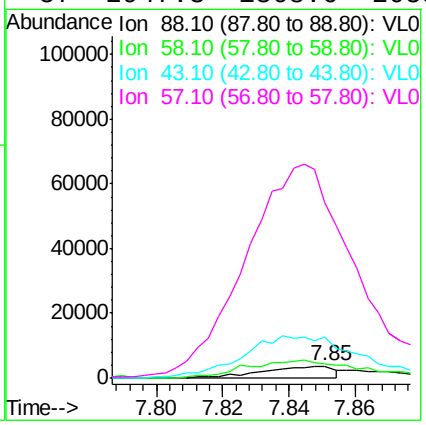


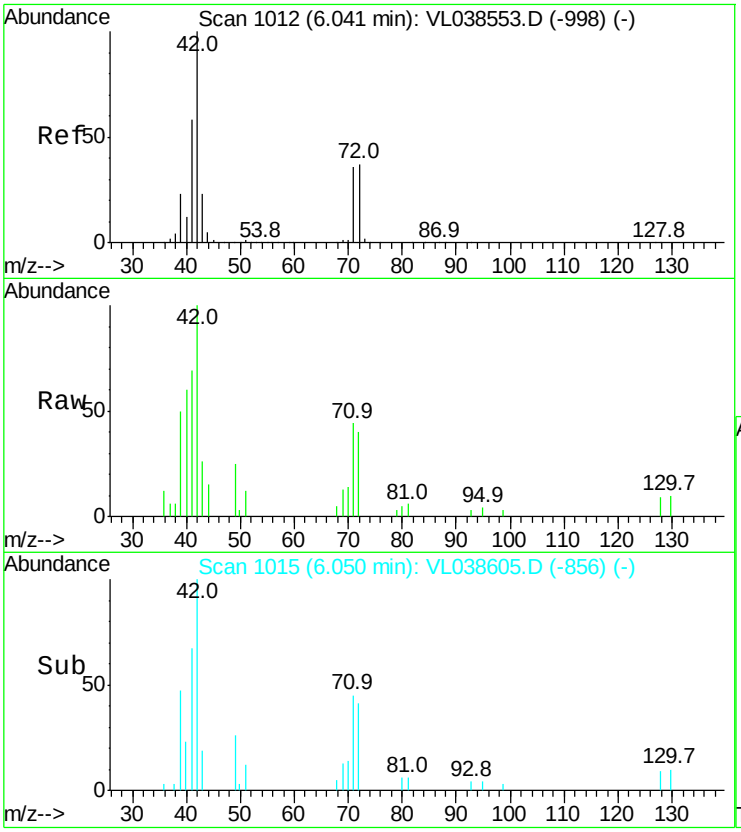


#40
1,4-Dioxane
Concen: 0.31 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.03 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 88 Resp: 5342

Ion	Ratio	Lower	Upper
88	100		
58	282.4	126.7	190.1#
43	642.7	303.0	454.6#
57	2947.3	1368.6	2053.0#



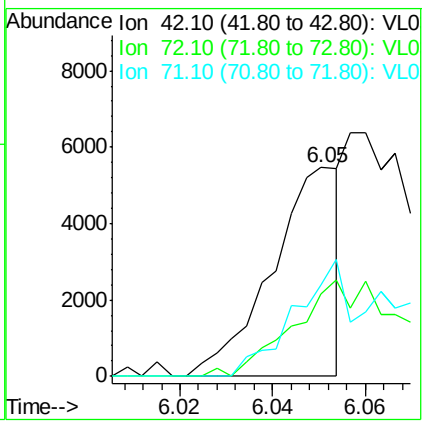


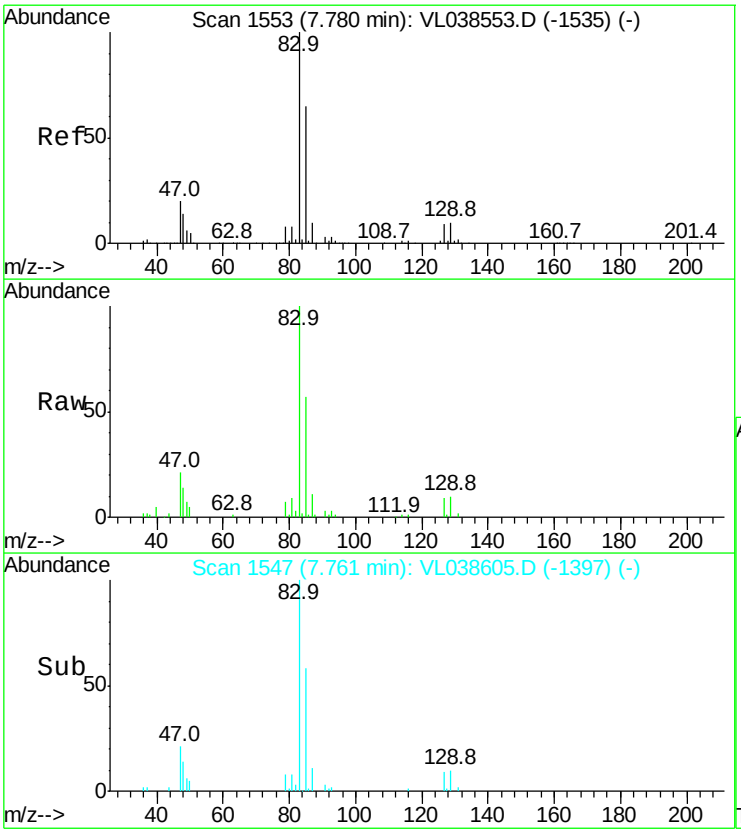
#41
Tetrahydrofuran
Concen: 0.13 ppbv
RT: 6.05
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 42 Resp: 5565

Ion	Ratio	Lower	Upper
42	100		
72	111.2	30.9	46.3#
71	108.8	29.1	43.7#

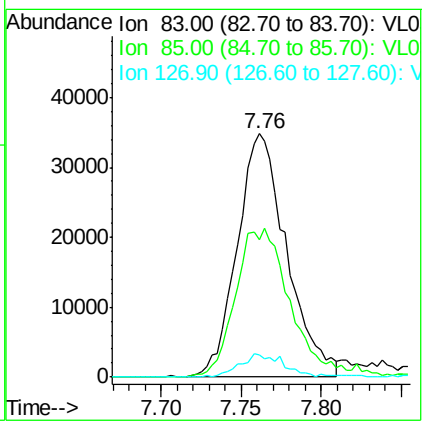


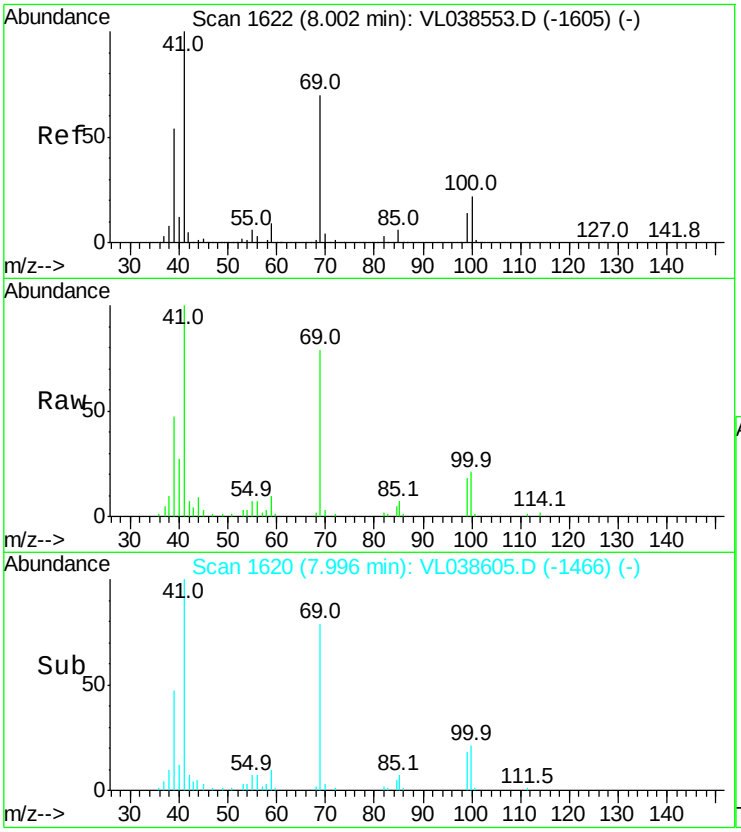


#42
Bromodichloromethane
Concen: 0.54 ppbv
RT: 7.76 min Scan# 1547
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 83 Resp: 73658

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.7	77.5
127	10.1	6.9	10.3



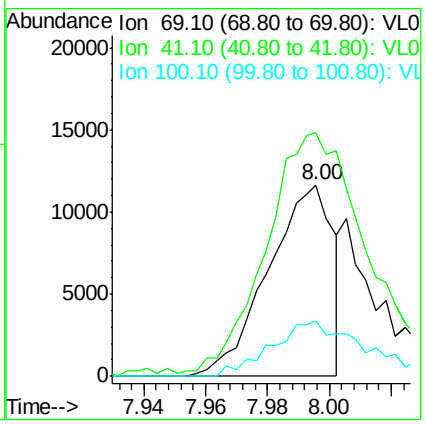


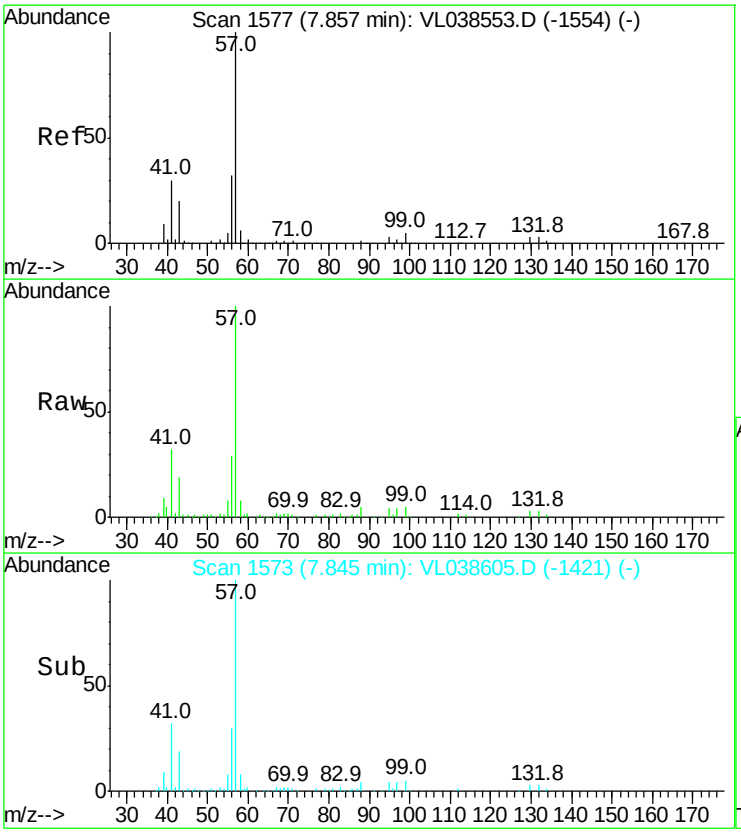
#43
Methyl Methacrylate
Concen: 0.27 ppbv
RT: 8.00
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 69 Resp: 16841

Ion	Ratio	Lower	Upper
69	100		
41	201.6	113.8	170.6#
100	44.7	24.4	36.6#

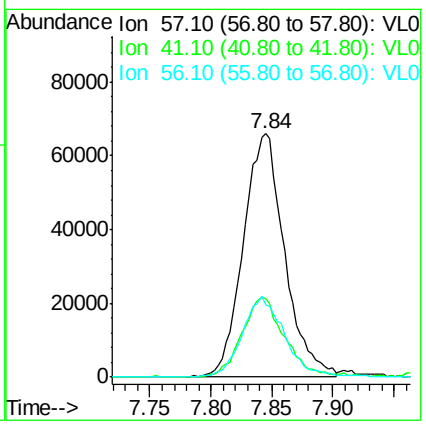


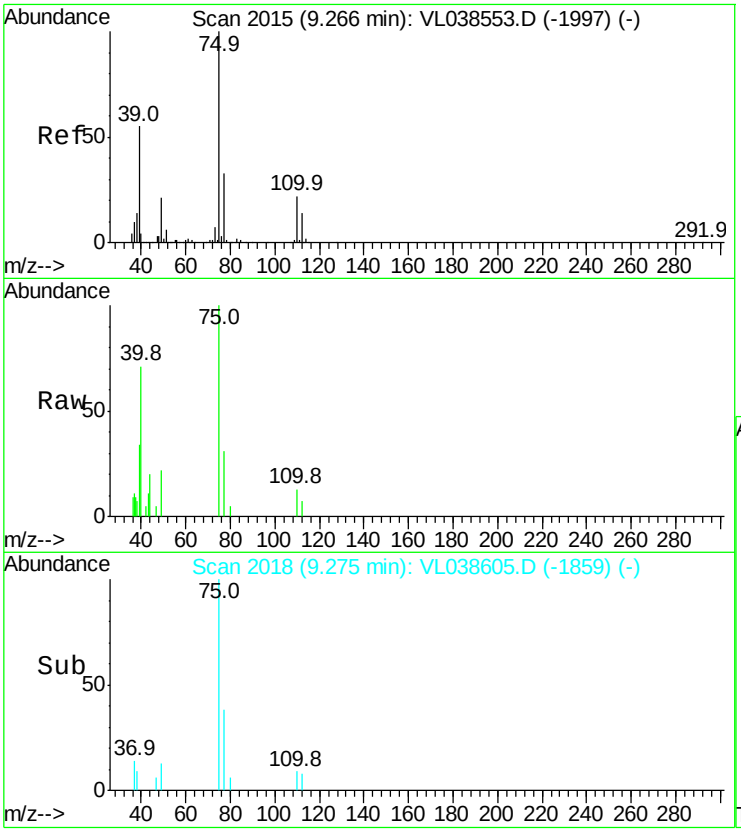


#44
2,2,4-Trimethylpentane
Concen: 0.51 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 57 Resp: 154599

Ion	Ratio	Lower	Upper
57	100		
41	34.4	24.0	36.0
56	33.9	25.6	38.4



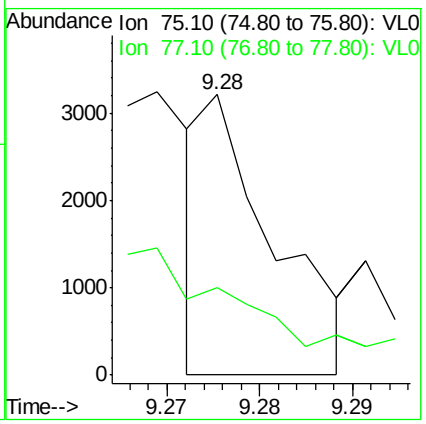


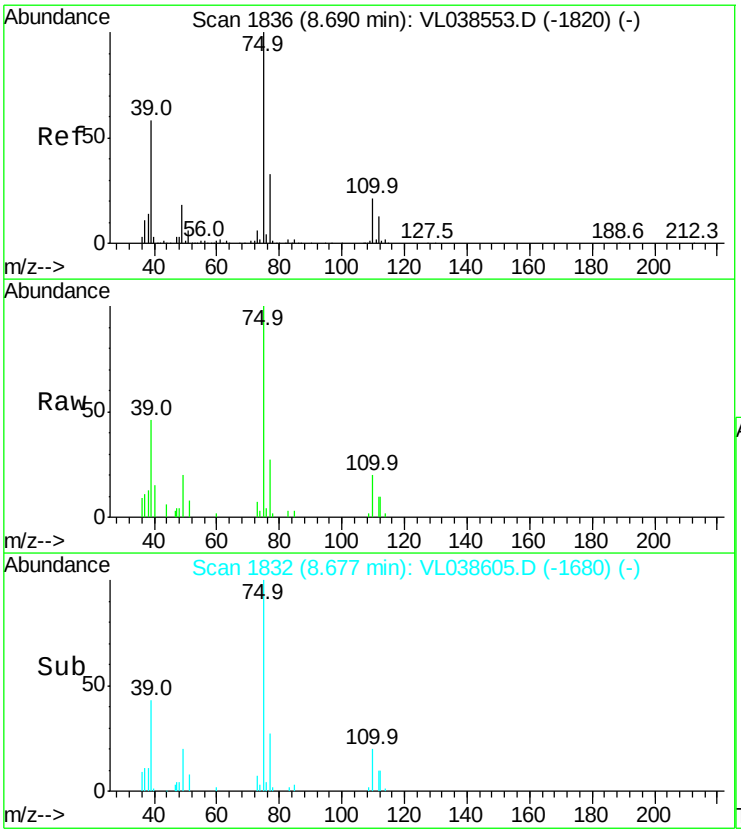
#45
t-1,3-Dichloropropene
Concen: 0.04 ppbv
RT: 9.28
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 75 Resp: 1703

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.6	40.0

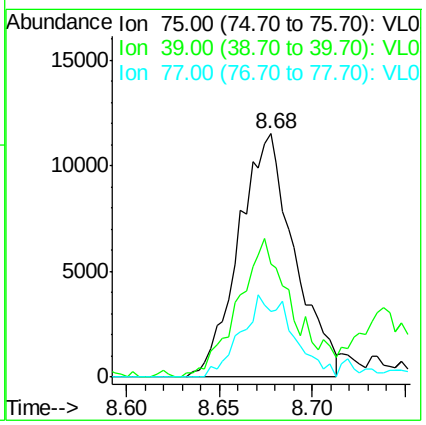


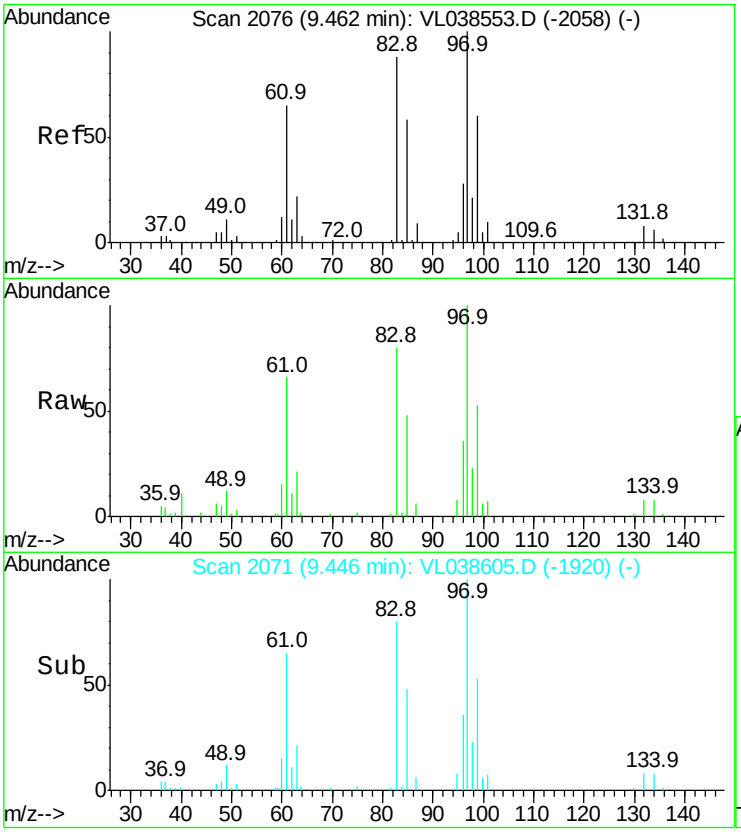


#46
cis-1,3-Dichloropropene
Concen: 0.40 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 75 Resp: 24134

Ion	Ratio	Lower	Upper
75	100		
39	44.7	46.2	69.2#
77	26.9	26.2	39.2



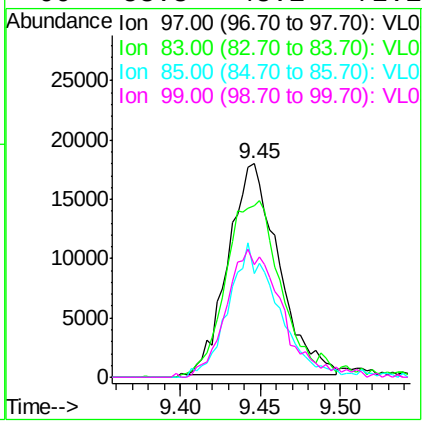


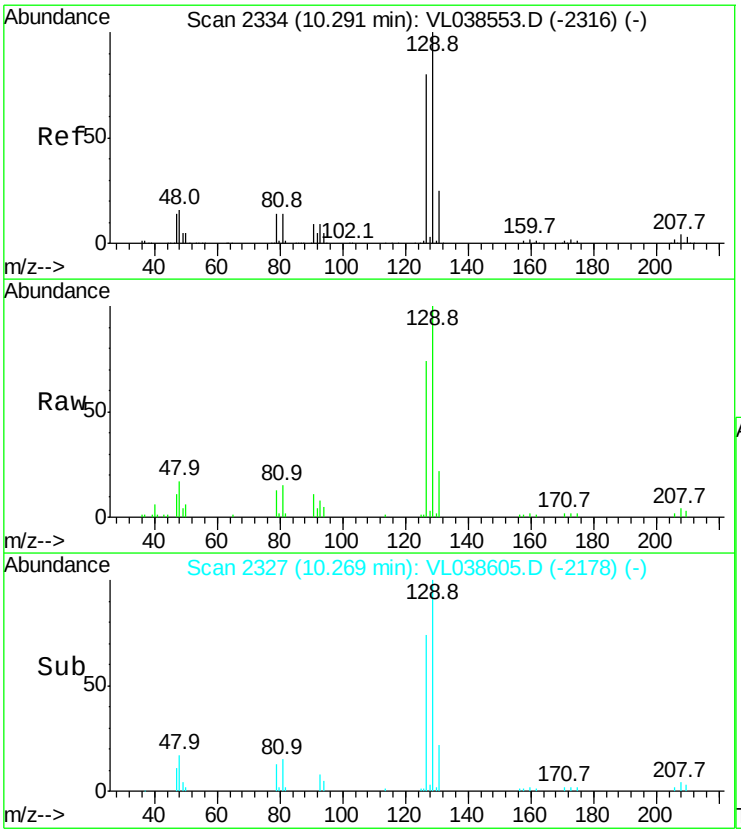
#47
1,1,2-Trichloroethane
Concen: 0.54 ppbv
RT: 9.45
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 97 Resp: 38136

Ion	Ratio	Lower	Upper
97	100		
83	79.5	70.1	105.1
85	49.1	46.6	69.8
99	53.3	48.1	72.1

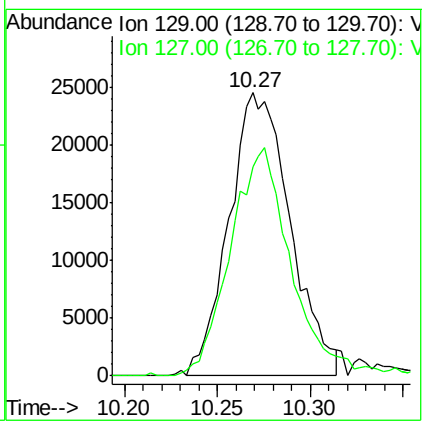


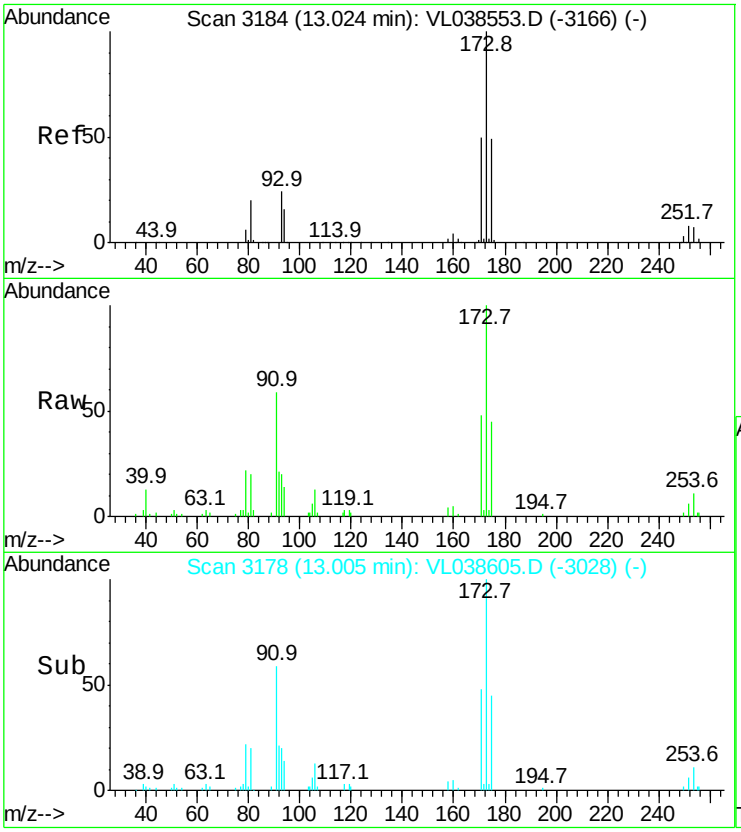


#48
Dibromochloromethane
Concen: 0.50 ppbv
RT: 10.27 min Scan# 2327
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:129 Resp: 56429

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.5	118.3



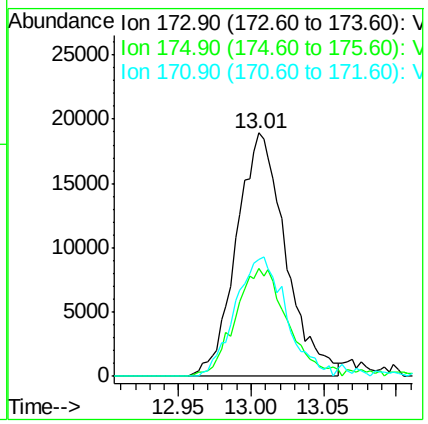


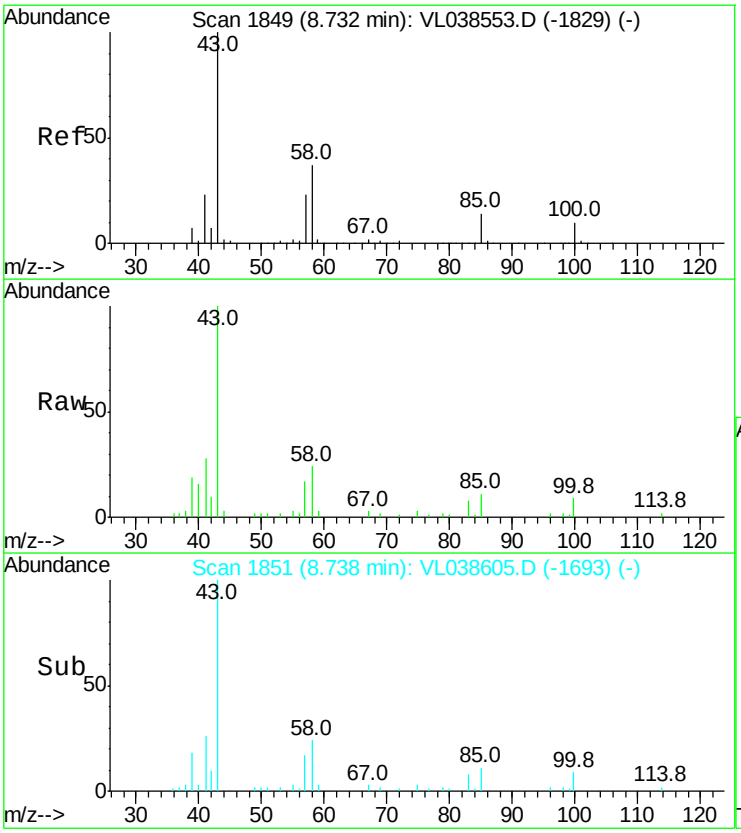
#49
Bromoform
Concen: 0.52 ppbv
RT: 13.01
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:173 Resp: 44621

Ion	Ratio	Lower	Upper
173	100		
175	49.6	40.7	61.1
171	50.6	42.9	64.3

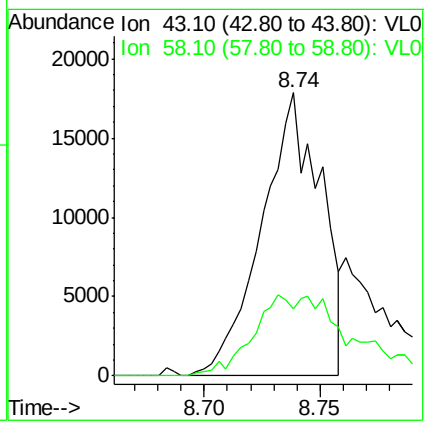


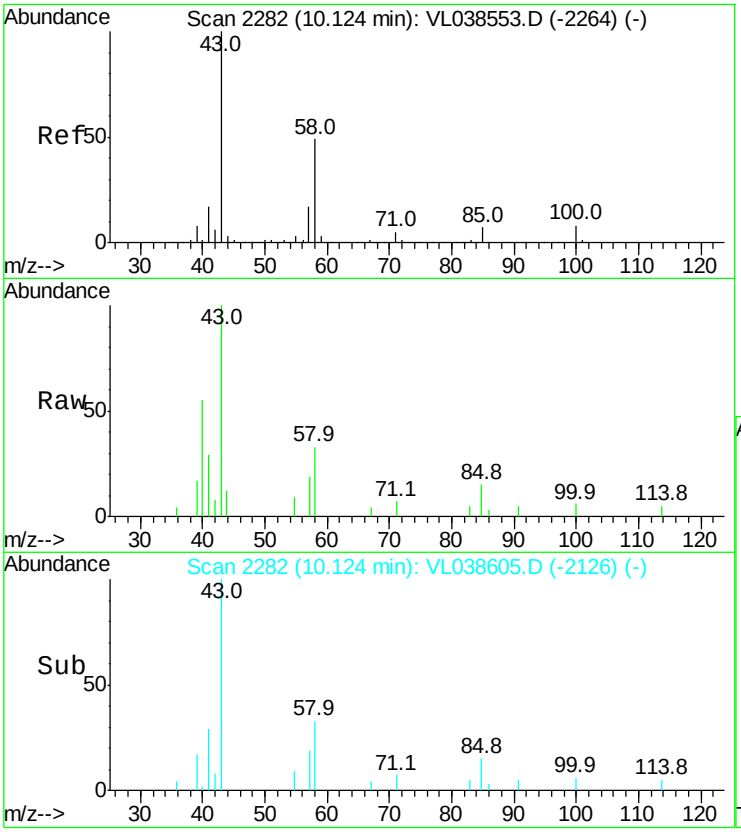


#50
4-Methyl-2-Pentanone
Concen: 0.30 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.01 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 43 Resp: 31701

Ion	Ratio	Lower	Upper
43	100		
58	51.2	29.2	43.8#



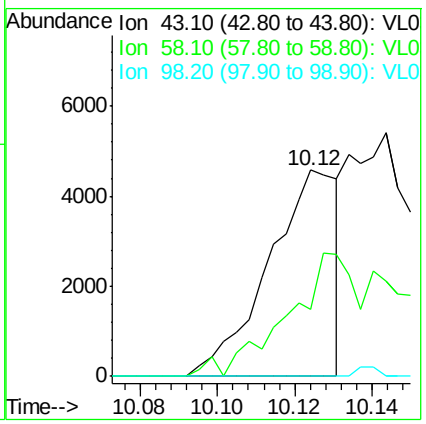


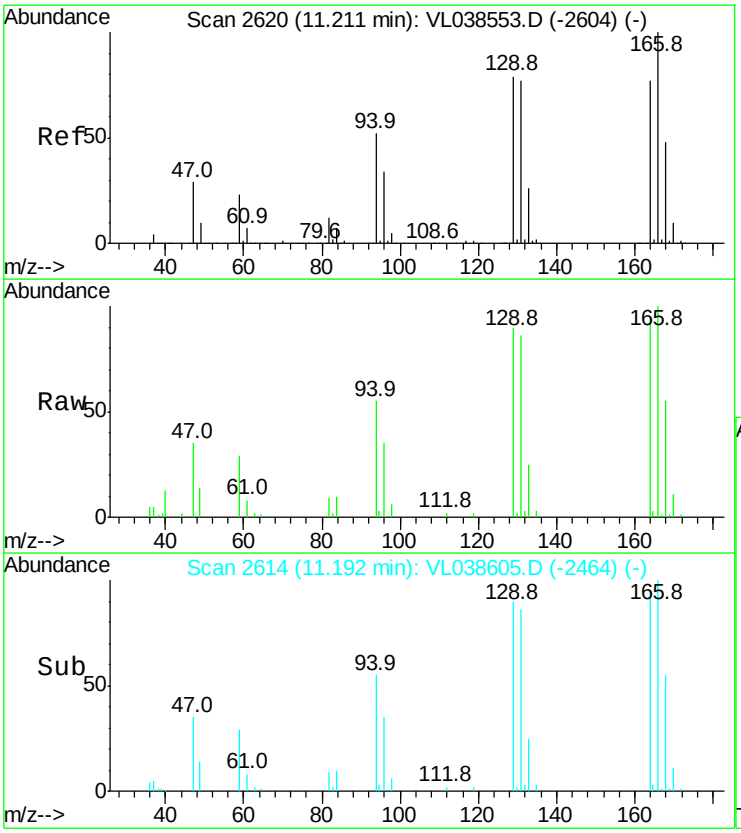
#51
2-Hexanone
Concen: 0.13 ppbv
RT: 10.12
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 43 Resp: 5670

Ion	Ratio	Lower	Upper
43	100		
58	133.8	40.1	60.1#
98	0.0	0.4	0.6#

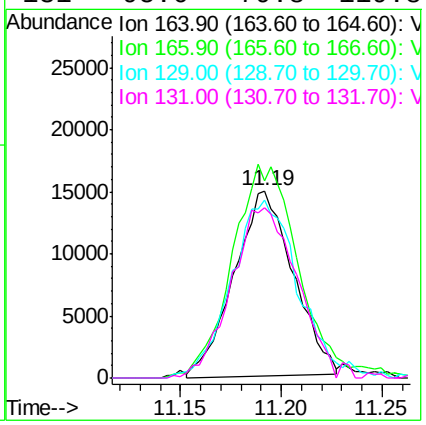


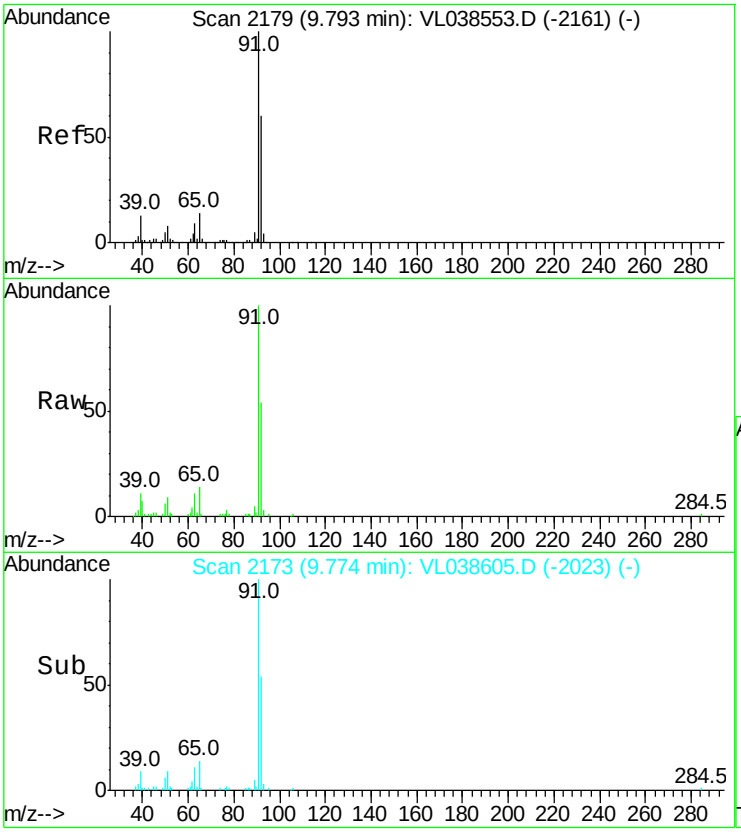


#52
Tetrachloroethene
Concen: 0.46 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:164 Resp: 30542

Ion	Ratio	Lower	Upper
164	100		
166	104.8	103.4	155.2
129	93.2	81.3	121.9
131	95.6	79.8	119.8



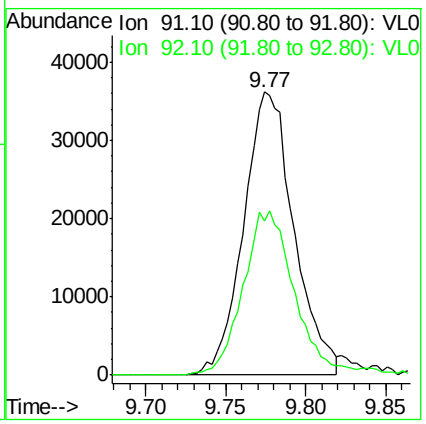


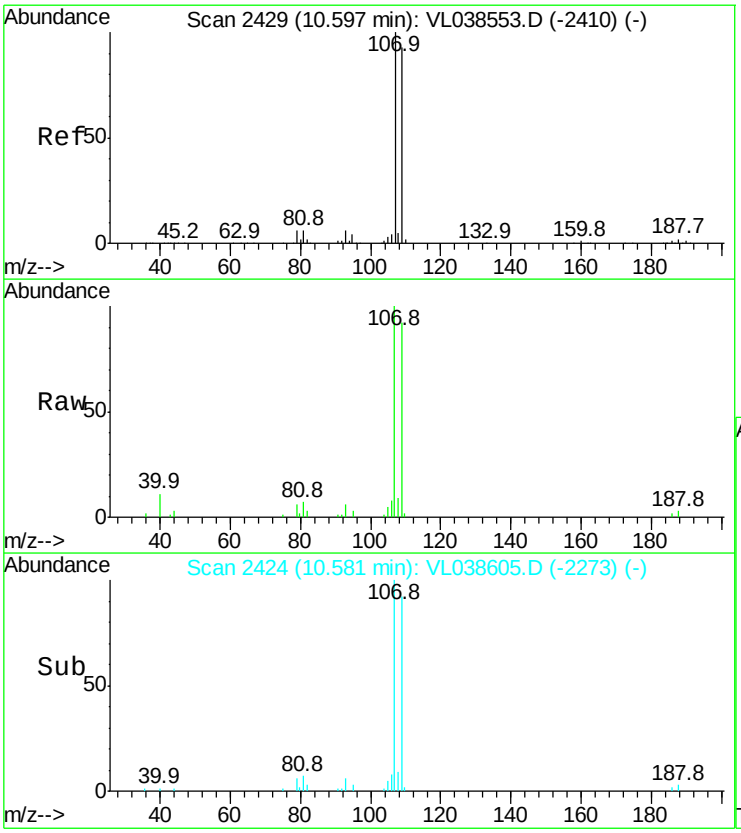
#53
Toluene
Concen: 0.41 ppbv
RT: 9.77
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 91 Resp: 78236

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.1	72.1

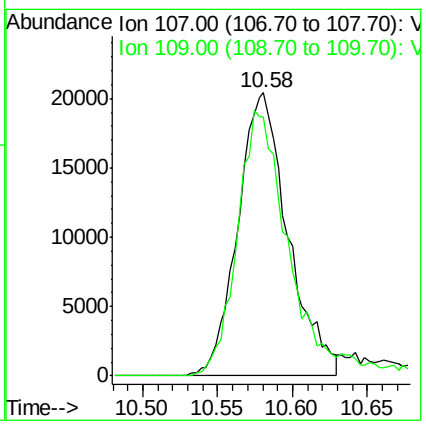


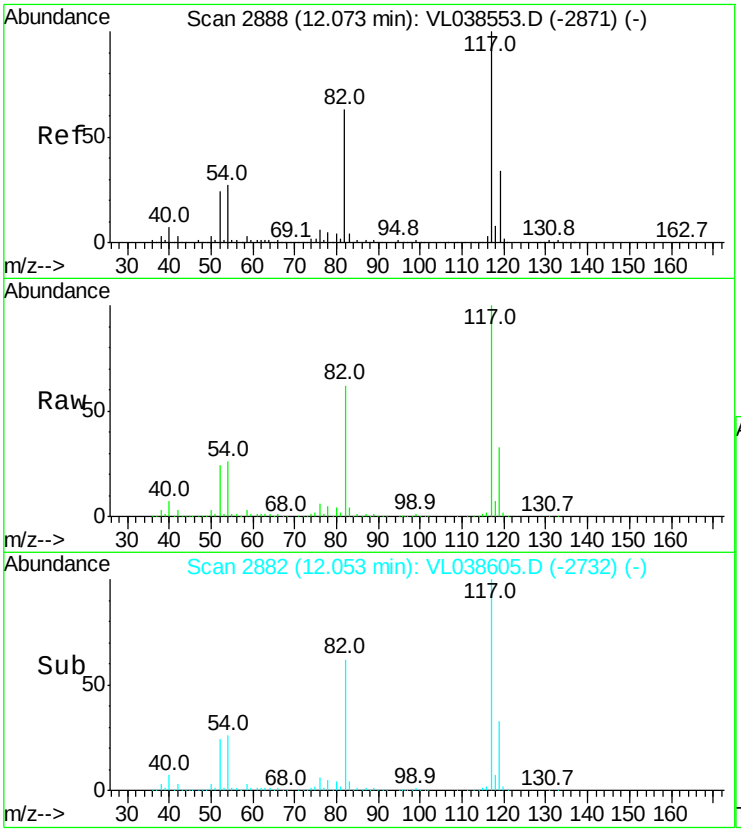


#54
1,2-Dibromoethane
Concen: 0.47 ppbv
RT: 10.58 min Scan# 2424
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:107 Resp: 47577

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.6	112.0



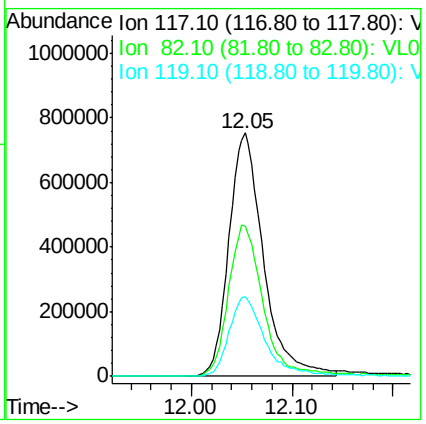


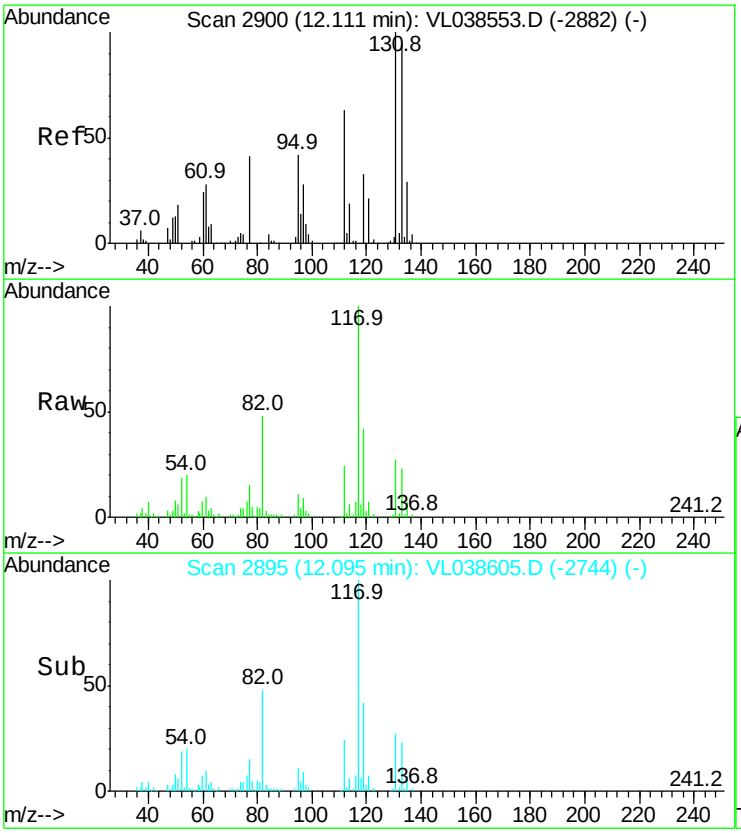
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.05
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:117 Resp: 1799674

Ion	Ratio	Lower	Upper
117	100		
82	63.8	52.5	78.7
119	34.8	46.4	69.6#

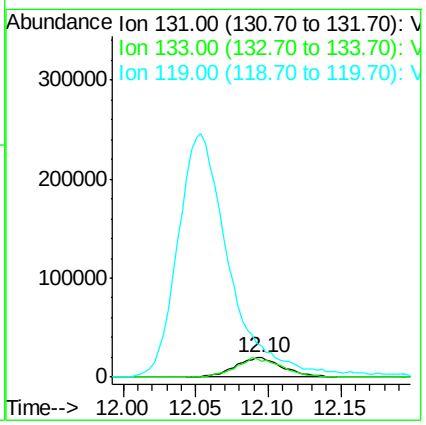


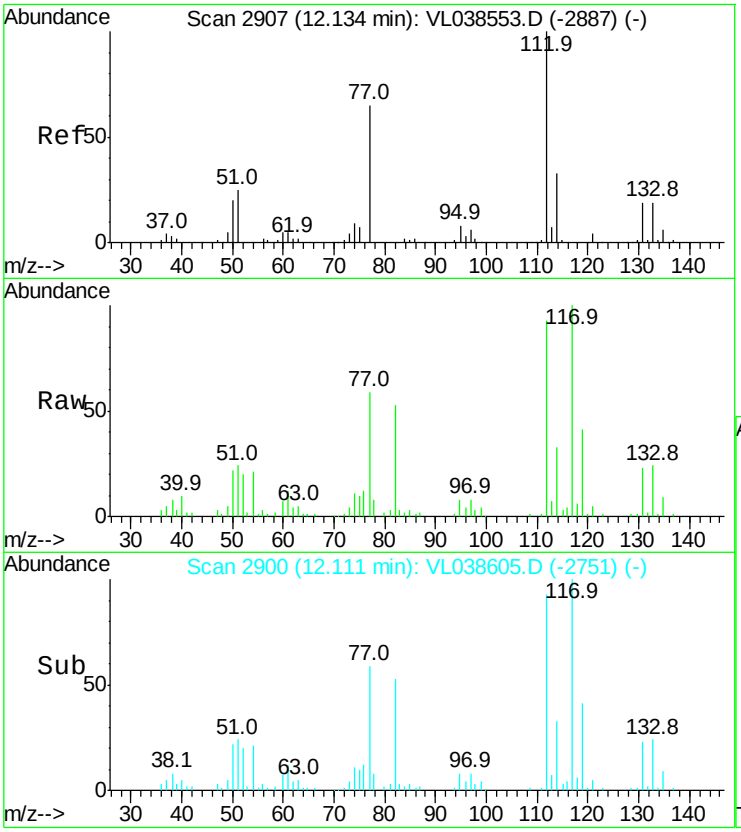


#56
1,1,1,2-Tetrachloroethane
Concen: 0.62 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:131 Resp: 45153

Ion	Ratio	Lower	Upper
131	100		
133	97.9	78.0	117.0
119	1386.9	53.1	79.7#



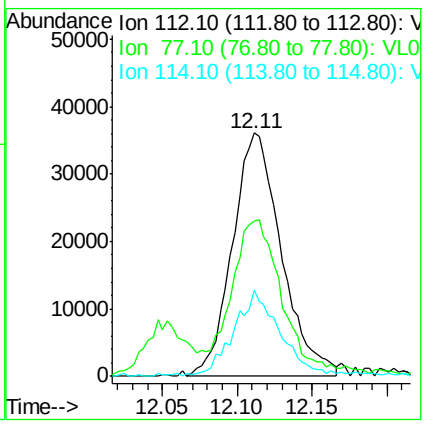


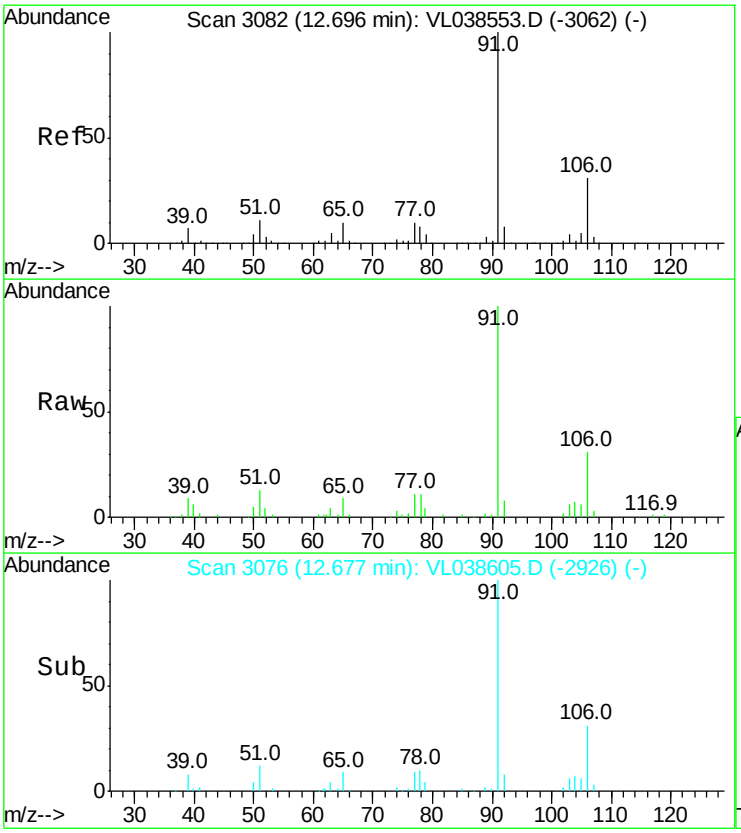
#57
Chlorobenzene
Concen: 0.60 ppbv
RT: 12.11
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:112 Resp: 82289

Ion	Ratio	Lower	Upper
112	100		
77	60.2	52.5	78.7
114	34.4	30.0	36.6

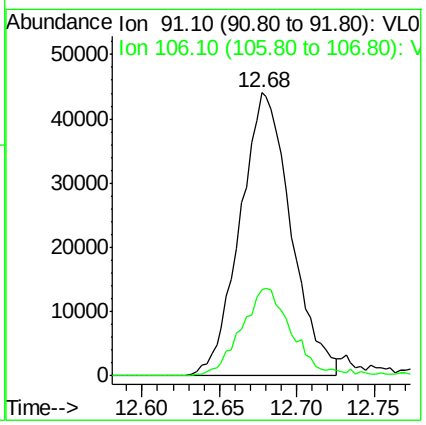


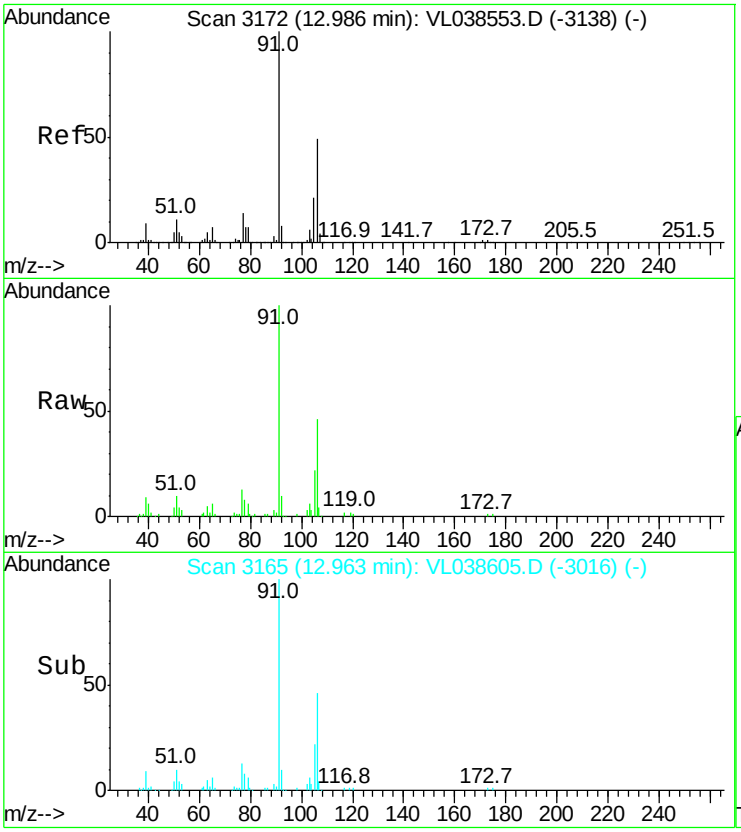


#58
Ethyl Benzene
Concen: 0.43 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 91 Resp: 101090

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.6	37.0



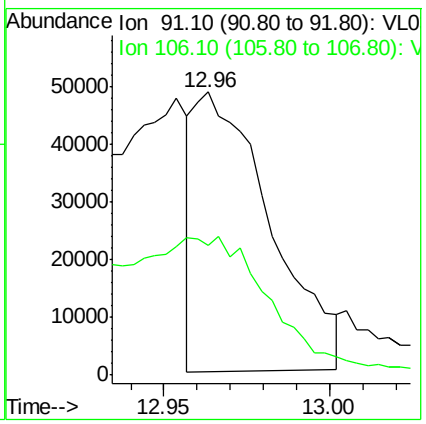


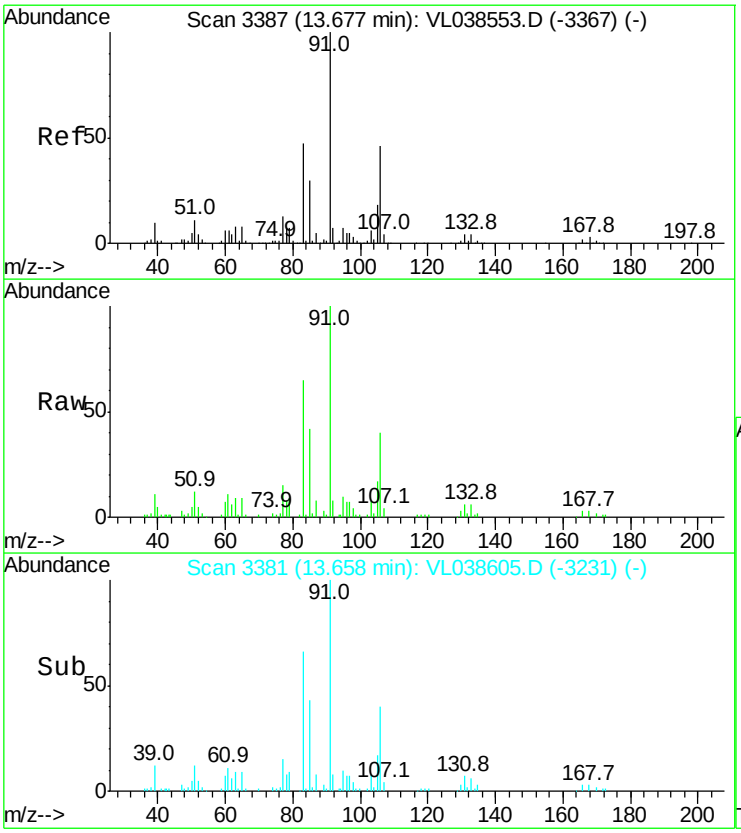
#59
m/p-Xylene
Concen: 0.39 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 91 Resp: 76874

Ion	Ratio	Lower	Upper
91	100		
106	120.3	37.1	55.7#

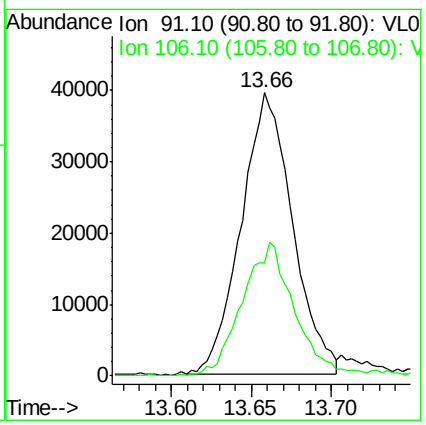


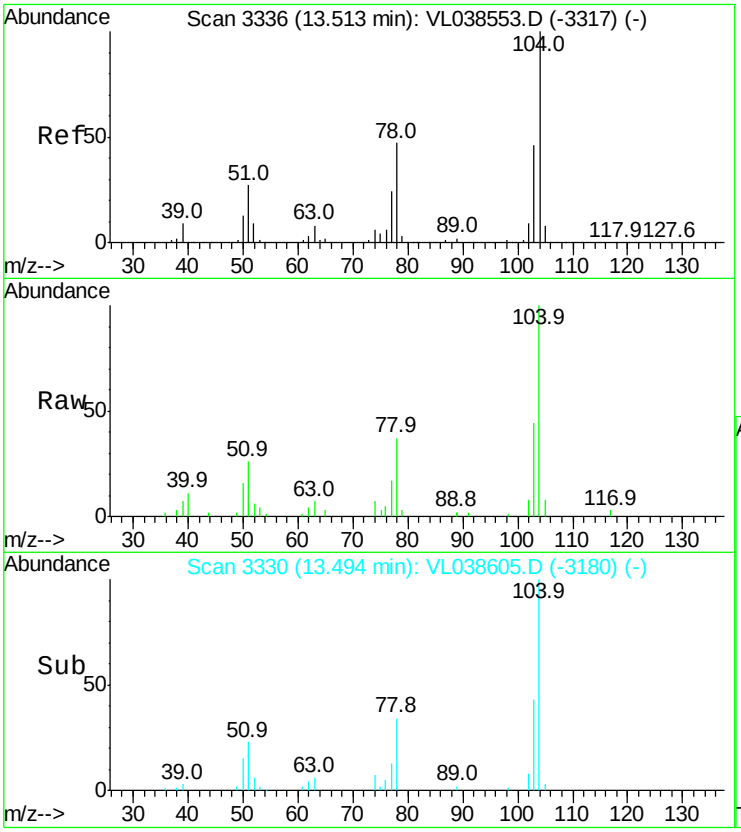


#60
o-Xylene
Concen: 0.46 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 91 Resp: 86953

Ion	Ratio	Lower	Upper
91	100		
106	49.3	23.5	70.6



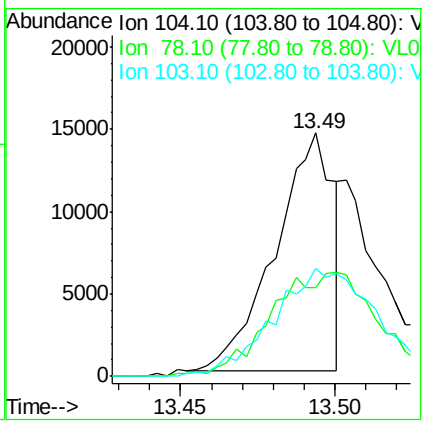


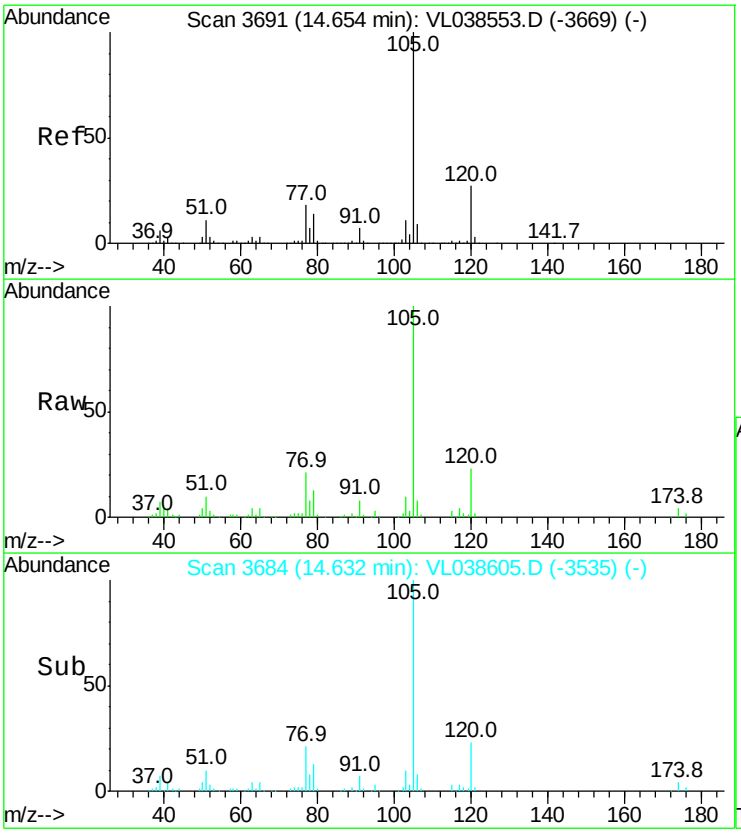
#61
Styrene
Concen: 0.20 ppbv
RT: 13.49
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:104 Resp: 18881

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.0	58.4#
103	87.3	38.0	57.0#

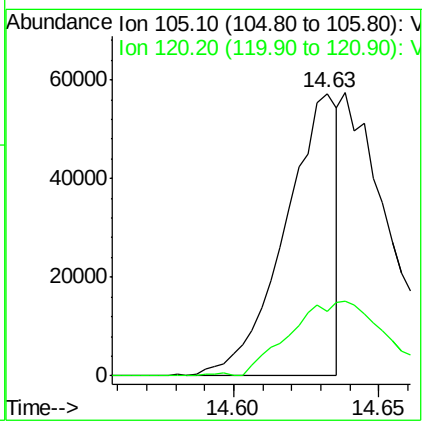


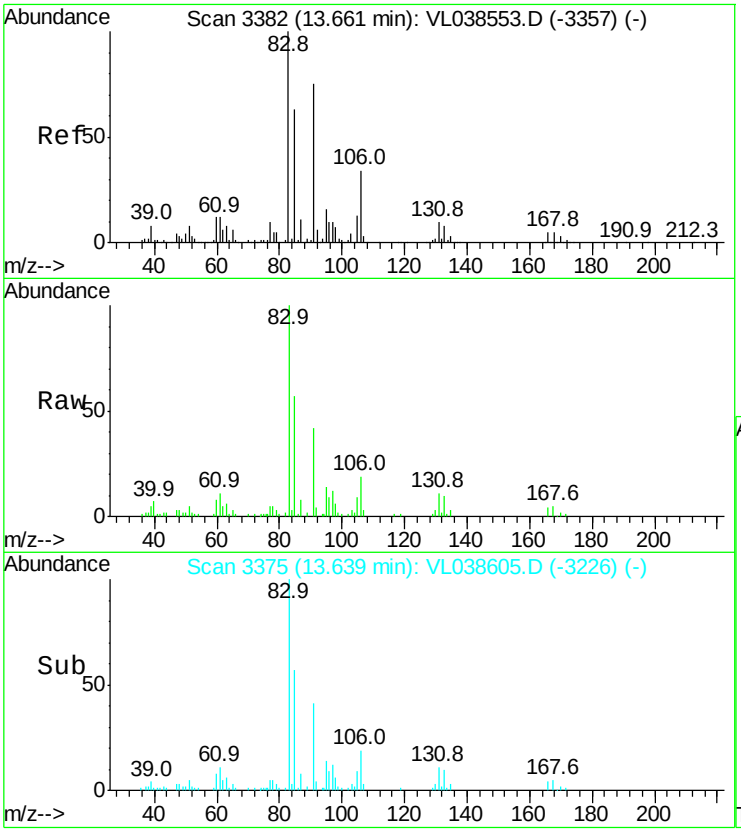


#62
Isopropylbenzene
Concen: 0.27 ppbv
RT: 14.63 min Scan# 3684
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:105 Resp: 71363

Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.2	31.8#



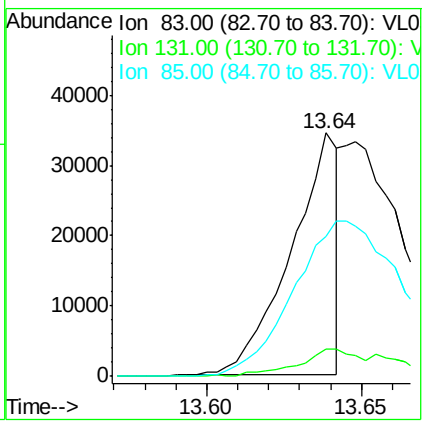


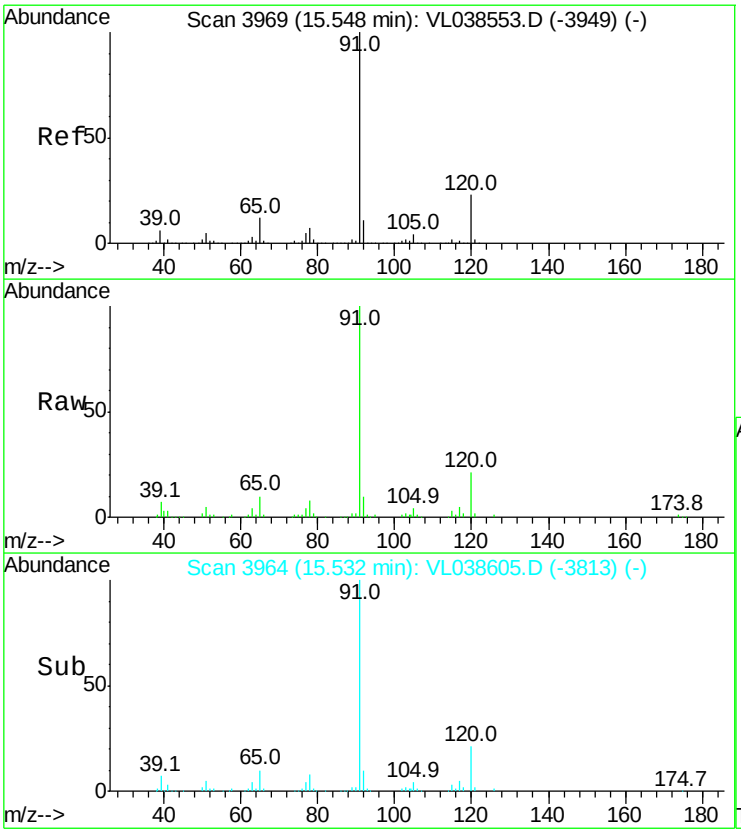
#63
1,1,2,2-Tetrachloroethane
Concen: 0.23 ppbv
RT: 13.64
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 83 Resp: 36247

Ion	Ratio	Lower	Upper
83	100		
131	24.3	4.7	14.1#
85	166.5	32.6	98.0#

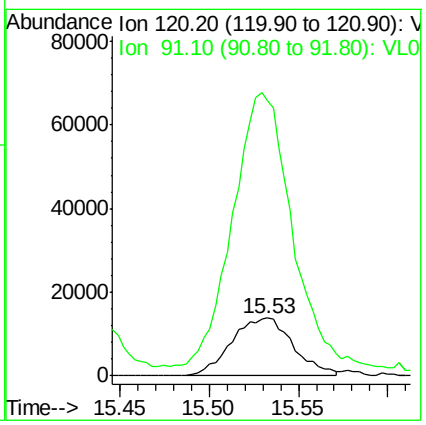


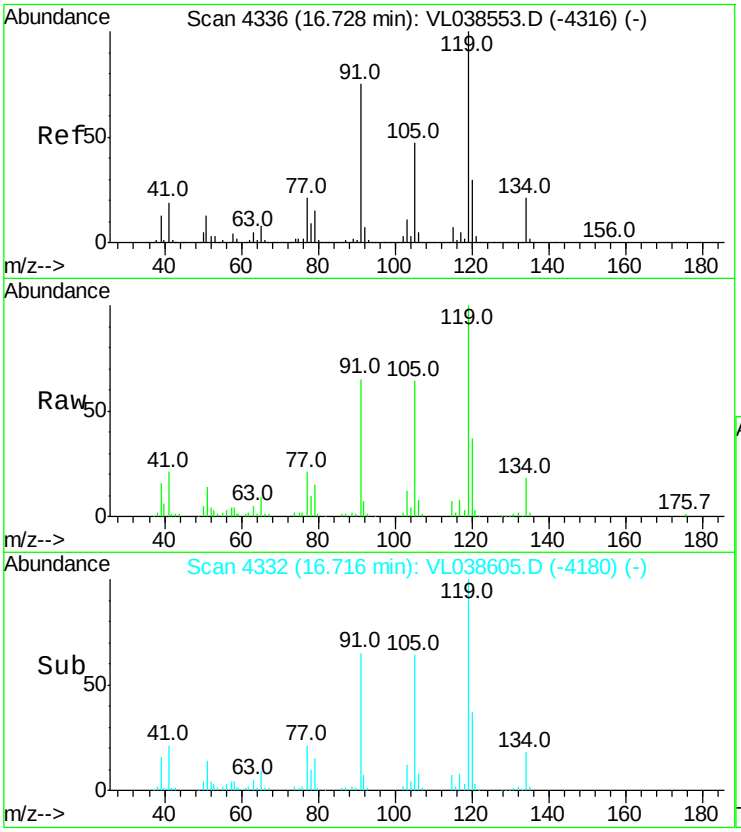


#64
n-propylbenzene
Concen: 0.50 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:120 Resp: 33269

Ion	Ratio	Lower	Upper
120	100		
91	508.7	374.2	561.2



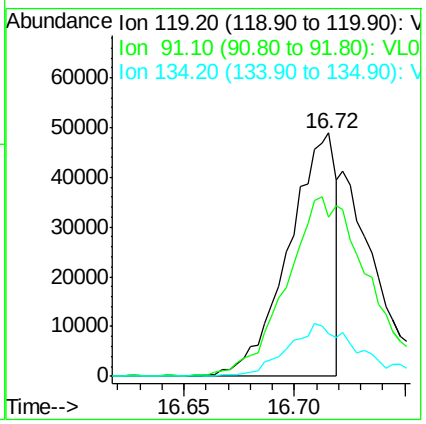


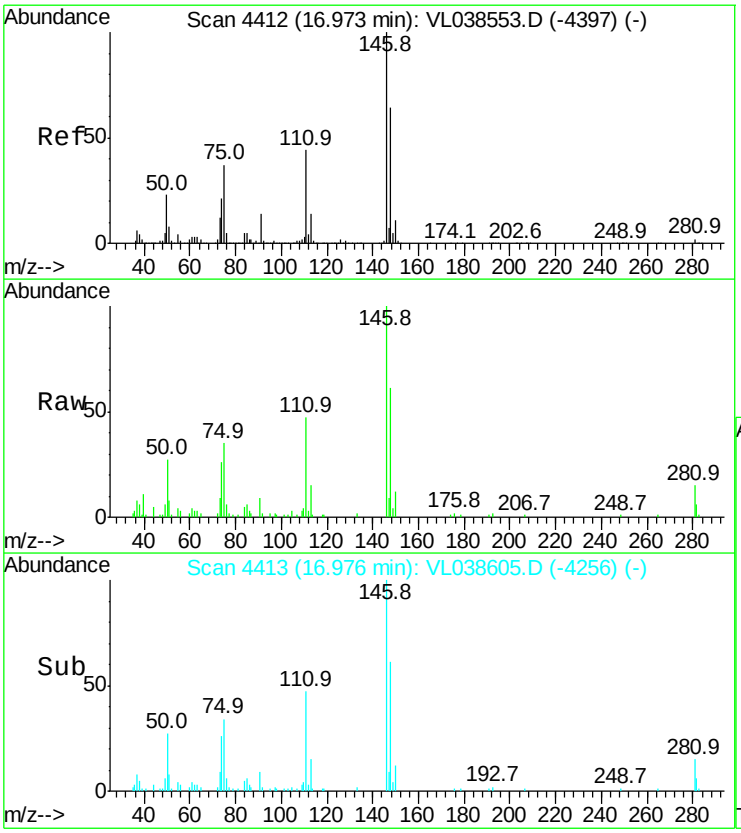
#65
tert-Butylbenzene
Concen: 0.31 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:119 Resp: 72625

Ion	Ratio	Lower	Upper
119	100		
91	135.6	61.2	91.8#
134	34.1	16.2	24.2#

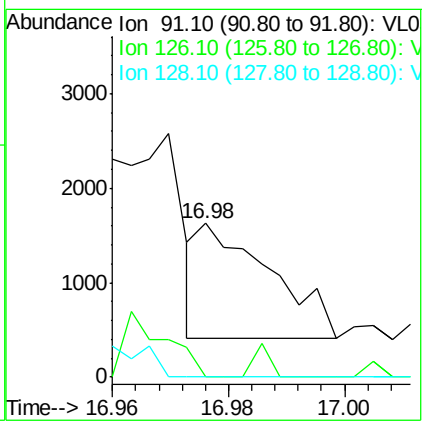


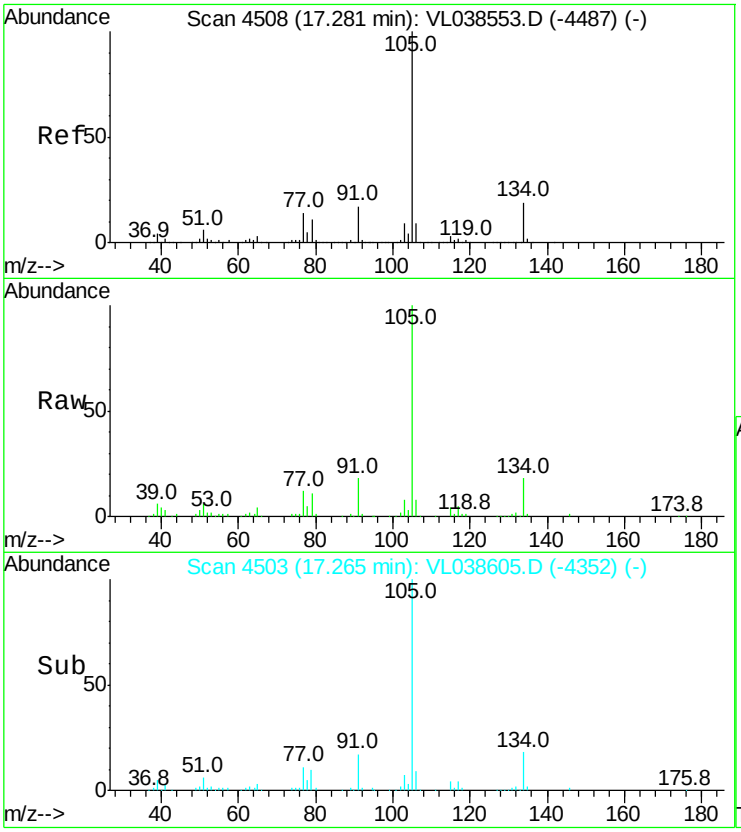


#66
Benzyl Chloride
Concen: 0.08 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.00 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 91 Resp: 1054

Ion	Ratio	Lower	Upper
91	100		
126	6.5	14.1	21.1#
128	0.0	5.1	7.7#



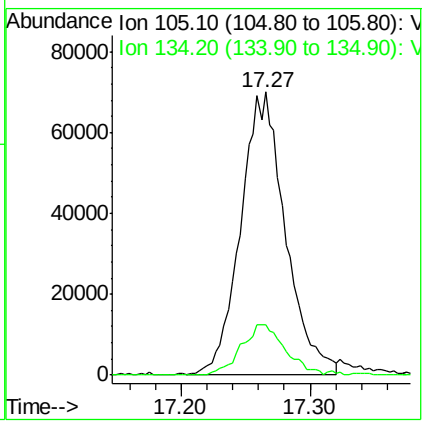


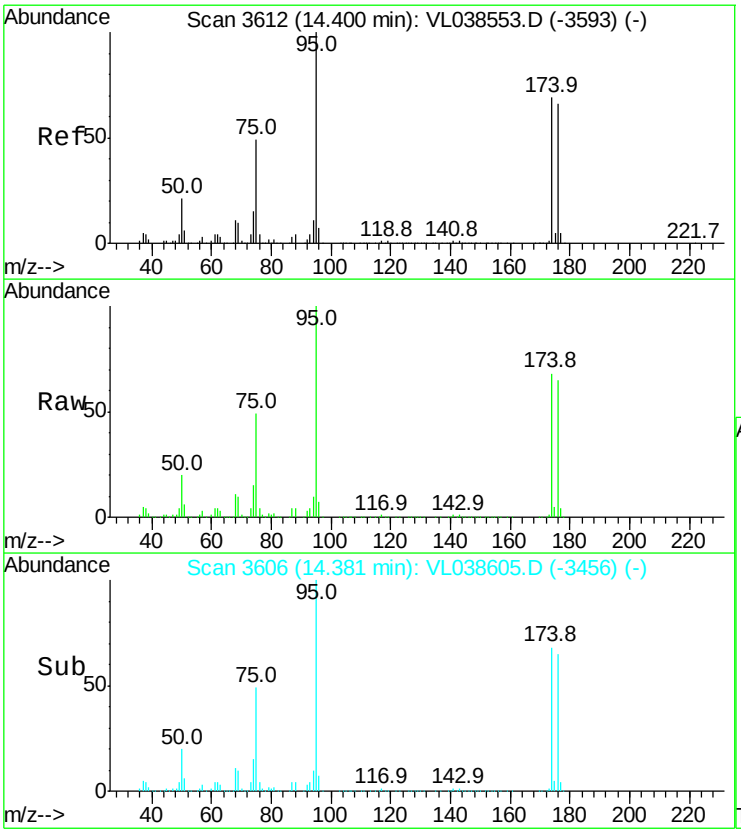
#67
sec-Butylbenzene
Concen: 0.51 ppbv
RT: 17.27
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:105 Resp: 169536

Ion	Ratio	Lower	Upper
105	100		
134	18.0	15.0	22.6

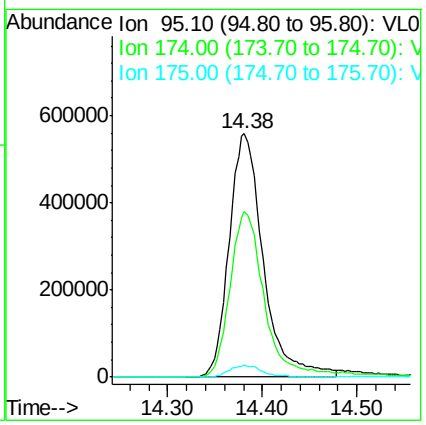


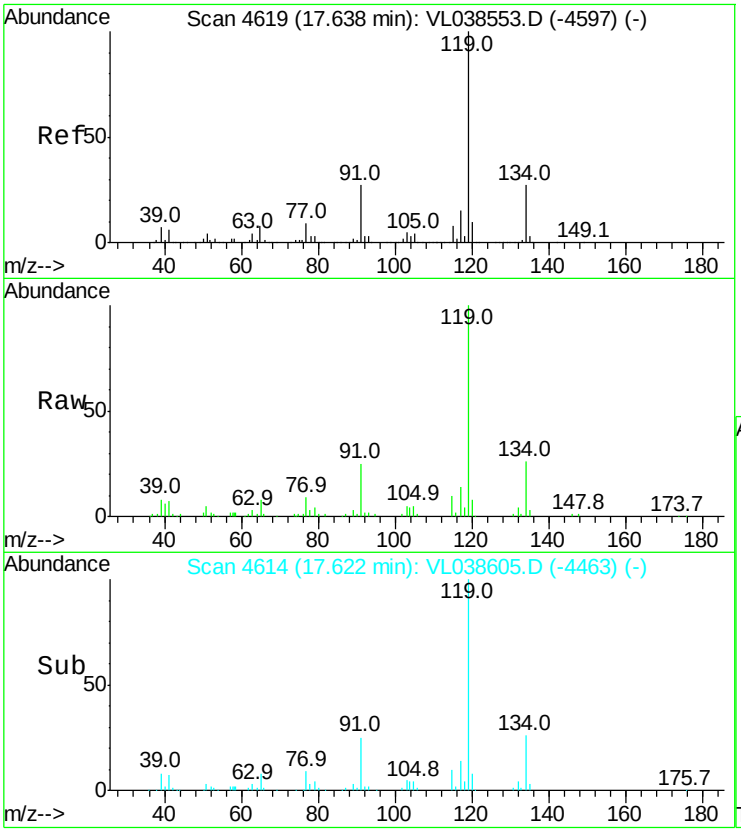


#68
1-Bromo-4-Fluorobenzene
Concen: 10.25 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 95 Resp: 1402736

Ion	Ratio	Lower	Upper
95	100		
174	70.9	56.2	84.4
175	5.0	4.2	6.2



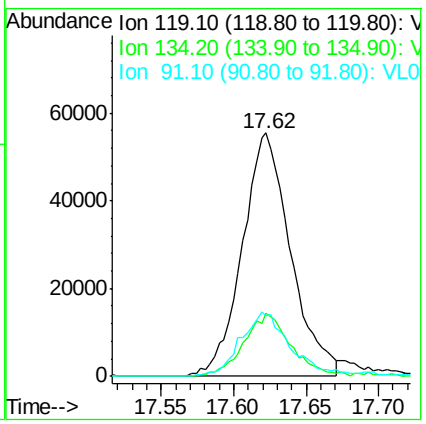


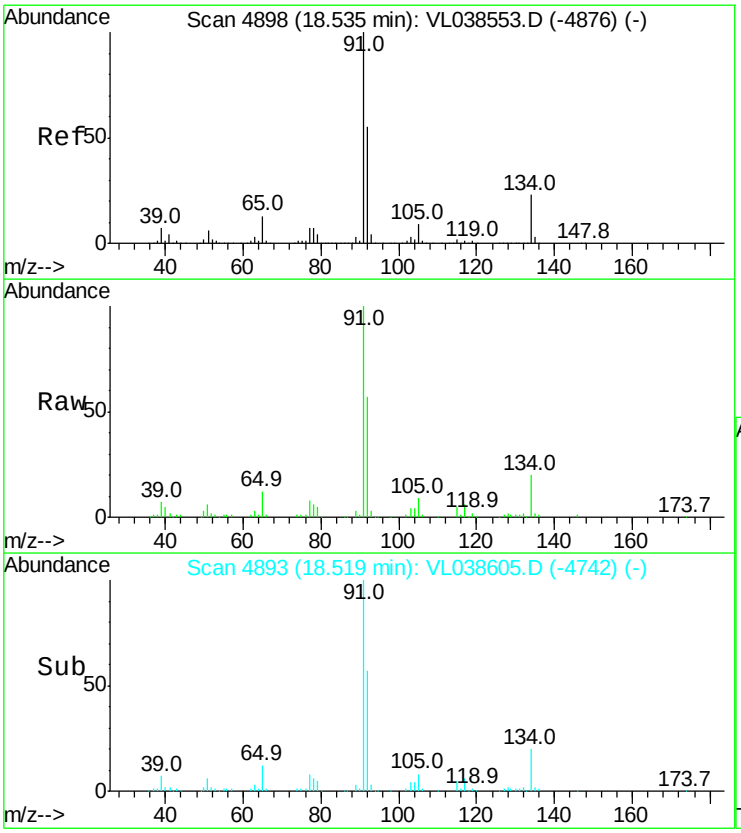
#69
p-Isopropyltoluene
Concen: 0.47 ppbv
RT: 17.62
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:119 Resp: 128566

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.9	31.3
91	28.5	21.1	31.7

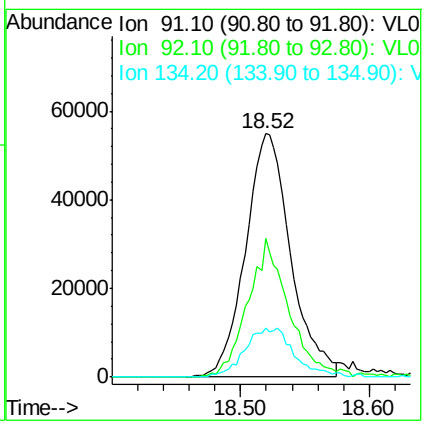


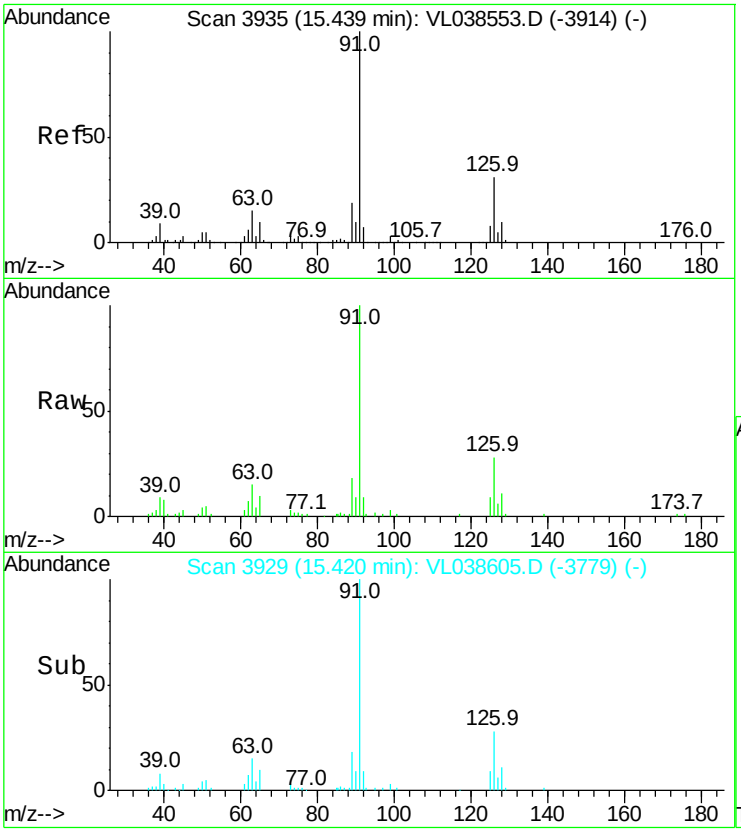


#70
n-Butylbenzene
Concen: 0.46 ppbv
RT: 18.52 min Scan# 4893
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion: 91 Resp: 134366

Ion	Ratio	Lower	Upper
91	100		
92	52.1	43.8	65.8
134	22.1	18.7	28.1



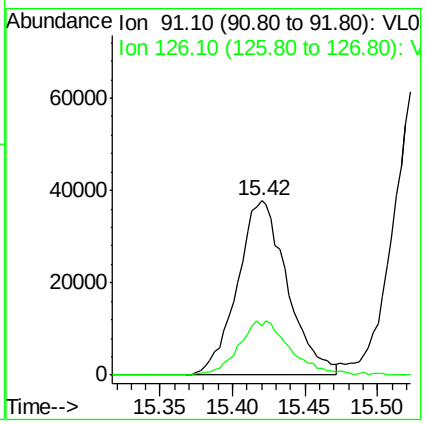


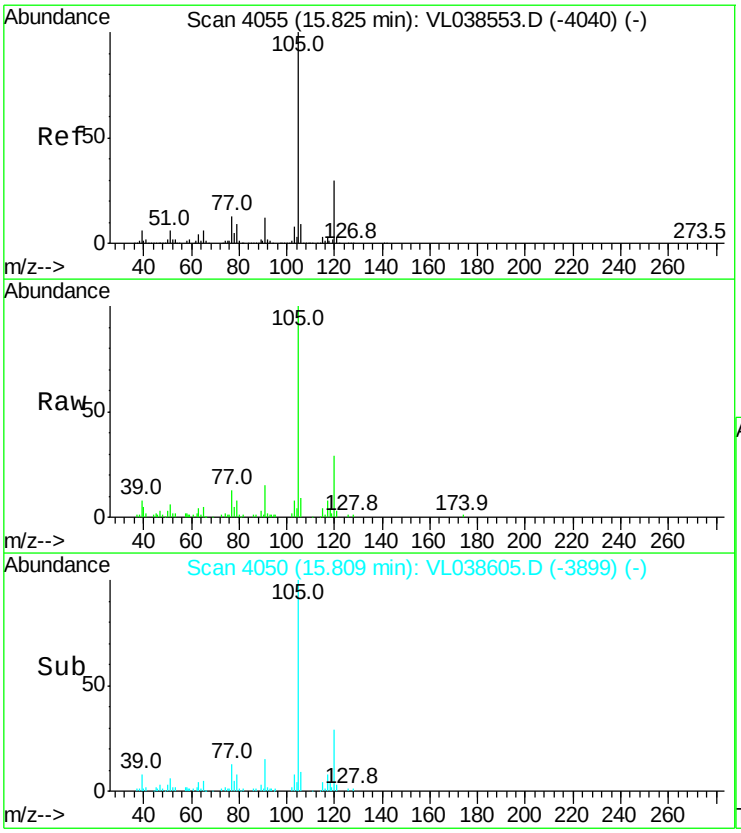
#71
2-Chlorotoluene
Concen: 0.47 ppbv
RT: 15.42
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 91 Resp: 90599

Ion	Ratio	Lower	Upper
91	100		
126	32.1	12.9	51.7

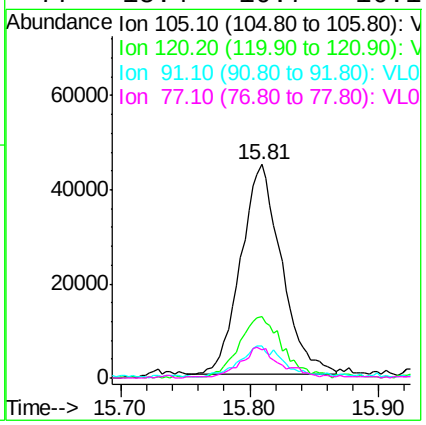


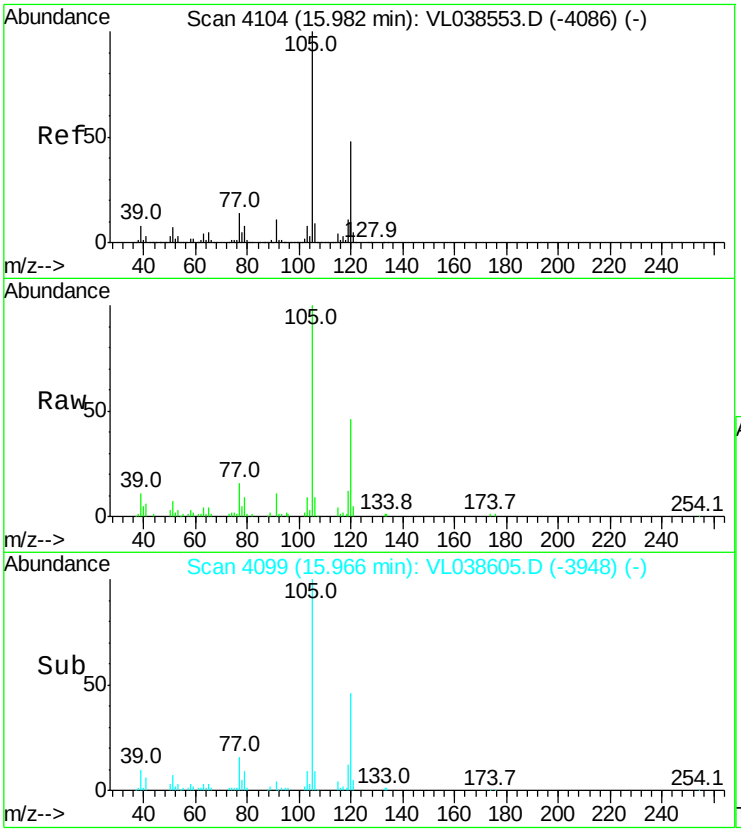


#72
4-Ethyltoluene
Concen: 0.46 ppbv
RT: 15.81 min Scan# 4050
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:105 Resp: 98670

Ion	Ratio	Lower	Upper
105	100		
120	32.9	25.0	37.4
91	16.2	9.8	14.6#
77	15.4	10.7	16.1



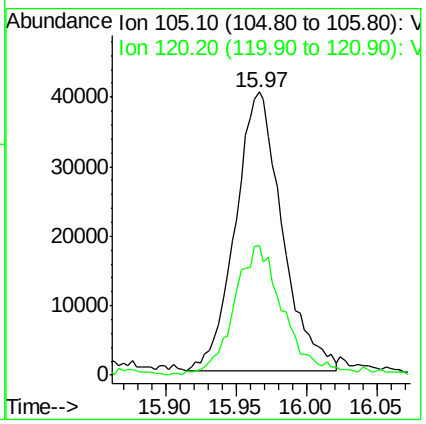


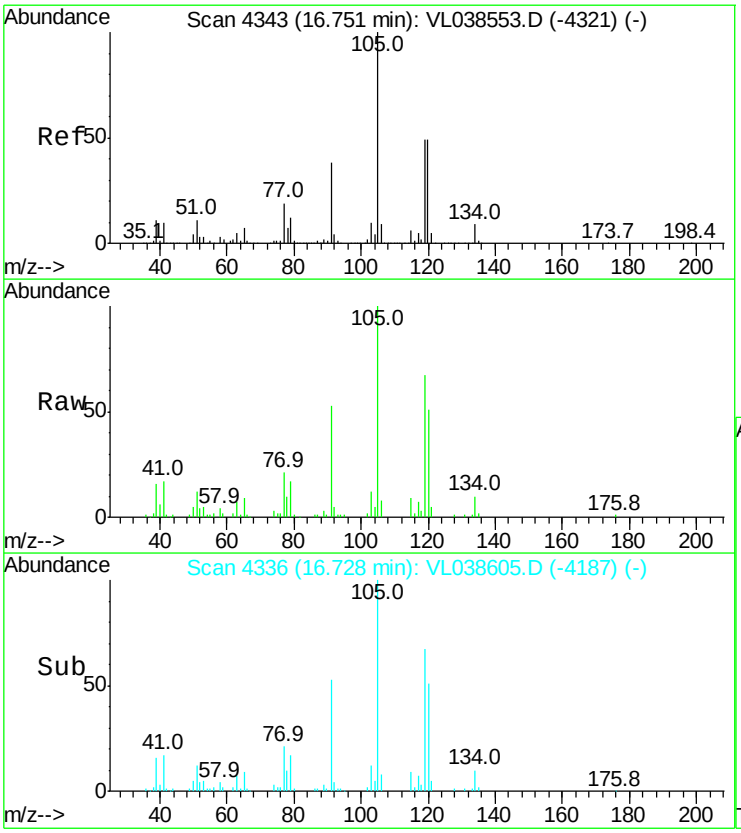
#73
1,3,5-Trimethylbenzene
Concen: 0.47 ppbv
RT: 15.97
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:105 Resp: 93536

Ion	Ratio	Lower	Upper
105	100		
120	44.9	38.3	57.5

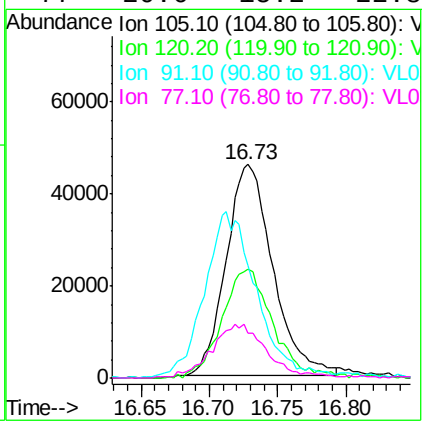


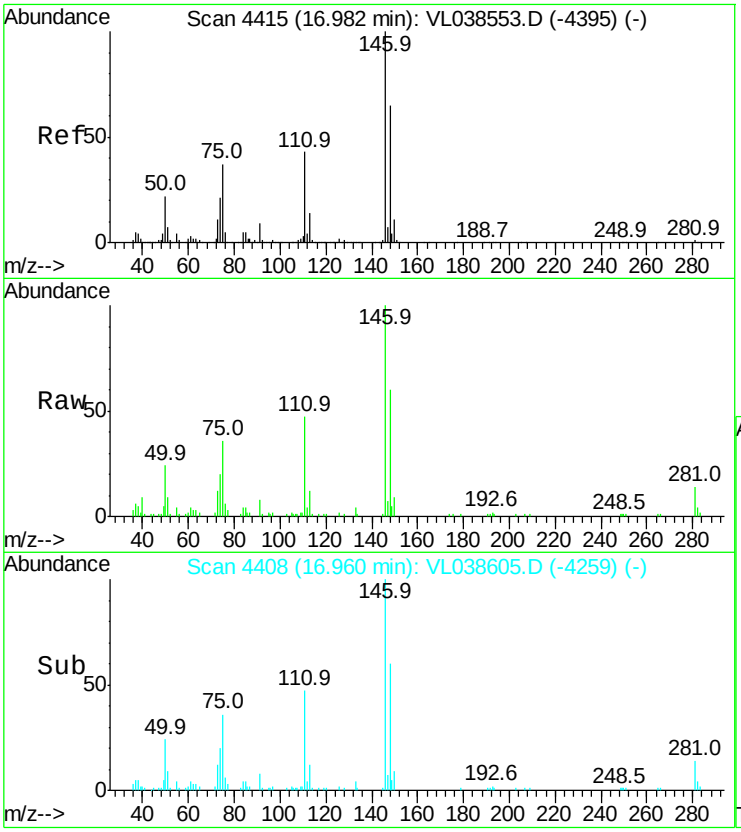


#74
1,2,4-Trimethylbenzene
Concen: 0.51 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:105 Resp: 109596

Ion	Ratio	Lower	Upper
105	100		
120	50.1	38.9	58.3
91	51.5	30.6	46.0#
77	20.6	15.2	22.8



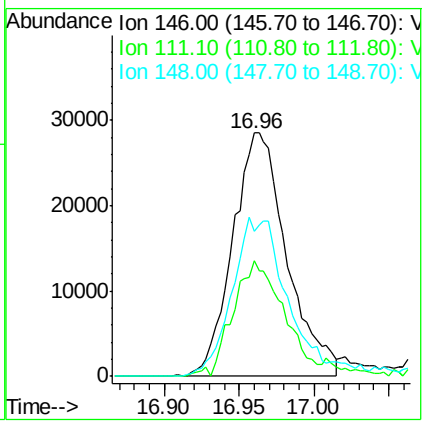


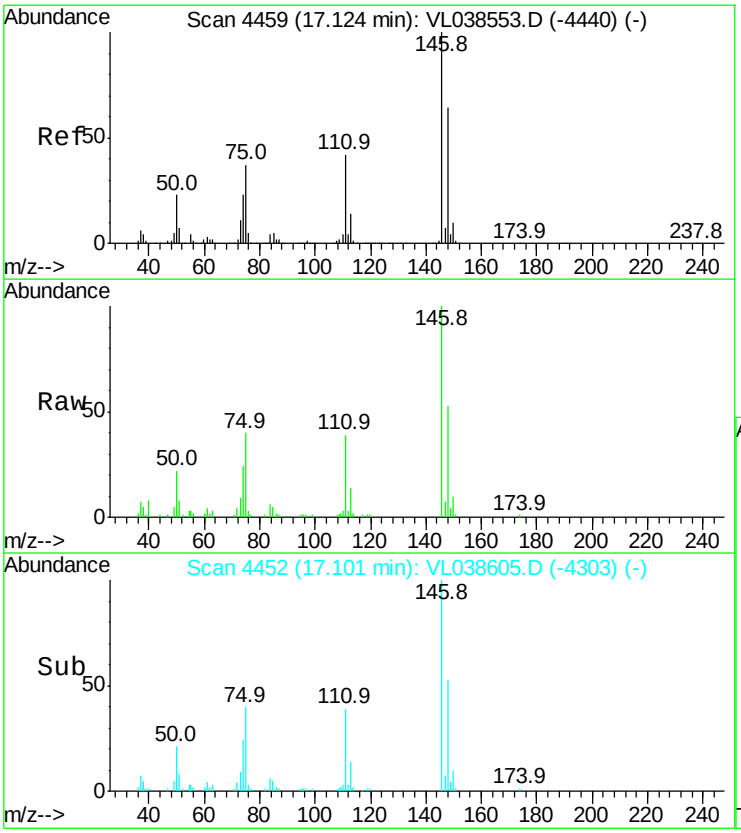
#75
1,3-Dichlorobenzene
Concen: 0.53 ppbv
RT: 16.96
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:146 Resp: 71698

Ion	Ratio	Lower	Upper
146	100		
111	47.5	21.9	65.8
148	68.6	32.2	96.6

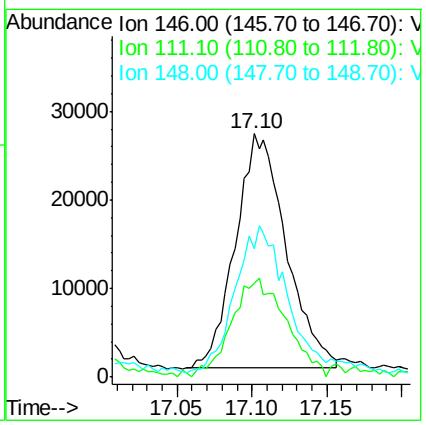


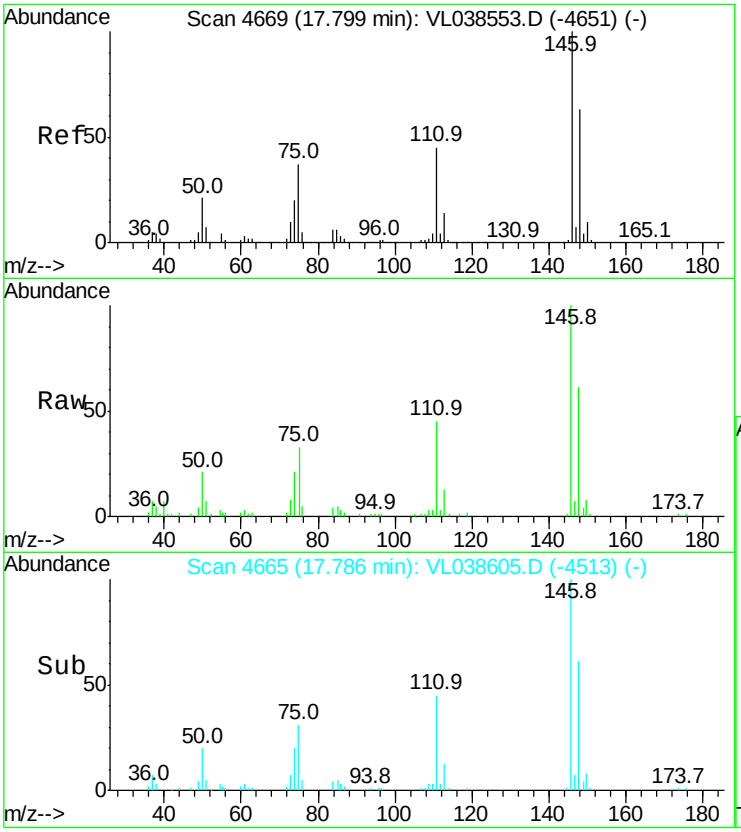


#76
1,4-Dichlorobenzene
Concen: 0.47 ppbv
RT: 17.10 min Scan# 4452
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:146 Resp: 62410

Ion	Ratio	Lower	Upper
146	100		
111	48.7	21.8	65.3
148	74.0	32.8	98.4



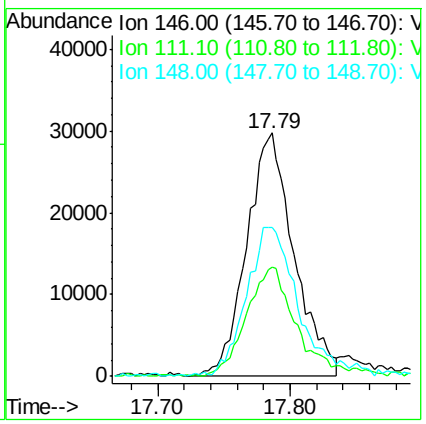


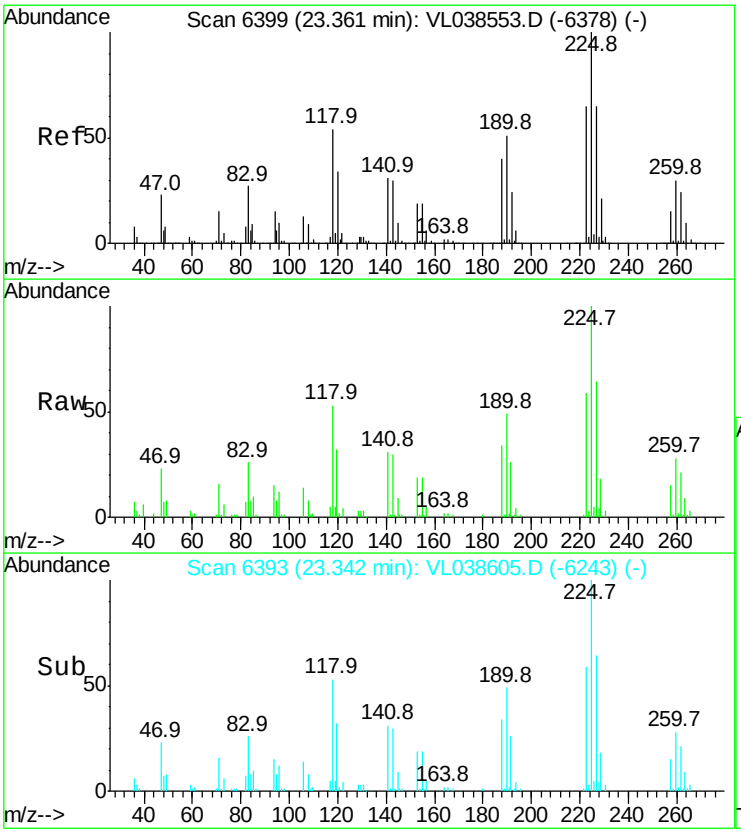
#77
1,2-Dichlorobenzene
Concen: 0.54 ppbv
RT: 17.79
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:146 Resp: 74008

Ion	Ratio	Lower	Upper
146	100		
111	48.8	23.2	69.5
148	69.8	32.6	98.0

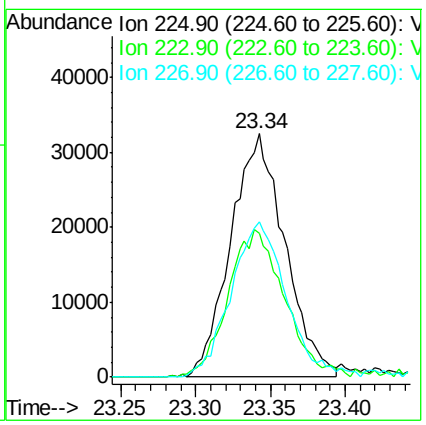


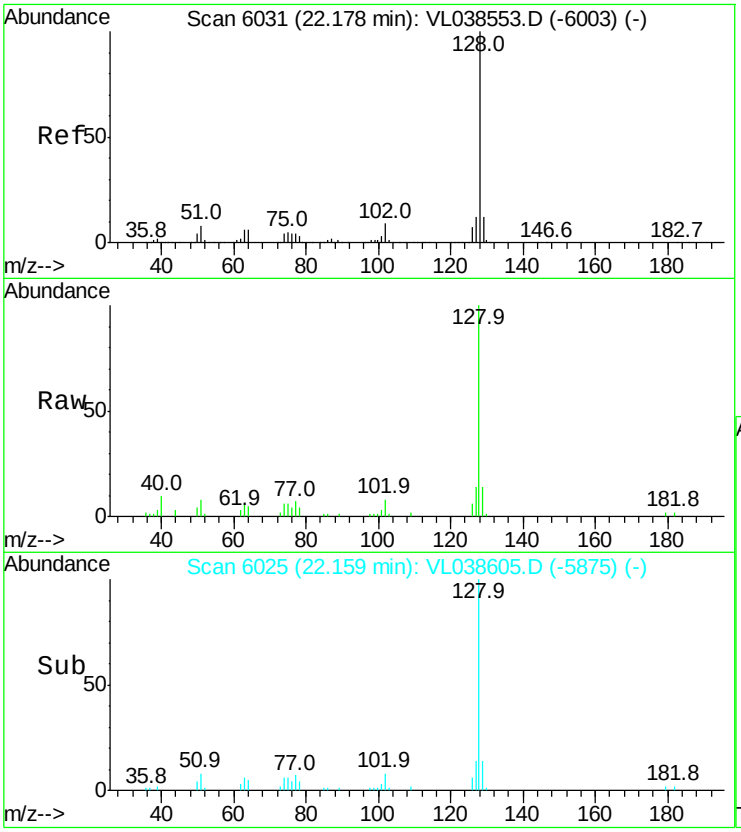


#78
Hexachloro-1,3-Butadiene
Concen: 0.61 ppbv
RT: 23.34 min Scan# 6393
Delta R.T. -0.02 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:225 Resp: 81750

Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.4	77.0
227	66.6	51.9	77.9



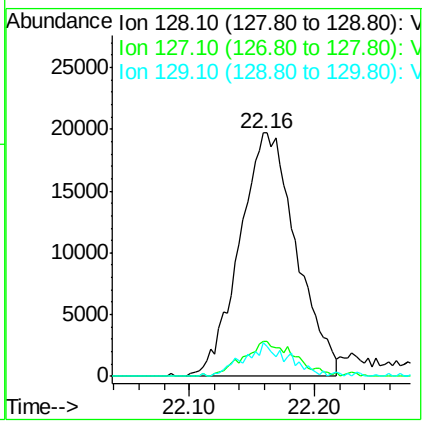


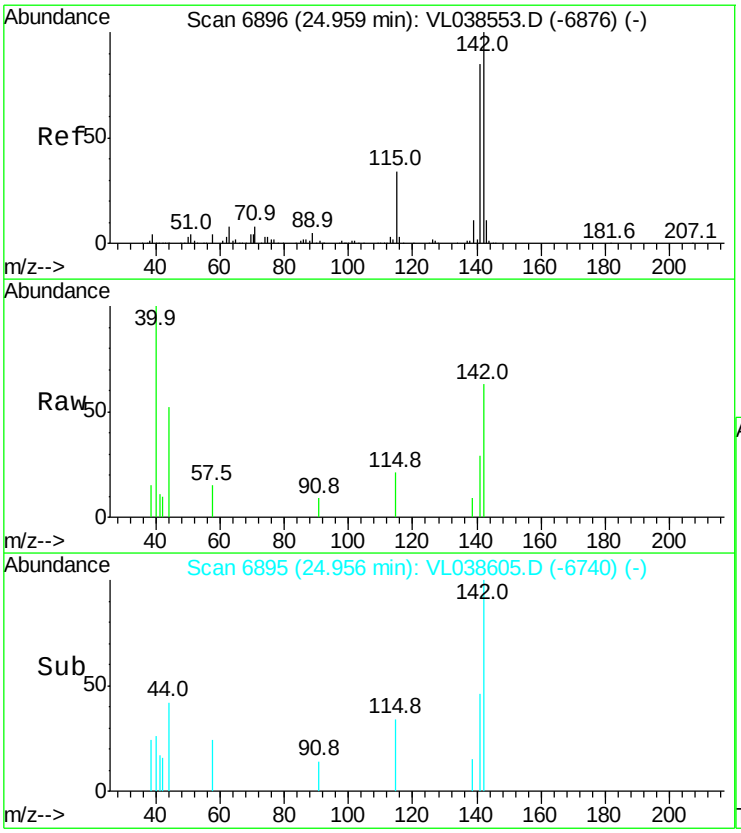
#79
Naphthalene
Concen: 0.32 ppbv
RT: 22.16
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:128 Resp: 61869

Ion	Ratio	Lower	Upper
128	100		
127	14.4	9.9	14.9
129	13.6	9.3	13.9

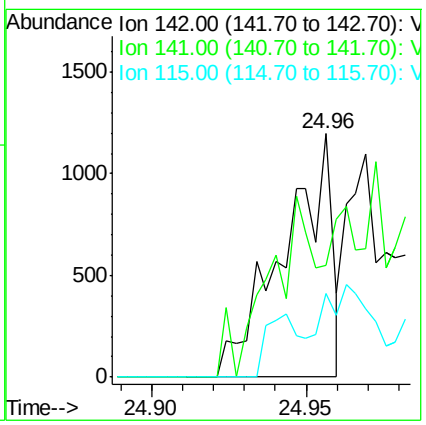


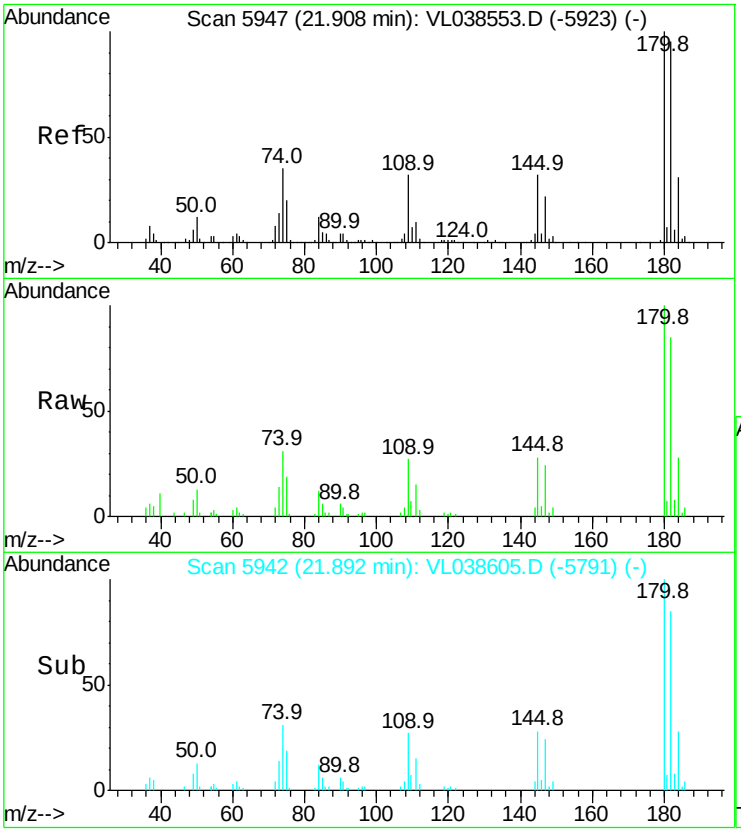


#80
Naphthalene,2-methyl-
Concen: 0.04 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL038605.D
Acq: 14 Mar 2022 20:42

Tgt Ion:142 Resp: 1302

Ion	Ratio	Lower	Upper
142	100		
141	0.0	68.4	102.6#
115	0.0	27.9	41.9#





#81
1,2,4-Trichlorobenzene
Concen: 0.36 ppbv
RT: 21.89
Delta R.T
Lab File:
Acq: 14 Mar 2022 20:42

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:180 Resp: 44346

Ion	Ratio	Lower	Upper
180	100		
182	107.7	79.1	118.7
184	33.3	25.0	37.6