Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038603.D
Acq On : 14 Mar 2022 19:28
Operator : SY/AP
Sample : N1645-13 0.45 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:42:05 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	5.65	49	773059	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.15	114	2035750	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.05	117	1802738	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1390216	10.14	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	65018	0.56	ppbv		96
3) Chlorodifluoromethane	2.98	51	74635	0.55	ppbv		100
4) Chloromethane	3.13	50	28892	0.57	ppbv		97
5) Vinyl Chloride	3.24	62	23892	0.47	ppbv		92
6) Bromomethane	3.47	94	12291	0.45	ppbv		100
7) Chloroethane	3.55	64	8535	0.52	ppbv		90
8) Dichlorotetrafluoroethane	3.18	85	70533	0.62	ppbv		94
9) Propene	3.00	41	23419	0.49	ppbv		97
10) Heptane	8.10	43	48116	0.42	ppbv		90
11) Trichlorofluoromethane	3.93	101	53838	0.53	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	44642	0.56	ppbv		97
14) Bromoethene	3.72	108	17733	0.52	ppbv		91
15) Acetone	3.85	43	30559	0.56	ppbv		92
16) 1,3-Butadiene	3.32	39	21702	0.50	ppbv		95
17) tert-Butyl alcohol	4.30	59	16936	0.29	ppbv	#	73
18) 1,1-Dichloroethene	4.27	96	19445	0.55	ppbv	#	81
19) Isopropyl Alcohol	3.97	45	8970	0.25	ppbv	#	90
20) Methylene Chloride	4.33	84	17848	0.54	ppbv		89
21) Allyl Chloride	4.40	41	23513	0.45	ppbv		86
22) trans-1,2-Dichloroethene	4.86	96	18083	0.48	ppbv		95
23) Vinyl Acetate	5.06	43	29386	0.38	ppbv	#	88
24) 1,1-Dichloroethane	4.99	63	39019	0.55	ppbv		97
25) Ethyl Acetate	5.67	43	86839	0.47	ppbv		97
26) Hexane	5.67	57	41340	0.48	ppbv		90
27) Carbon Disulfide	4.53	76	39609	0.46	ppbv	#	90
28) Methyl tert-Butyl Ether	5.03	73	34030	0.48	ppbv		97
29) Chloroform	5.73	83	68158	0.51	ppbv		96
30) Cyclohexane	7.10	84	15319	0.21	ppbv	#	21
31) cis-1,2-Dichloroethene	5.53	61	34896	0.42	ppbv		92
32) 1,1,1-Trichloroethane	6.48	97	64741	0.50	ppbv		98
34) 2-Butanone	5.24	43	12519	0.24	ppbv	#	41
35) Carbon Tetrachloride	7.00	117	68843	0.50	ppbv		95
36) Benzene	6.86	78	80166	0.44	ppbv		95
37) 1,2-Dichloroethane	6.28	62	44608	0.51	ppbv		100
38) Trichloroethene	7.80	130	31268	0.43	ppbv		93
39) 1,2-Dichloropropane	7.58	63	32246	0.46	ppbv		94
41) Tetrahydrofuran	6.04	42	1779	0.04	ppbv	#	37
42) Bromodichloromethane	7.76	83	65501	0.47	ppbv		99
43) Methyl Methacrylate	8.00	69	21313	0.34	ppbv	#	93
44) 2,2,4-Trimethylpentane	7.84	57	137756	0.44	ppbv	#	92
45) t-1,3-Dichloropropene	9.25	75	6237	0.14	ppbv		100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038603.D
Acq On : 14 Mar 2022 19:28
Operator : SY/AP
Sample : N1645-13 0.45 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:42:05 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)
46) cis-1,3-Dichloropropene	8.67	75	20848	0.34	ppbv		91
47) 1,1,2-Trichloroethane	9.45	97	34040	0.47	ppbv		90
48) Dibromochloromethane	10.28	129	48734	0.43	ppbv		97
49) Bromoform	13.01	173	39237	0.45	ppbv		97
50) 4-Methyl-2-Pentanone	8.74	43	33265	0.31	ppbv		90
52) Tetrachloroethene	11.19	164	28565	0.42	ppbv		97
53) Toluene	9.78	91	72346	0.37	ppbv		99
54) 1,2-Dibromoethane	10.58	107	40559	0.39	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.10	131	25266	0.34	ppbv	#	26
57) Chlorobenzene	12.11	112	74246	0.54	ppbv	#	91
58) Ethyl Benzene	12.68	91	90327	0.39	ppbv		98
59) m/p-Xylene	12.97	91	65340	0.33	ppbv	#	30
60) o-Xylene	13.66	91	78317	0.42	ppbv		99
61) Styrene	13.50	104	26011	0.28	ppbv	#	87
62) Isopropylbenzene	14.64	105	123436	0.47	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.65	83	77776	0.49	ppbv		94
64) n-propylbenzene	15.53	120	28223	0.43	ppbv		72
65) tert-Butylbenzene	16.72	119	103850	0.45	ppbv		94
66) Benzyl Chloride	16.94	91	866	0.06	ppbv	#	66
67) sec-Butylbenzene	17.27	105	150534	0.45	ppbv		98
69) p-Isopropyltoluene	17.62	119	55589	0.20	ppbv	#	37
70) n-Butylbenzene	18.52	91	117648	0.40	ppbv		98
71) 2-Chlorotoluene	15.42	91	79190	0.41	ppbv		98
72) 4-Ethyltoluene	15.81	105	87156	0.40	ppbv	#	96
73) 1,3,5-Trimethylbenzene	15.97	105	82007	0.41	ppbv		90
74) 1,2,4-Trimethylbenzene	16.73	105	96990	0.45	ppbv	#	94
75) 1,3-Dichlorobenzene	16.97	146	61741	0.46	ppbv		93
76) 1,4-Dichlorobenzene	17.10	146	30623	0.23	ppbv	#	17
77) 1,2-Dichlorobenzene	17.79	146	65345	0.48	ppbv		96
78) Hexachloro-1,3-Butadiene	23.34	225	73030	0.55	ppbv		99
79) Naphthalene	22.16	128	53522	0.28	ppbv		96
80) Naphthalene,2-methyl-	24.94	142	1494	0.04	ppbv	#	24
81) 1,2,4-Trichlorobenzene	21.89	180	41528	0.34	ppbv		96

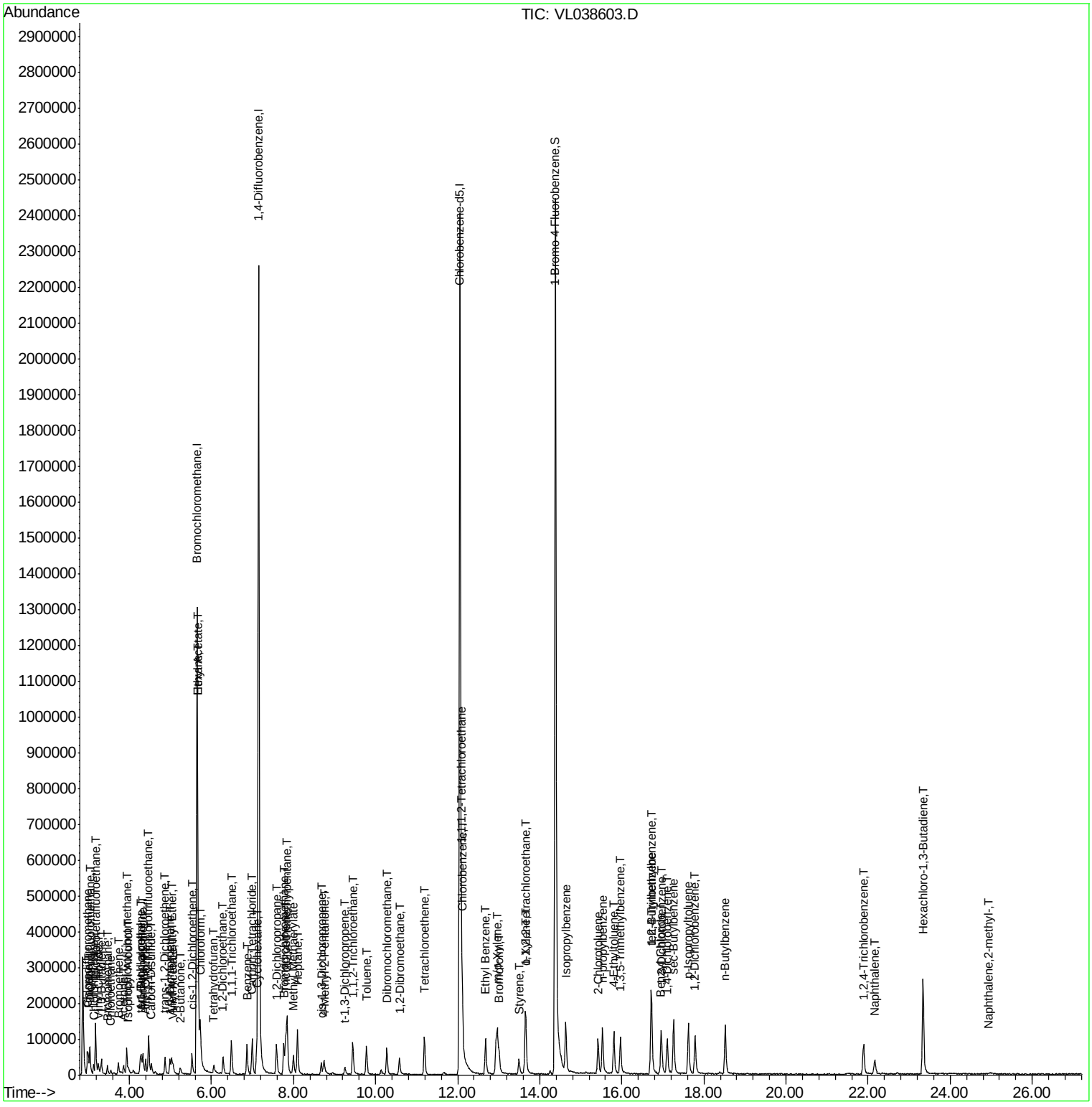
(#) = qualifier out of range (m) = manual integration (+) = signals summed

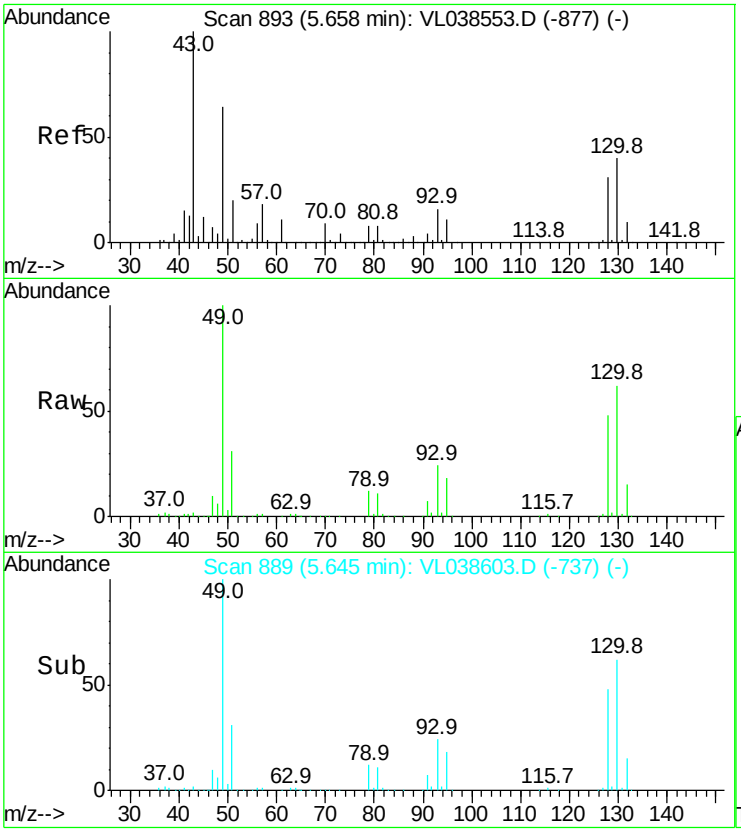
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038603.D
Acq On : 14 Mar 2022 19:28
Operator : SY/AP
Sample : N1645-13 0.45 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:42:05 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



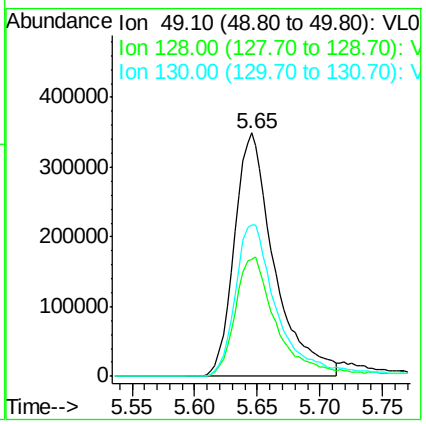


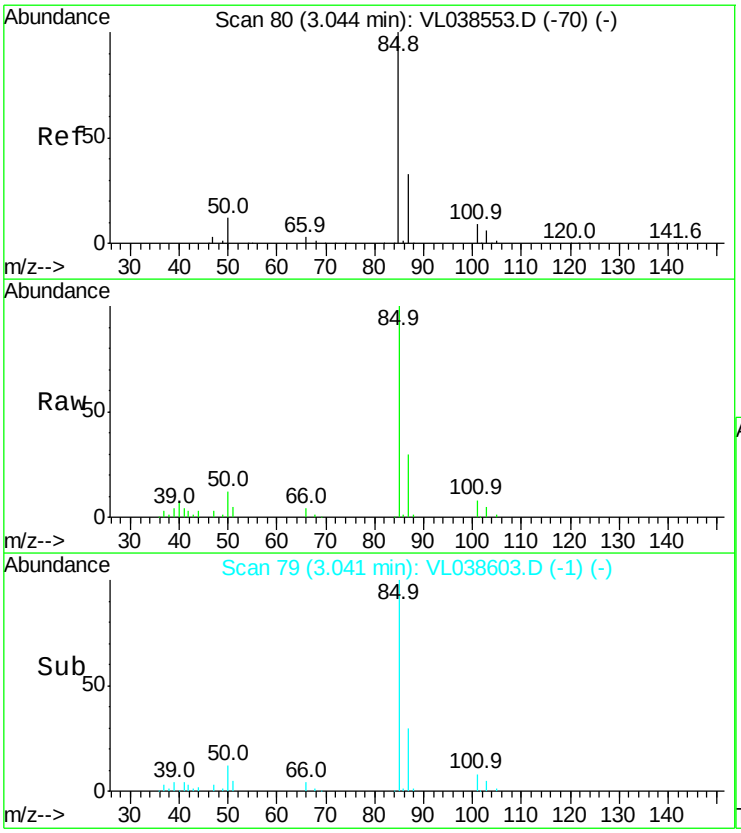
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 49 Resp: 773059

Ion	Ratio	Lower	Upper
49	100		
128	53.7	26.4	79.2
130	69.2	33.0	98.9

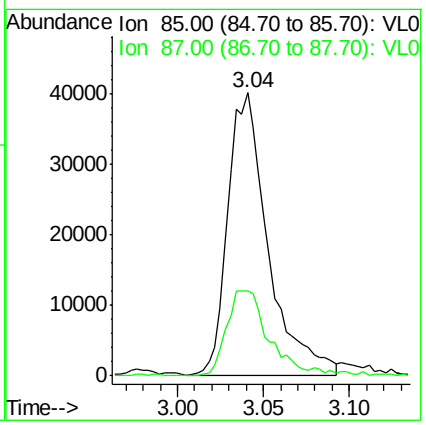


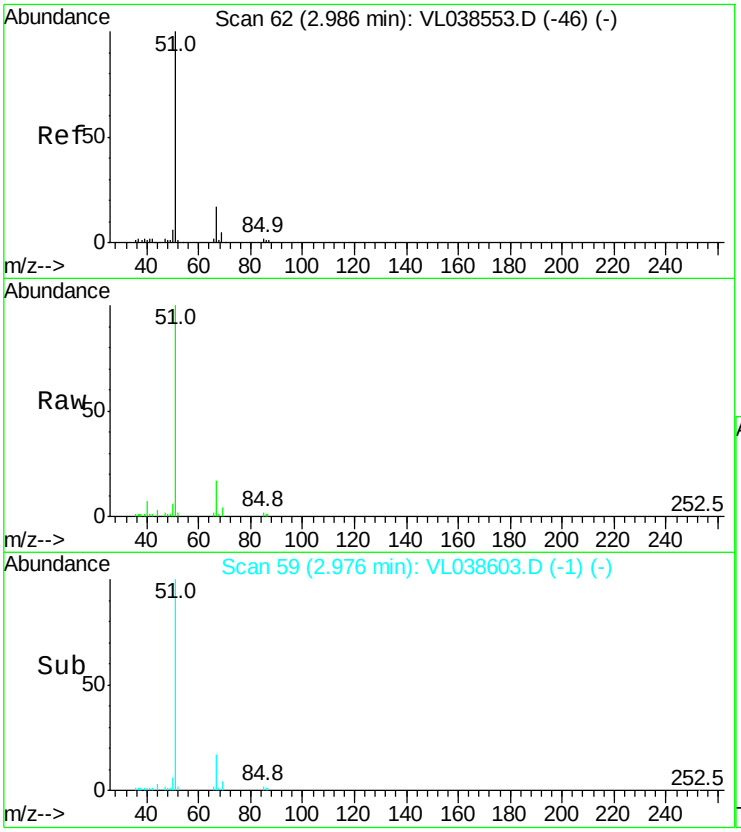


#2
Dichlorodifluoromethane
Concen: 0.56 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 85 Resp: 65018

Ion	Ratio	Lower	Upper
85	100		
87	30.3	26.2	39.2



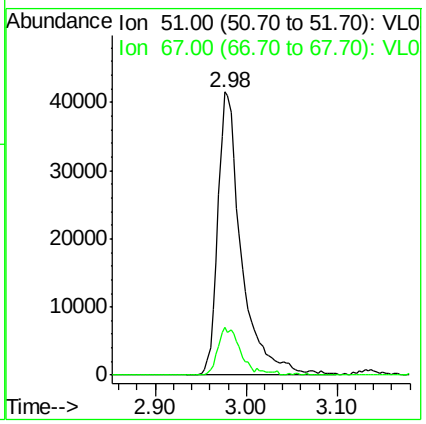


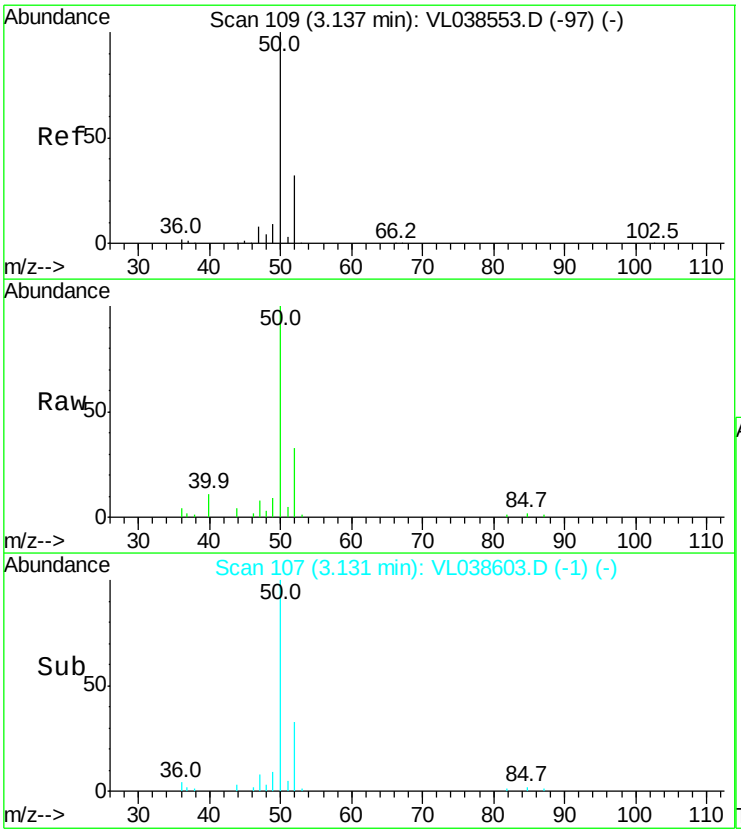
#3
Chlorodifluoromethane
Concen: 0.55 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 51 Resp: 74635

Ion	Ratio	Lower	Upper
51	100		
67	16.8	13.6	20.4

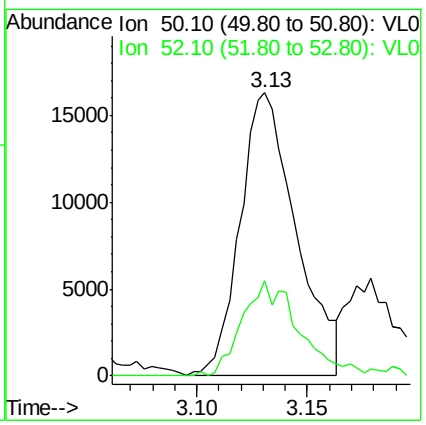


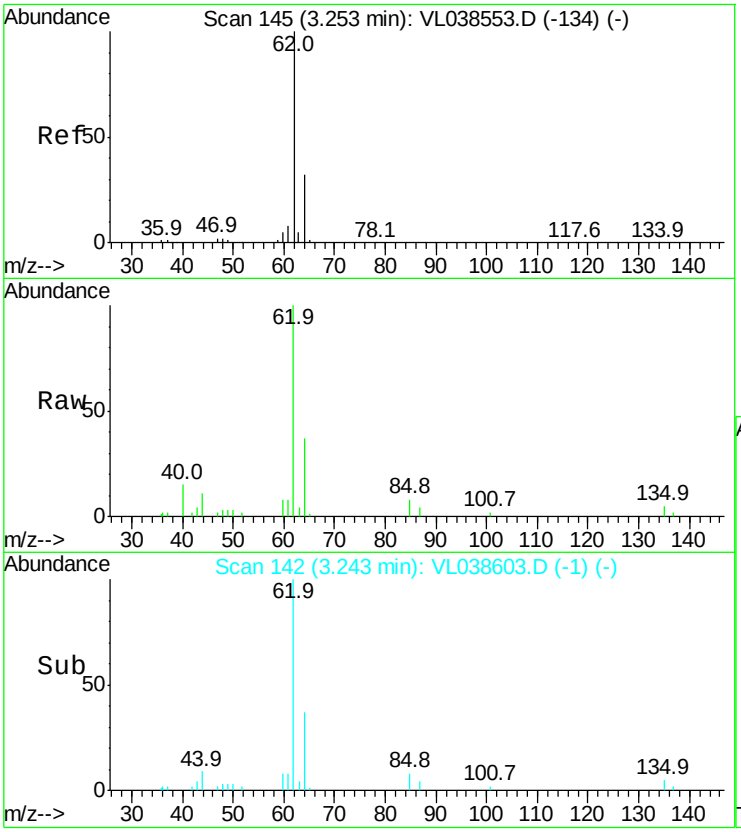


#4
Chloromethane
Concen: 0.57 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 50 Resp: 28892

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.6	38.4



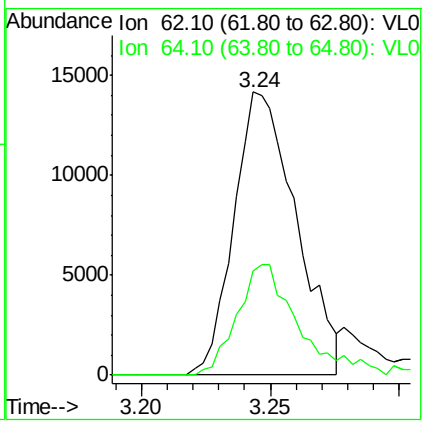


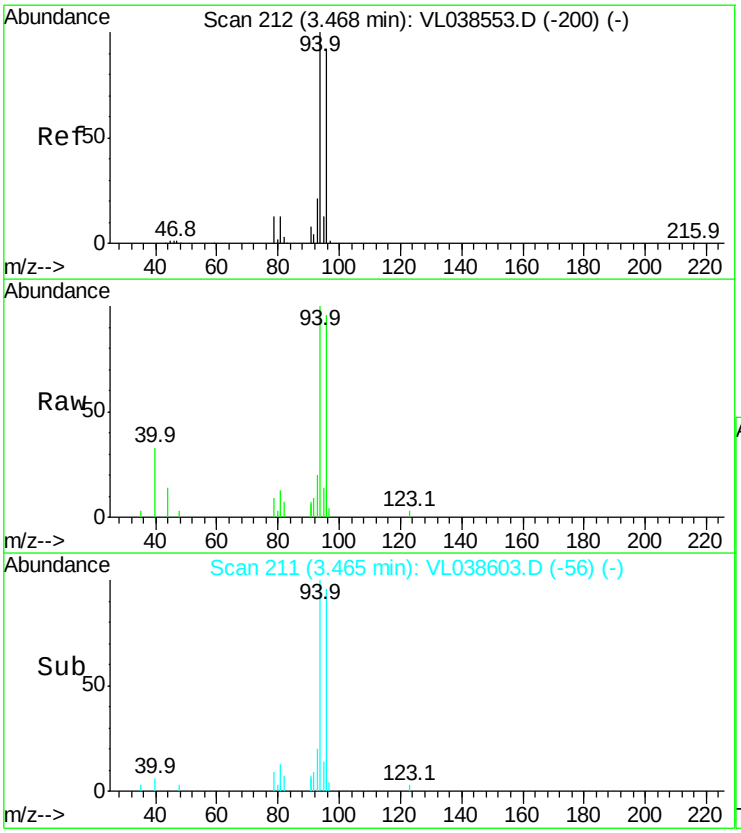
#5
Vinyl Chloride
Concen: 0.47 ppbv
RT: 3.24
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 62 Resp: 23892

Ion	Ratio	Lower	Upper
62	100		
64	36.8	25.8	38.6

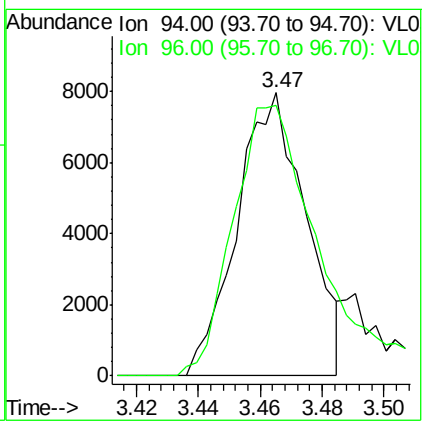


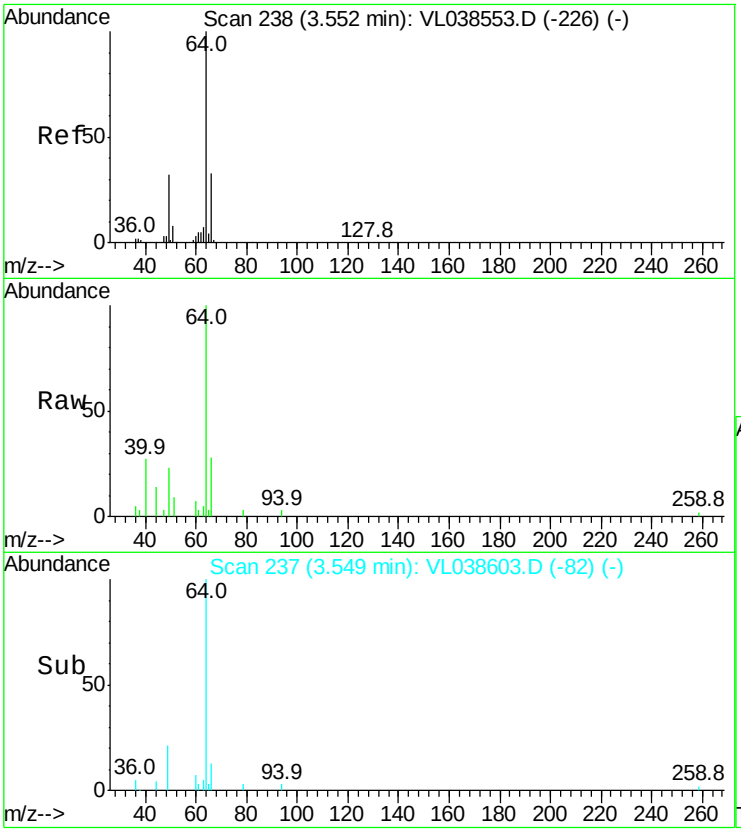


#6
Bromomethane
Concen: 0.45 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 94 Resp: 12291

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.7	110.5



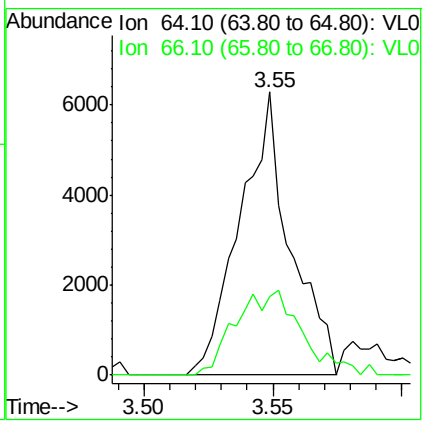


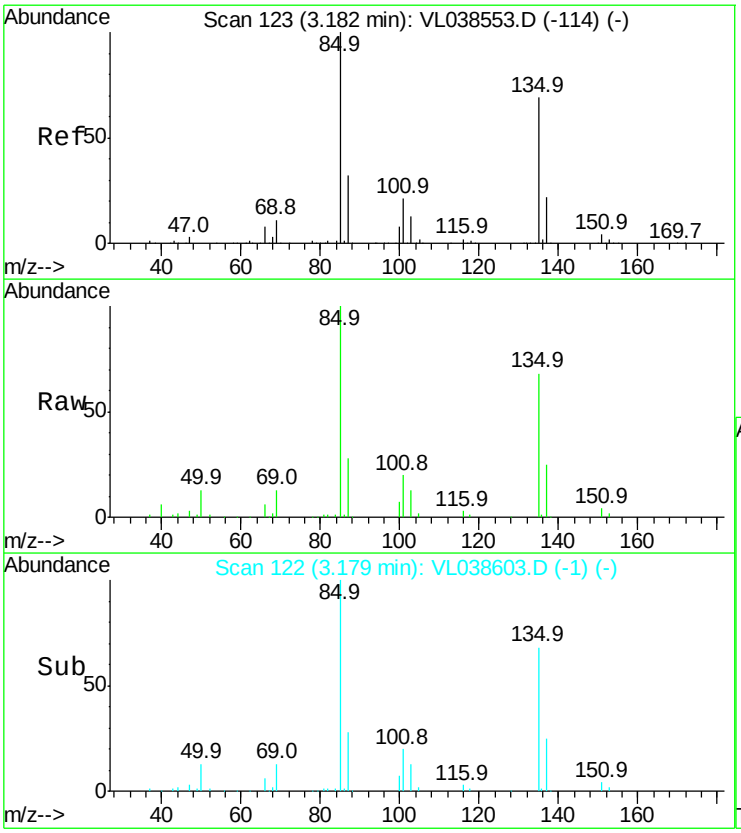
#7
Chloroethane
Concen: 0.52 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 64 Resp: 8535

Ion	Ratio	Lower	Upper
64	100		
66	27.8	26.6	39.8

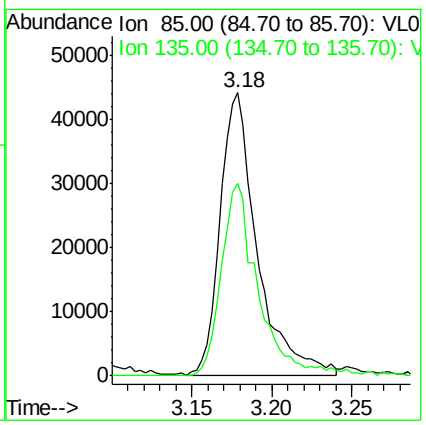


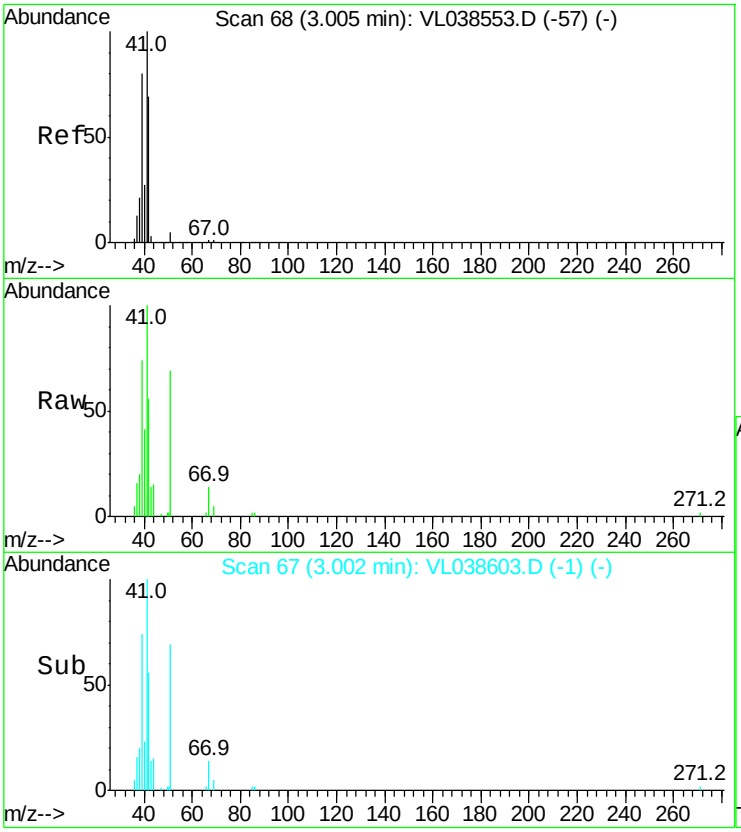


#8
Dichlorotetrafluoroethane
Concen: 0.62 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.00 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 85 Resp: 70533

Ion	Ratio	Lower	Upper
85	100		
135	68.2	59.0	88.4



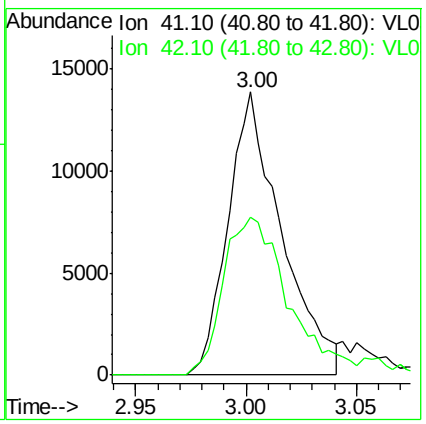


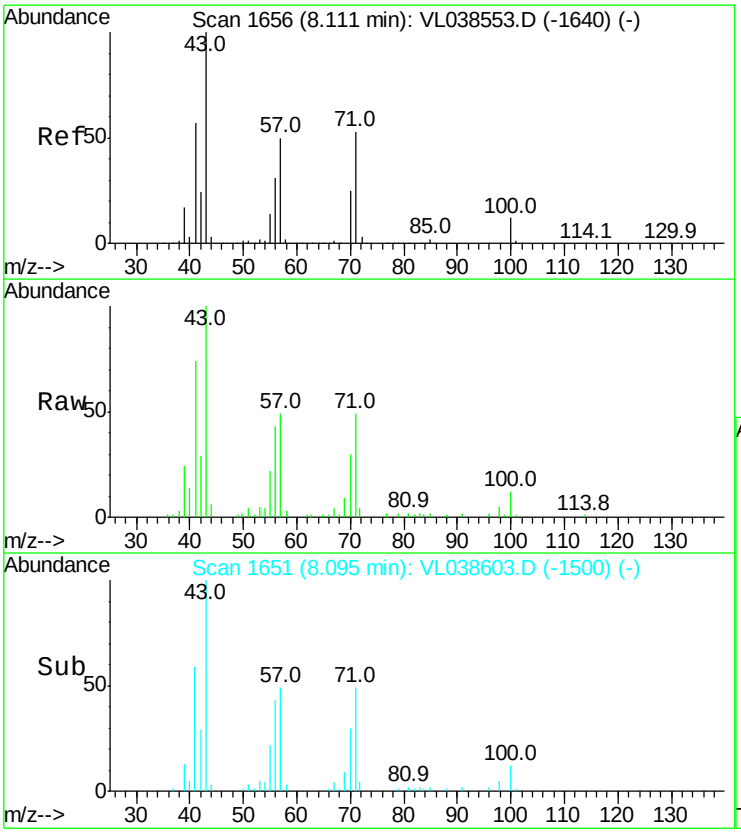
#9
Propene
Concen: 0.49 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 41 Resp: 23419

Ion	Ratio	Lower	Upper
41	100		
42	72.2	55.7	83.5

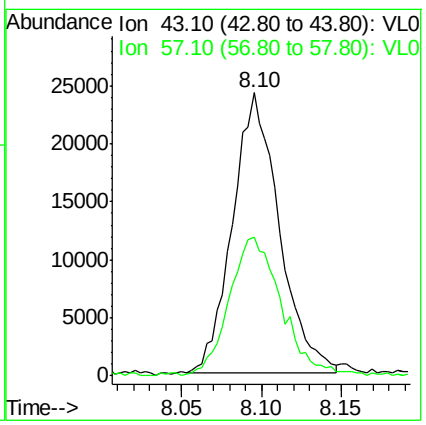


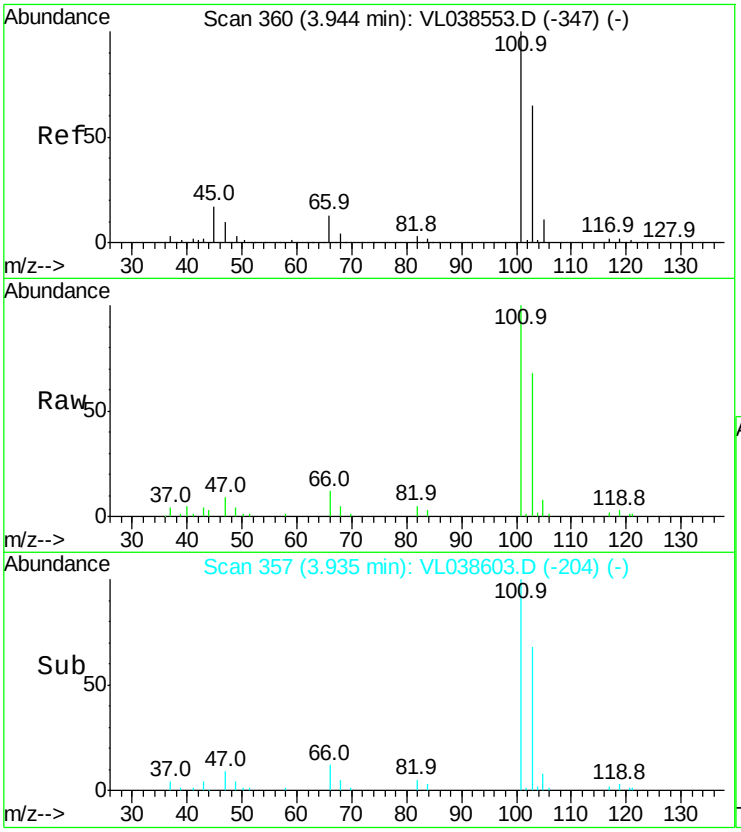


#10
Heptane
Concen: 0.42 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 43 Resp: 48116

Ion	Ratio	Lower	Upper
43	100		
57	56.5	39.6	59.4



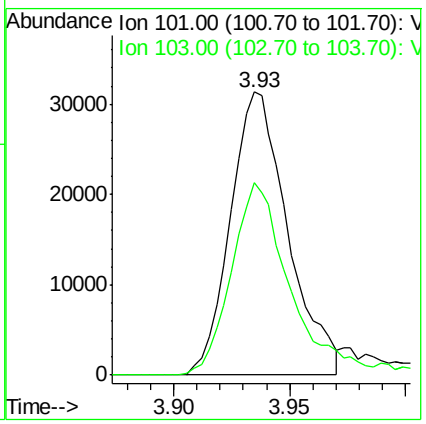


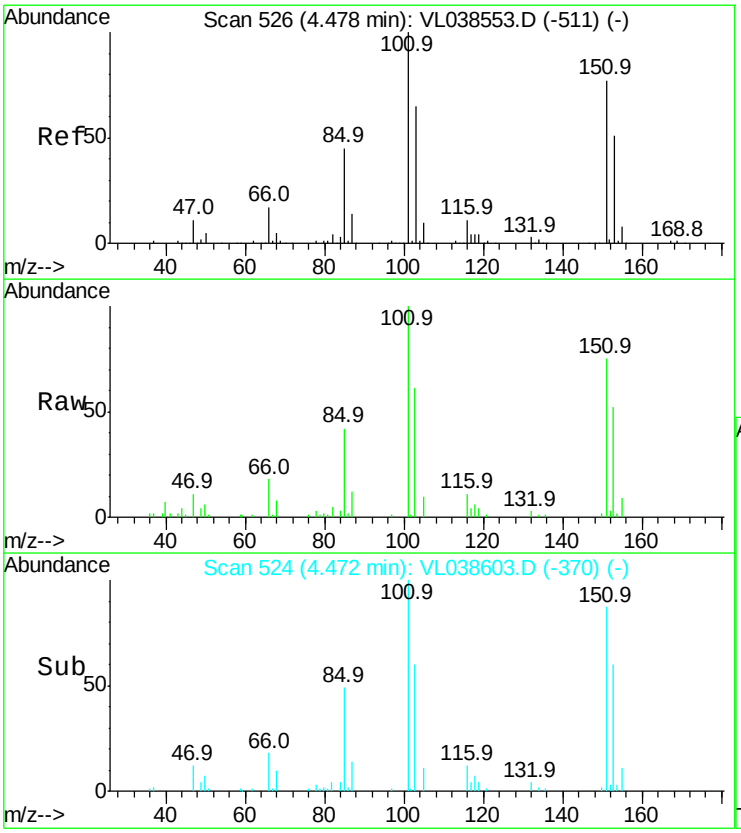
#11
Trichlorofluoromethane
Concen: 0.53 ppbv
RT: 3.93
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:101 Resp: 53838

Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.0	78.0

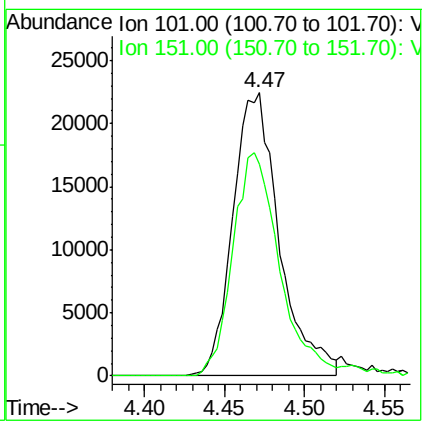


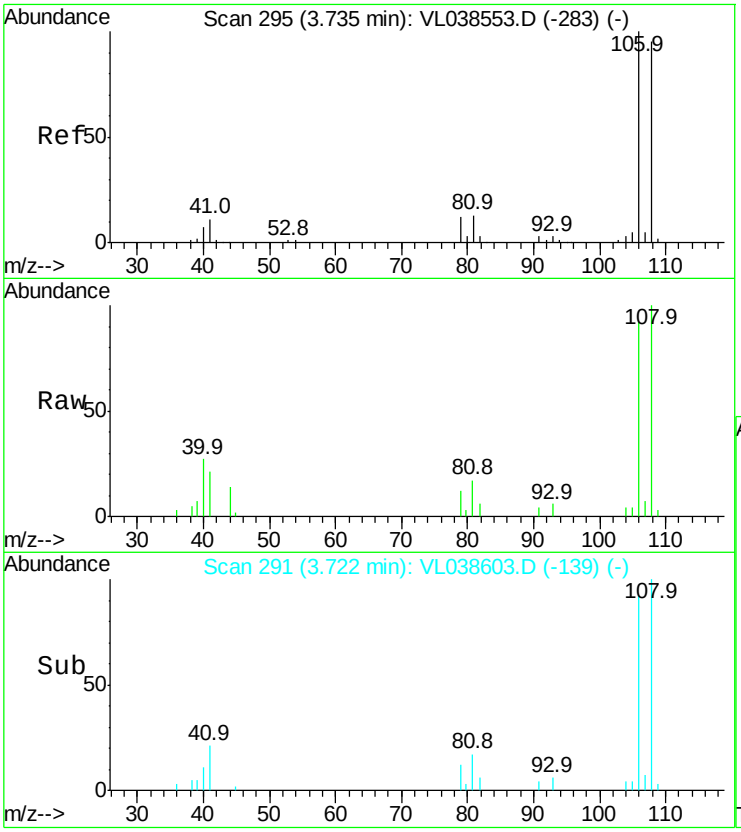


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.56 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:101 Resp: 44642

Ion	Ratio	Lower	Upper
101	100		
151	81.4	63.4	95.0



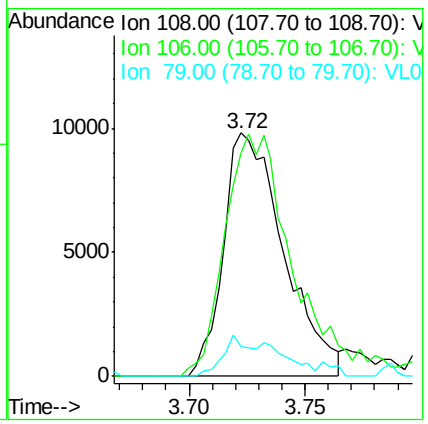


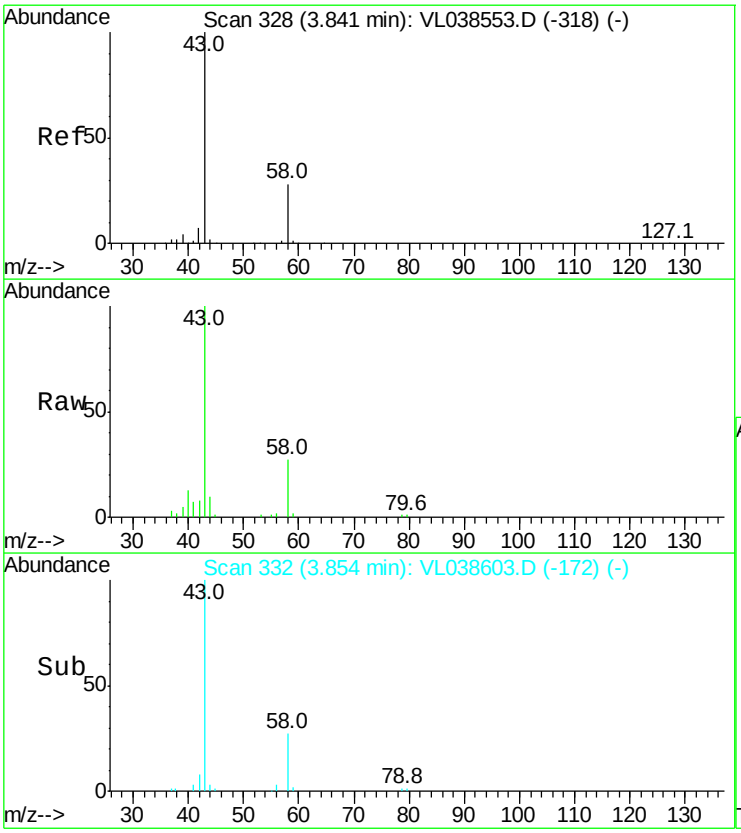
#14
Bromoethene
Concen: 0.52 ppbv
RT: 3.72
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:108 Resp: 17733

Ion	Ratio	Lower	Upper
108	100		
106	117.2	85.9	128.9
79	16.1	11.0	16.6

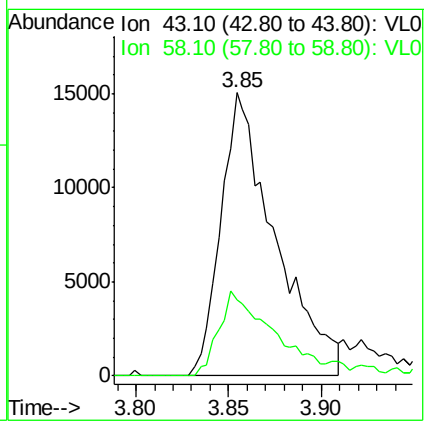


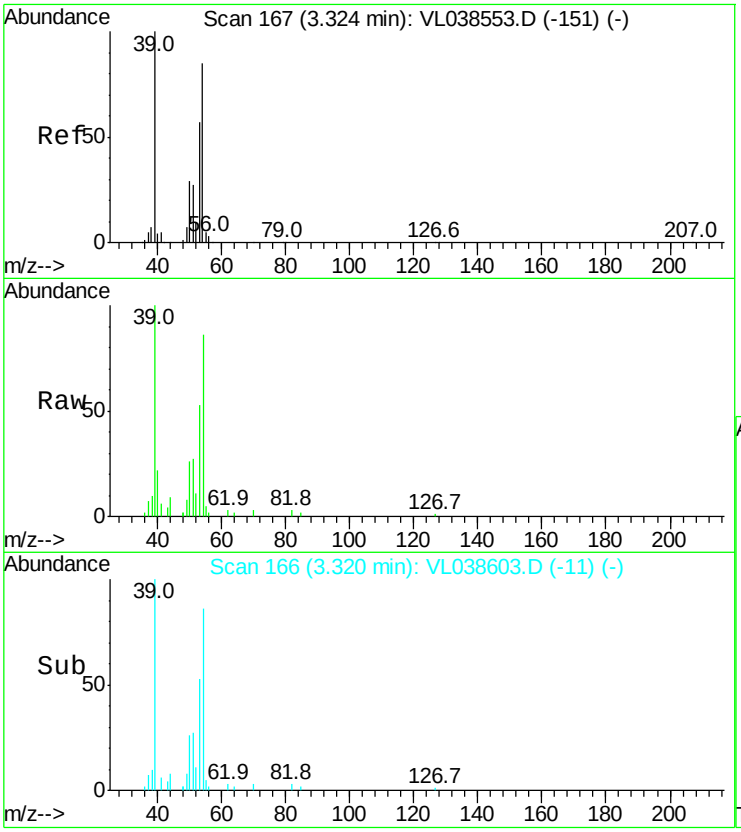


#15
Acetone
Concen: 0.56 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 43 Resp: 30559

Ion	Ratio	Lower	Upper
43	100		
58	32.7	22.7	34.1



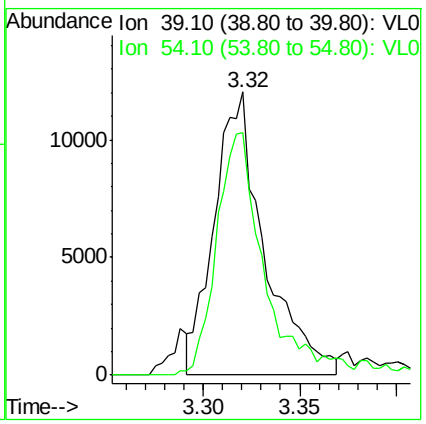


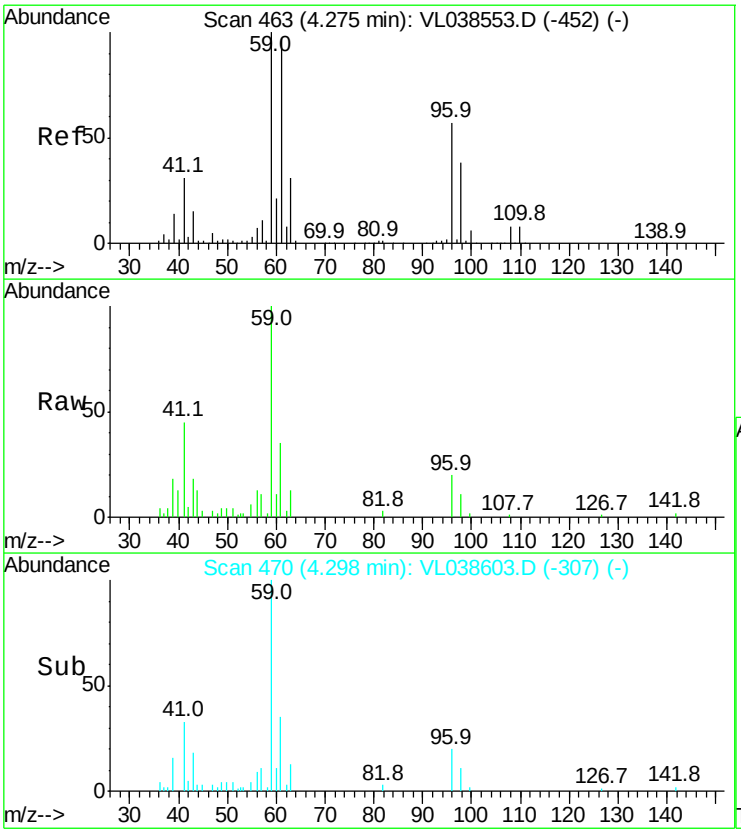
#16
1,3-Butadiene
Concen: 0.50 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 39 Resp: 21702

Ion	Ratio	Lower	Upper
39	100		
54	84.3	64.2	96.2

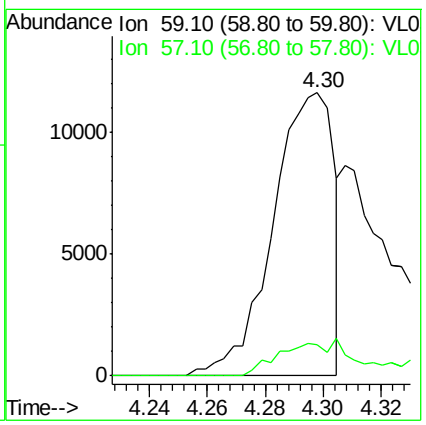


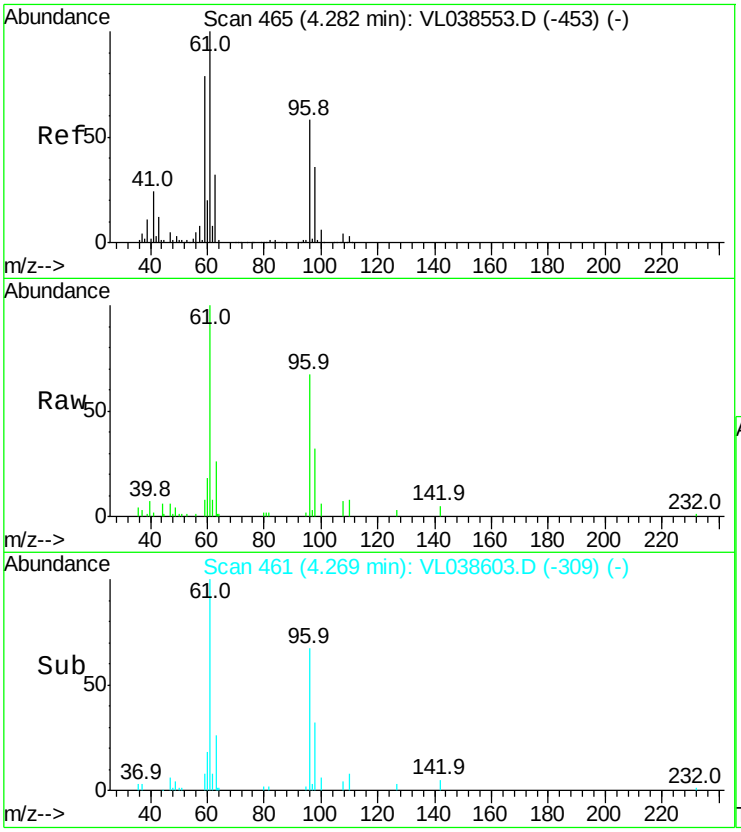


#17
tert-Butyl alcohol
Concen: 0.29 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 59 Resp: 16936

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



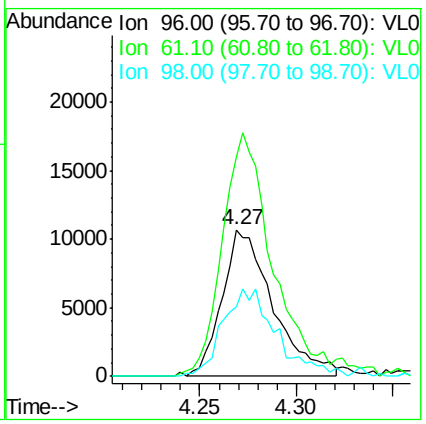


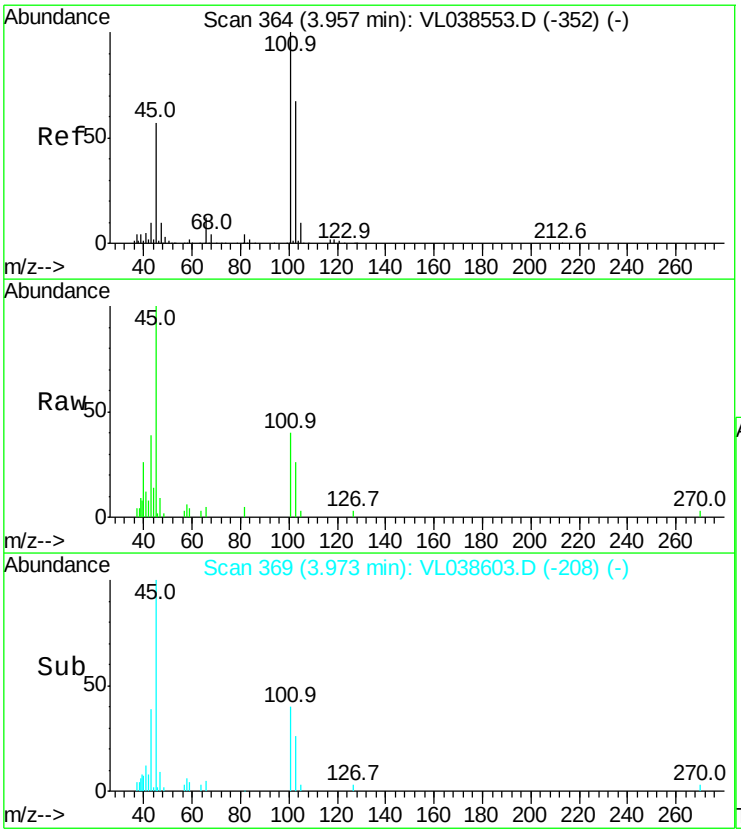
#18
1,1-Dichloroethene
Concen: 0.55 ppbv
RT: 4.27
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 96 Resp: 19445

Ion	Ratio	Lower	Upper
96	100		
61	145.8	137.4	206.0
98	45.7	49.3	73.9#

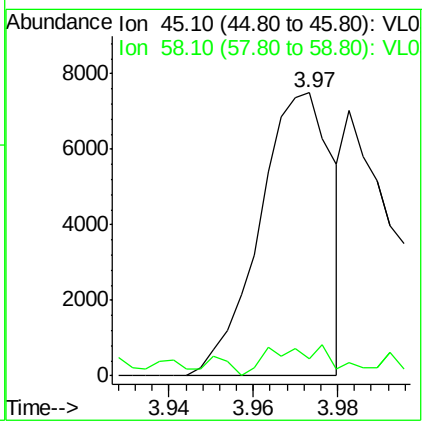


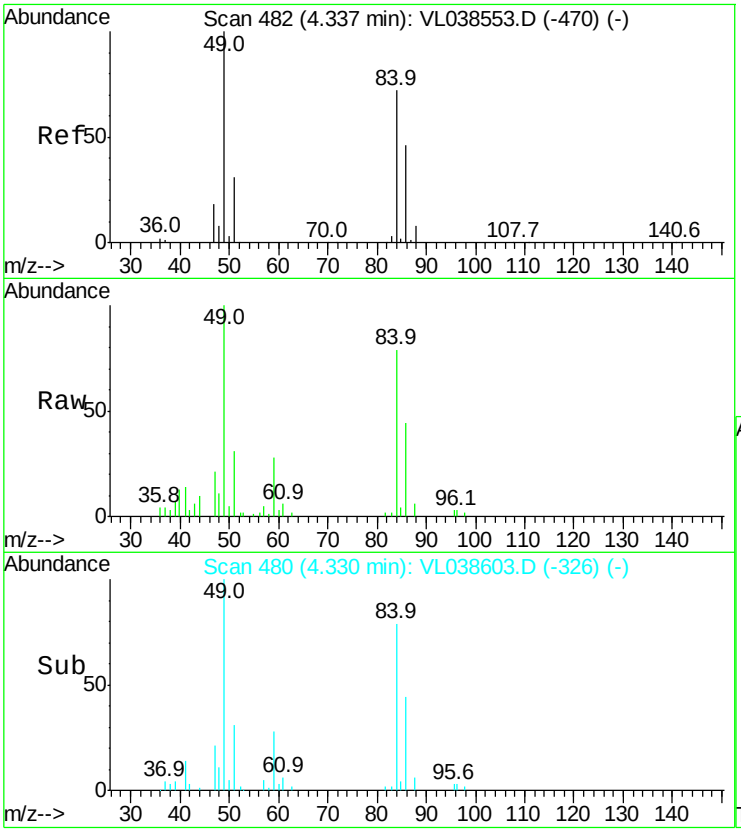


#19
Isopropyl Alcohol
Concen: 0.25 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 45 Resp: 8970

Ion	Ratio	Lower	Upper
45	100		
58	6.0	2.2	3.2#



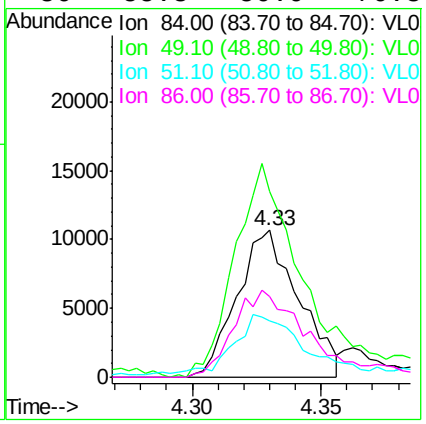


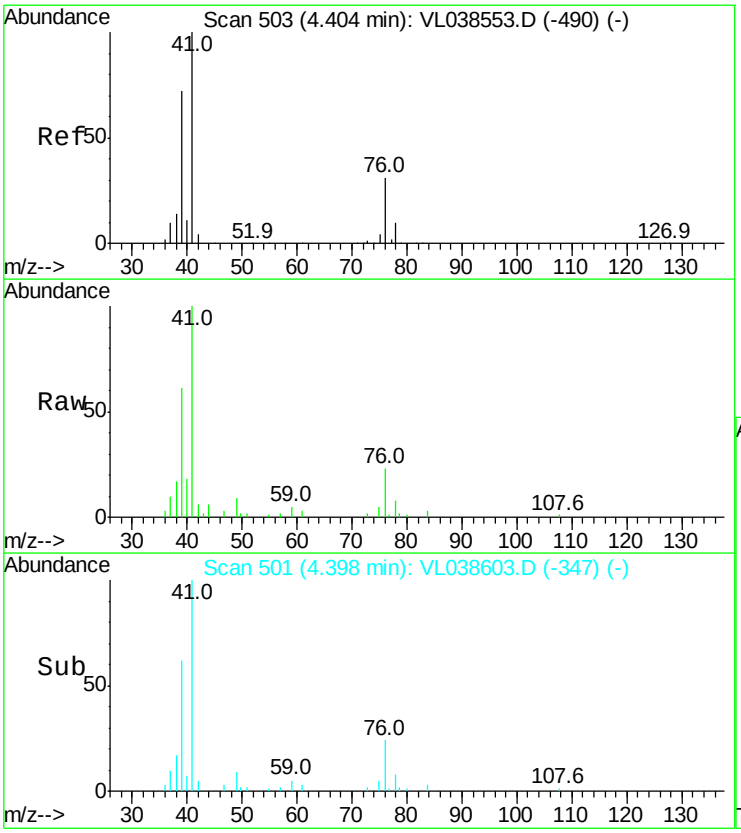
#20
Methylene Chloride
Concen: 0.54 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 84 Resp: 17848

Ion	Ratio	Lower	Upper
84	100		
49	126.2	111.1	166.7
51	34.5	34.0	51.0
86	55.3	50.9	76.3

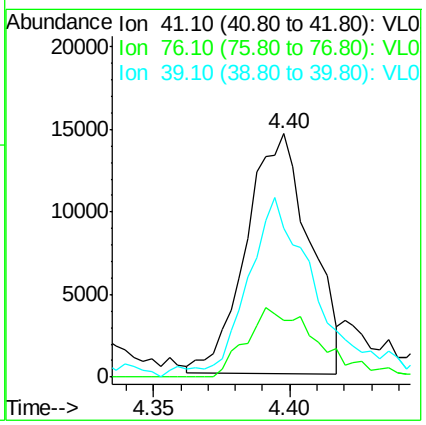


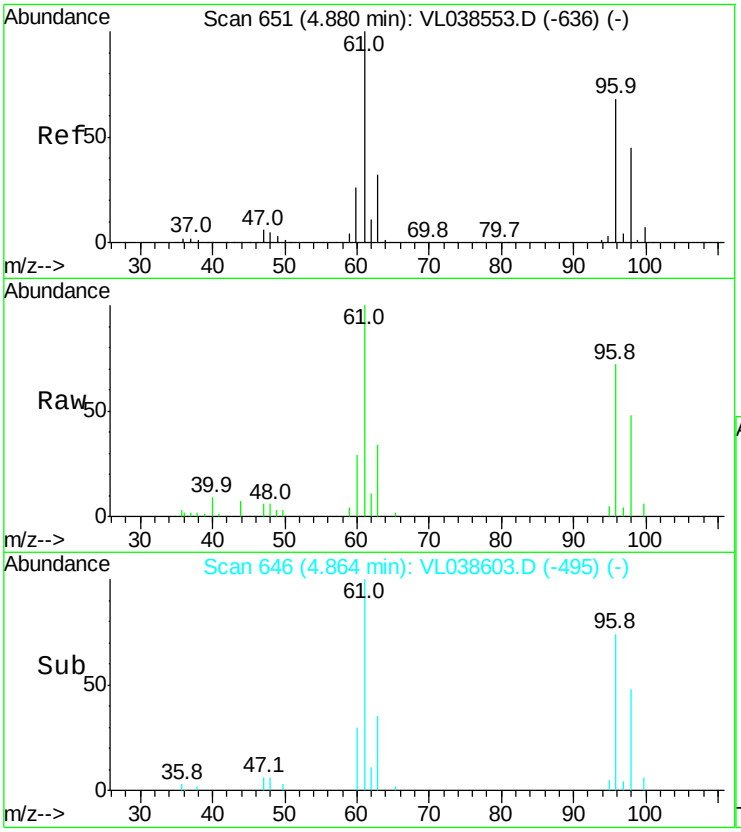


#21
Allyl Chloride
Concen: 0.45 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 41 Resp: 23513

Ion	Ratio	Lower	Upper
41	100		
76	34.5	24.3	36.5
39	85.5	57.1	85.7



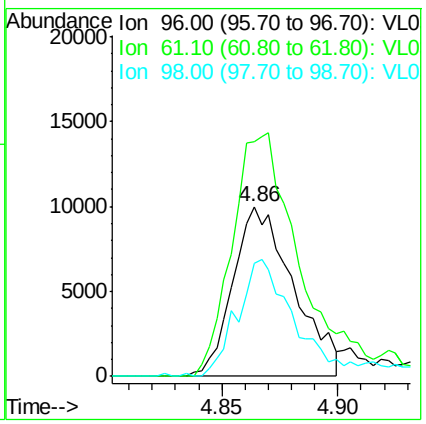


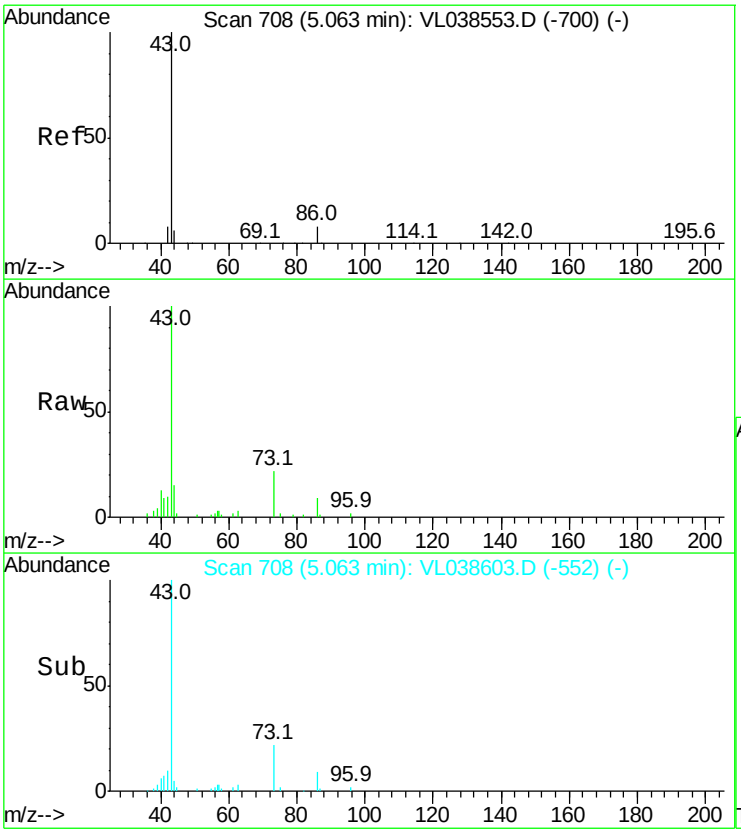
#22
trans-1,2-Dichloroethene
Concen: 0.48 ppbv
RT: 4.86
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 96 Resp: 18083

Ion	Ratio	Lower	Upper
96	100		
61	138.1	117.6	176.4
98	64.8	52.6	78.8

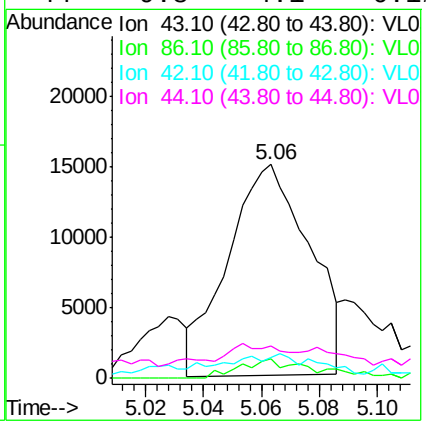


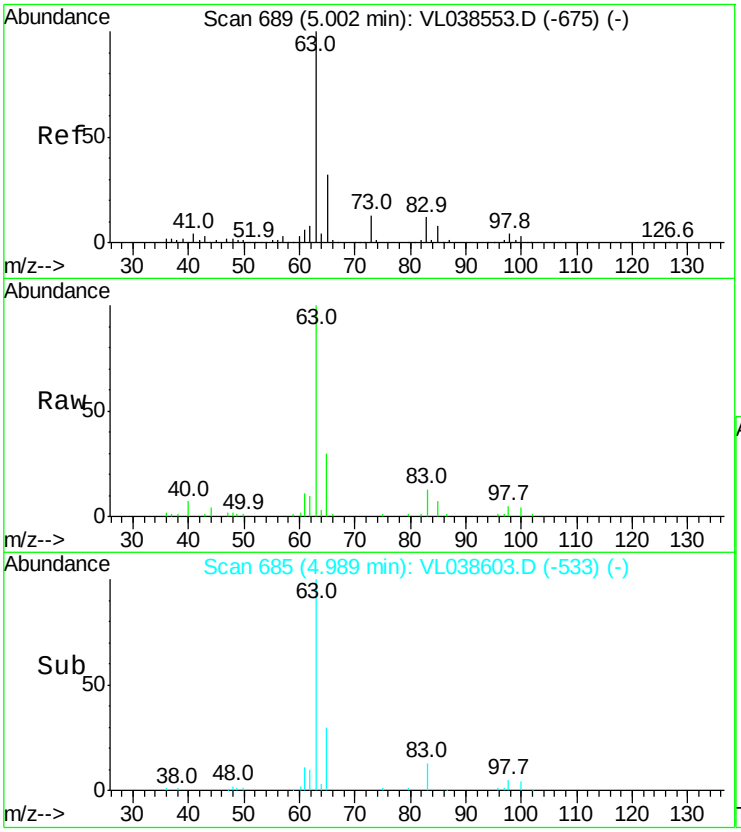


#23
Vinyl Acetate
Concen: 0.38 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 43 Resp: 29386

Ion	Ratio	Lower	Upper
43	100		
86	13.5	5.6	8.4#
42	6.7	7.1	10.7#
44	9.8	4.1	6.1#



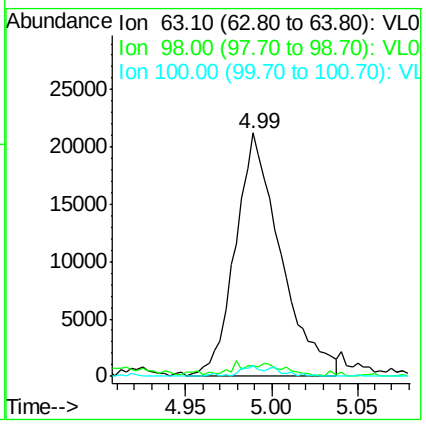


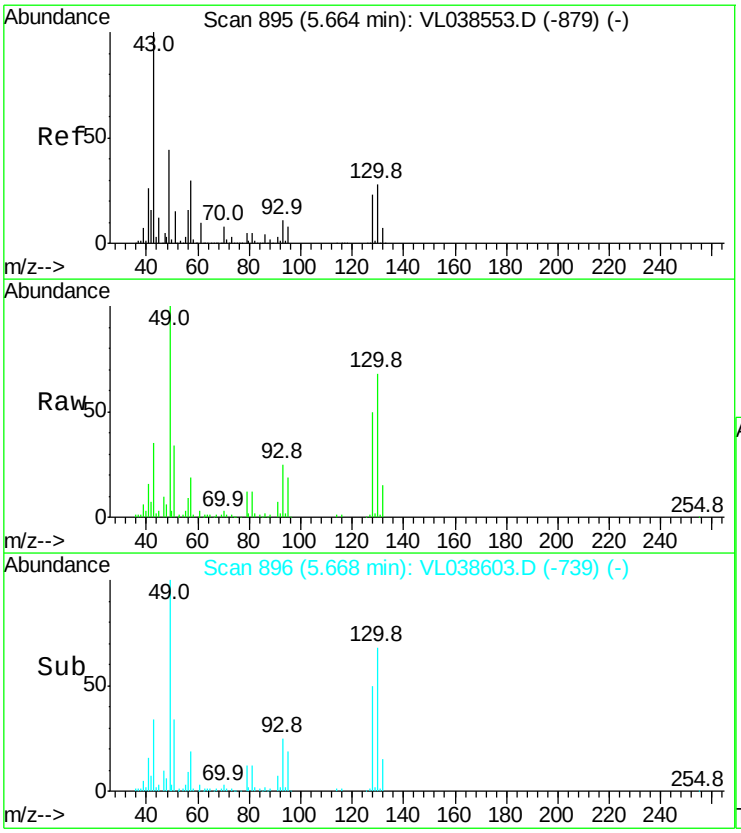
#24
1,1-Dichloroethane
Concen: 0.55 ppbv
RT: 4.99
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 63 Resp: 39019

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.2	6.6
100	4.4	1.5	4.5

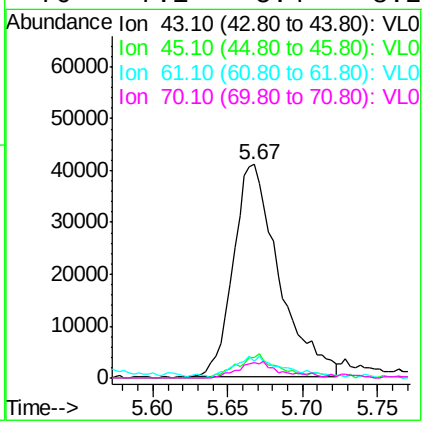


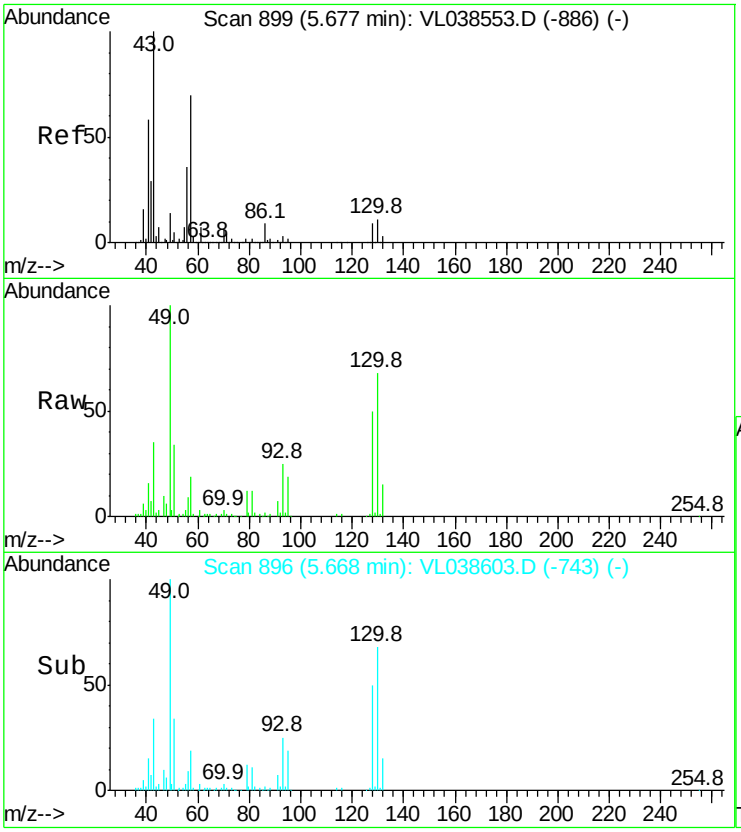


#25
Ethyl Acetate
Concen: 0.47 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 43 Resp: 86839

Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.0	12.0
61	12.0	8.2	12.4
70	7.1	5.4	8.2



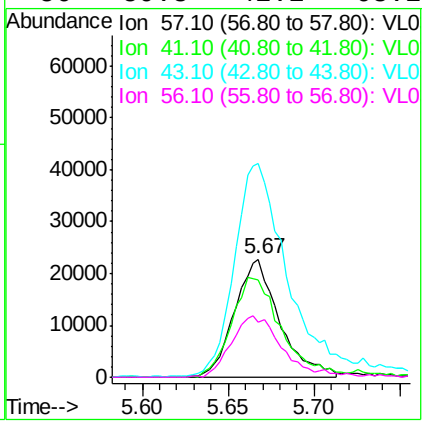


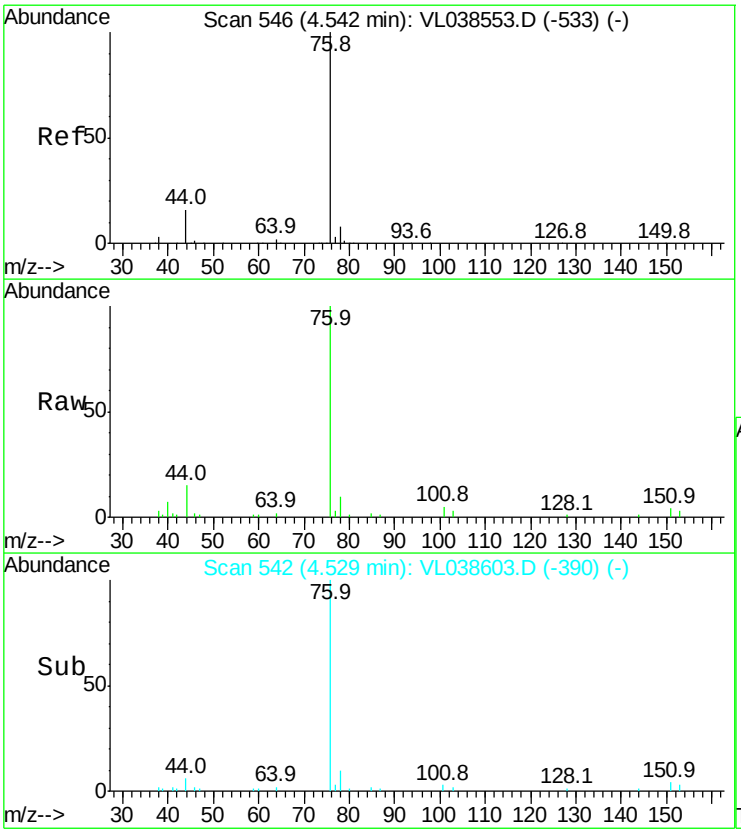
#26
Hexane
Concen: 0.48 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 57 Resp: 41340

Ion	Ratio	Lower	Upper
57	100		
41	98.0	67.8	101.6
43	230.6	173.6	260.4
56	59.8	42.2	63.2

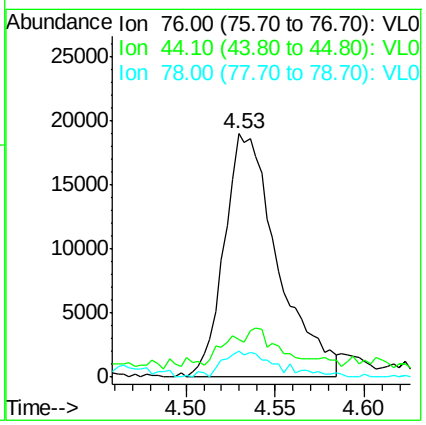


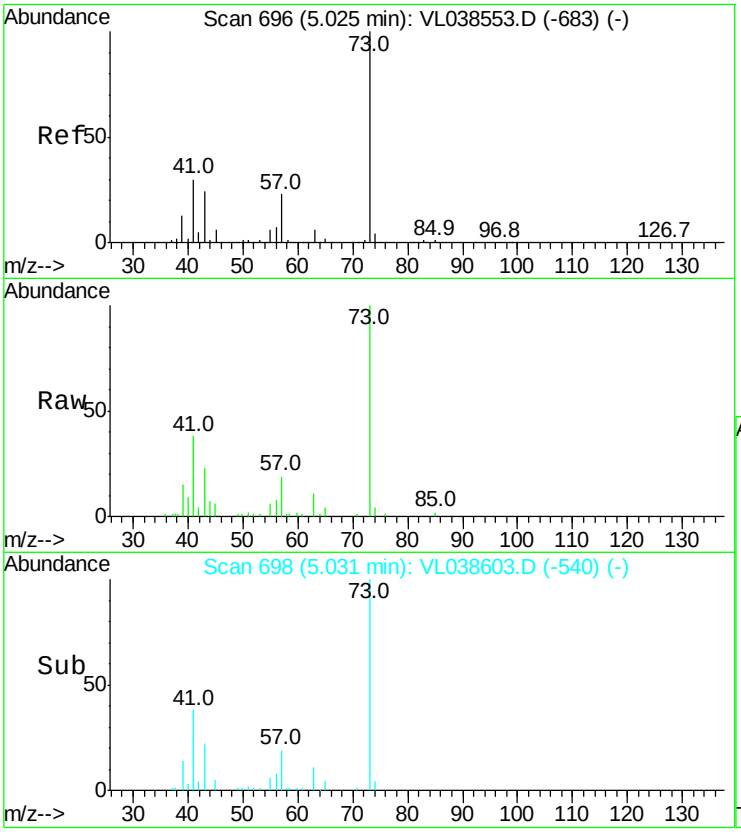


#27
Carbon Disulfide
Concen: 0.46 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 76 Resp: 39609

Ion	Ratio	Lower	Upper
76	100		
44	22.1	12.9	19.3#
78	11.2	7.8	11.6



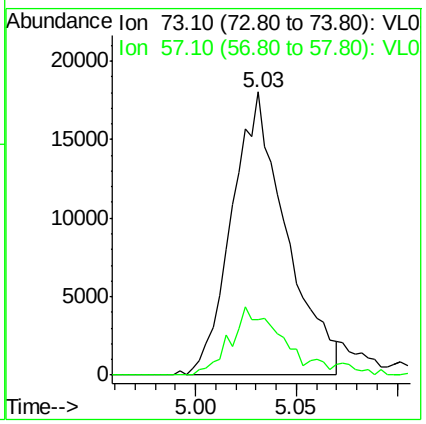


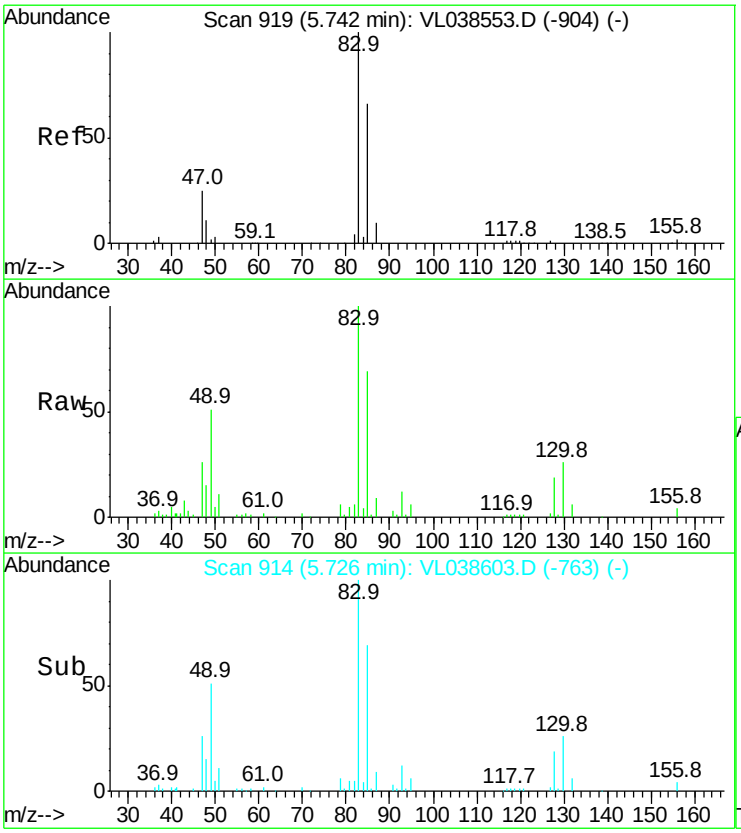
#28
Methyl tert-Butyl Ether
Concen: 0.48 ppbv
RT: 5.03
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 73 Resp: 34030

Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.8	28.2

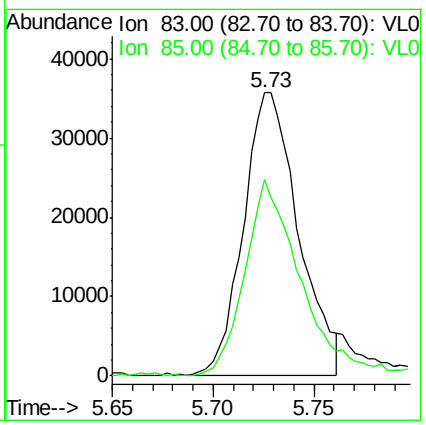


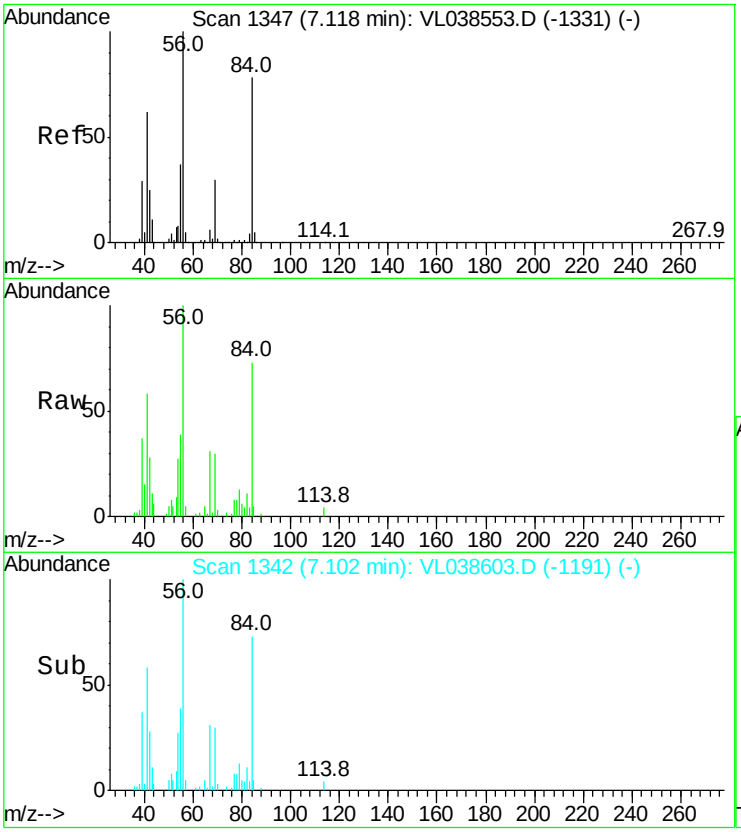


#29
Chloroform
Concen: 0.51 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 83 Resp: 68158

Ion	Ratio	Lower	Upper
83	100		
85	69.4	52.8	79.2



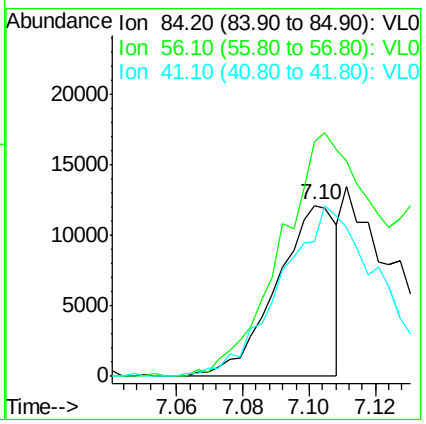


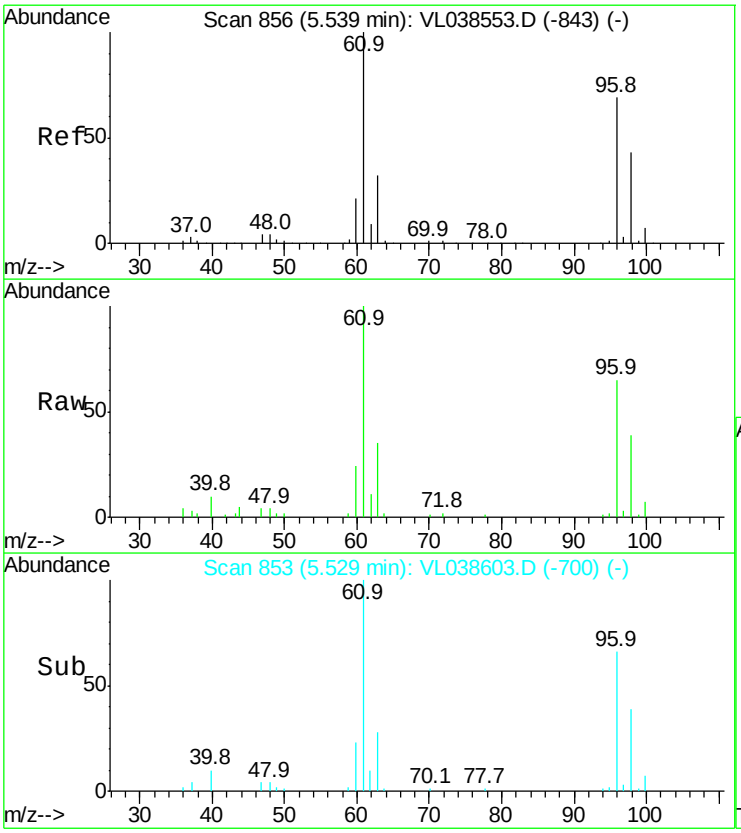
#30
Cyclohexane
Concen: 0.21 ppbv
RT: 7.10
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 84 Resp: 15319

Ion	Ratio	Lower	Upper
84	100		
56	215.3	111.4	167.0#
41	176.3	65.5	98.3#

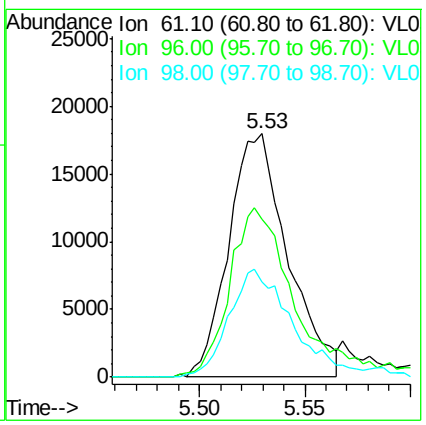


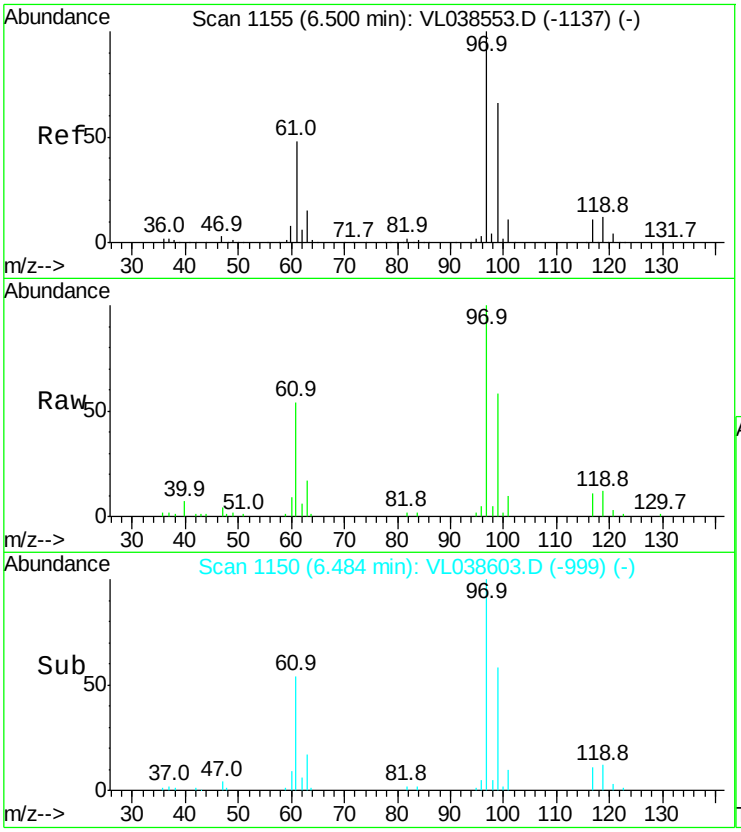


#31
cis-1,2-Dichloroethene
Concen: 0.42 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 61 Resp: 34896

Ion	Ratio	Lower	Upper
61	100		
96	62.7	55.2	82.8
98	38.1	34.2	51.4



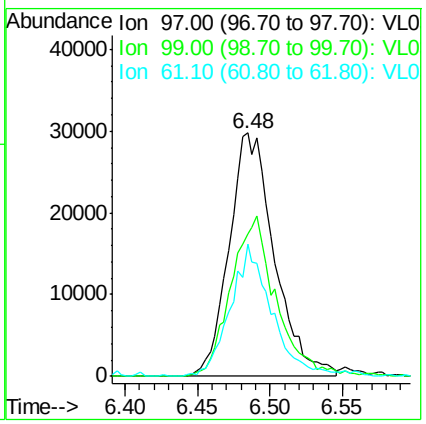


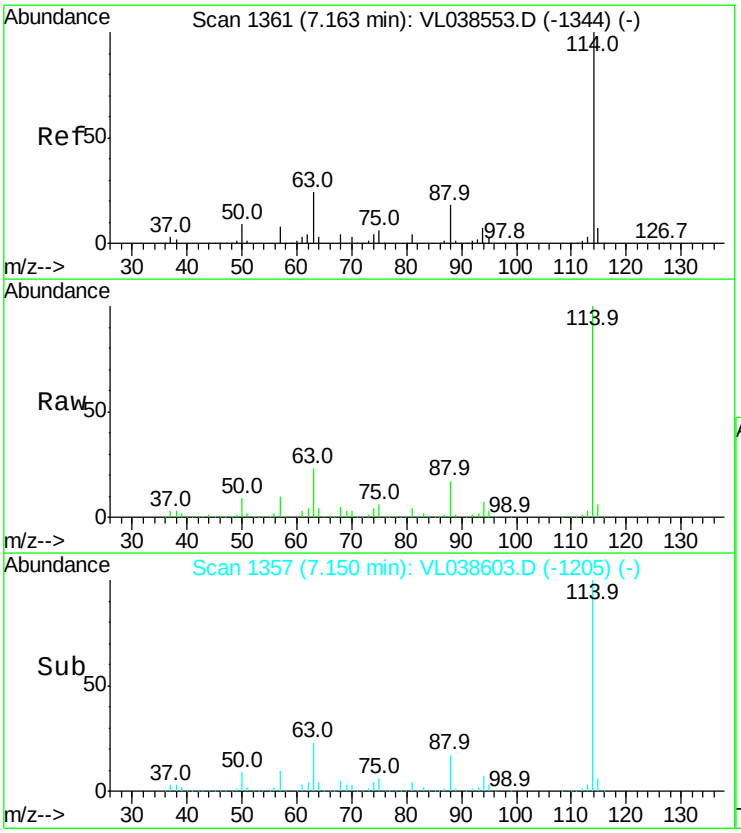
#32
1,1,1-Trichloroethane
Concen: 0.50 ppbv
RT: 6.48
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 97 Resp: 64741

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.1	78.1
61	49.9	37.7	56.5

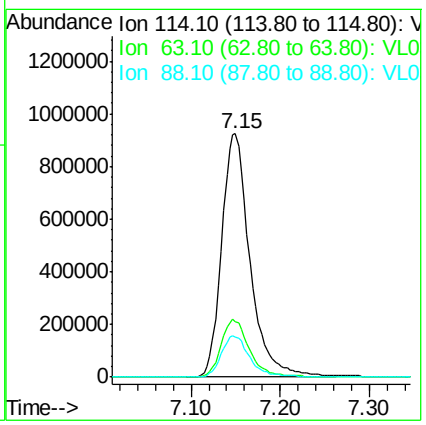


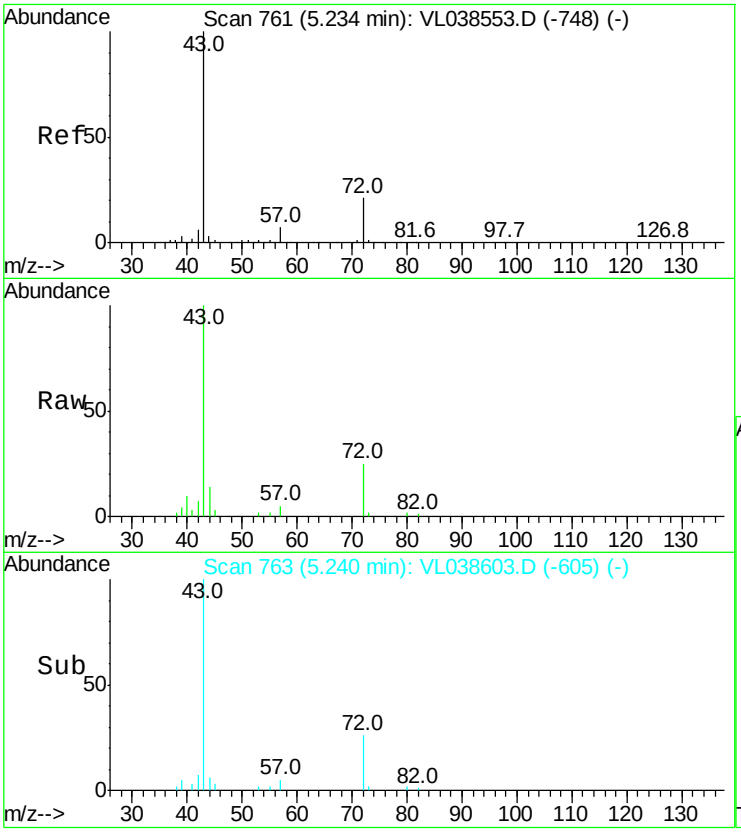


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:114 Resp: 2035750

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.3	13.9	20.9



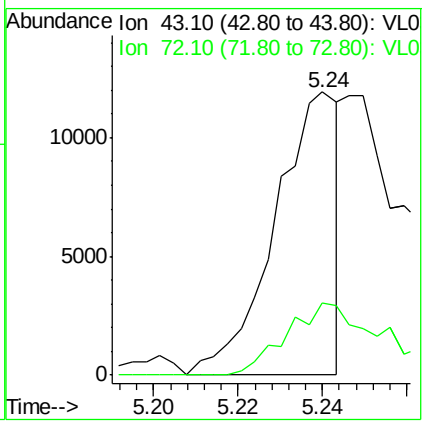


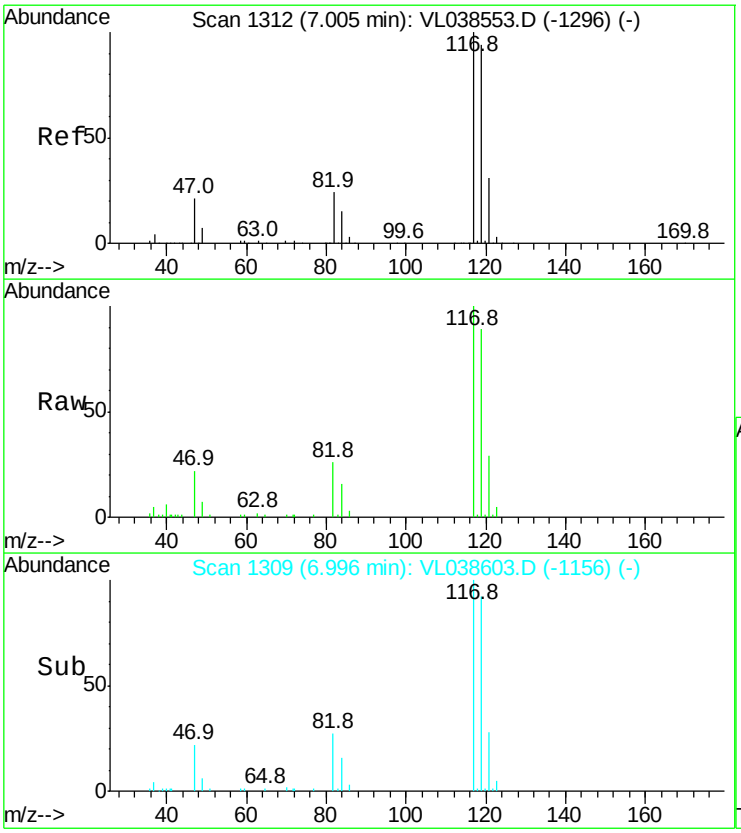
#34
2-Butanone
Concen: 0.24 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 43 Resp: 12519

Ion	Ratio	Lower	Upper
43	100		
72	50.2	17.8	26.6#

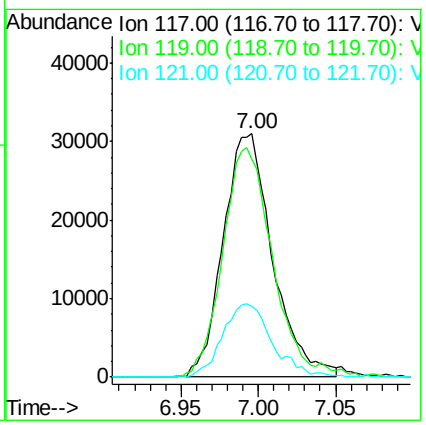


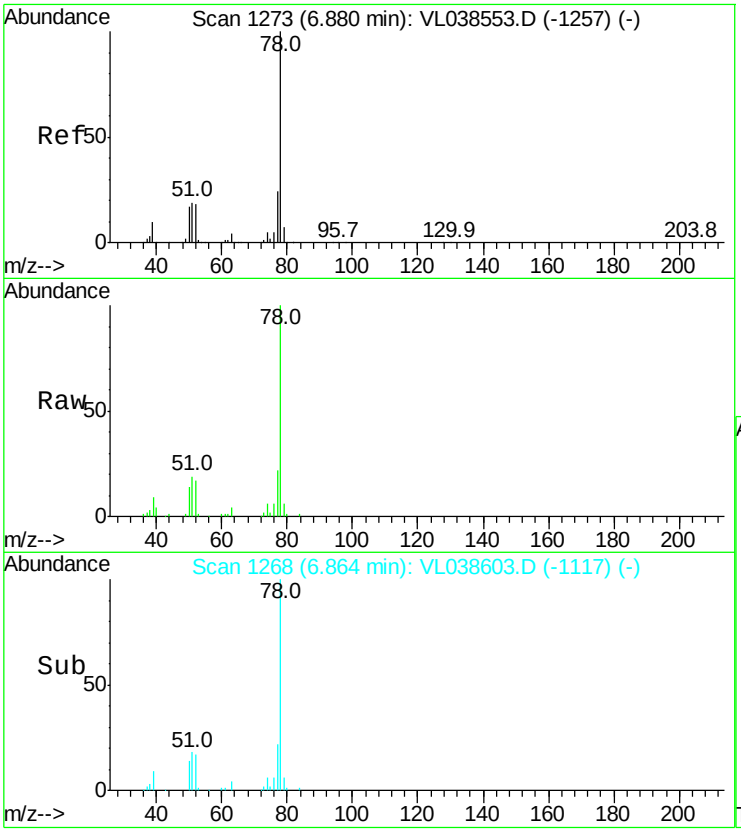


#35
Carbon Tetrachloride
Concen: 0.50 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:117 Resp: 68843

Ion	Ratio	Lower	Upper
117	100		
119	87.7	75.2	112.8
121	30.0	24.8	37.2



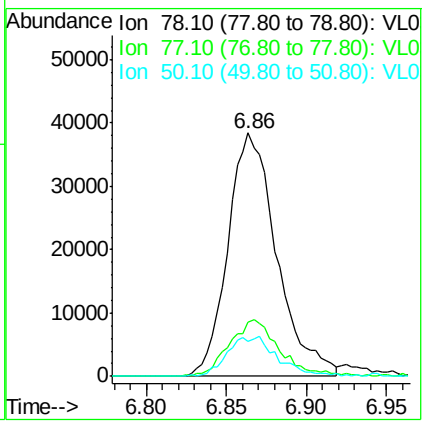


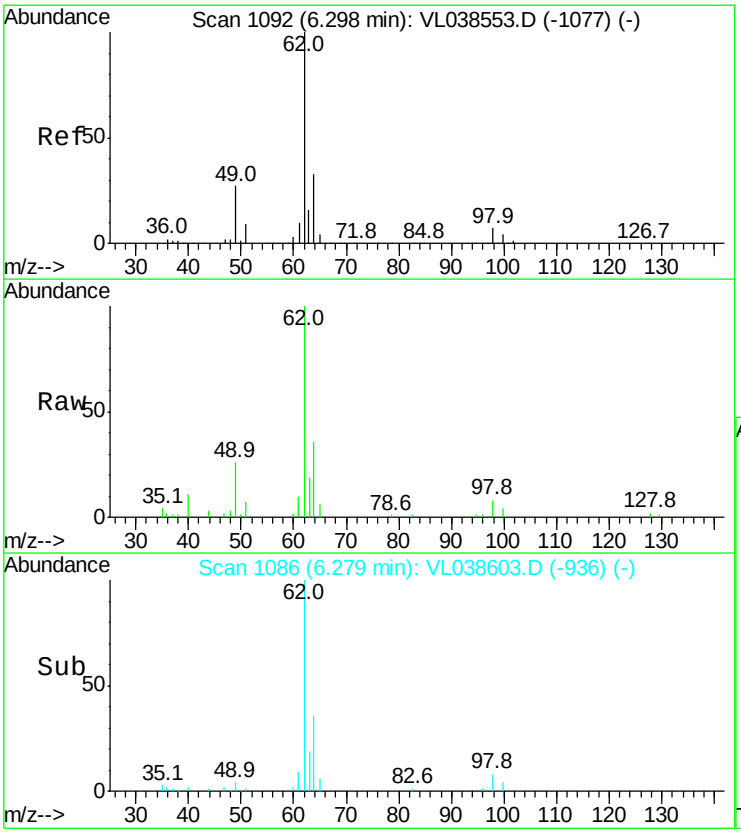
#36
Benzene
Concen: 0.44 ppbv
RT: 6.86
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 78 Resp: 80166

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.0	28.4
50	14.1	13.9	20.9

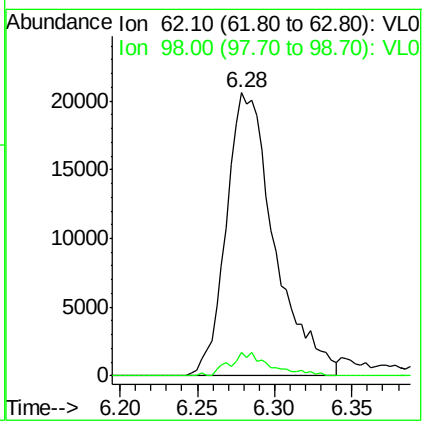


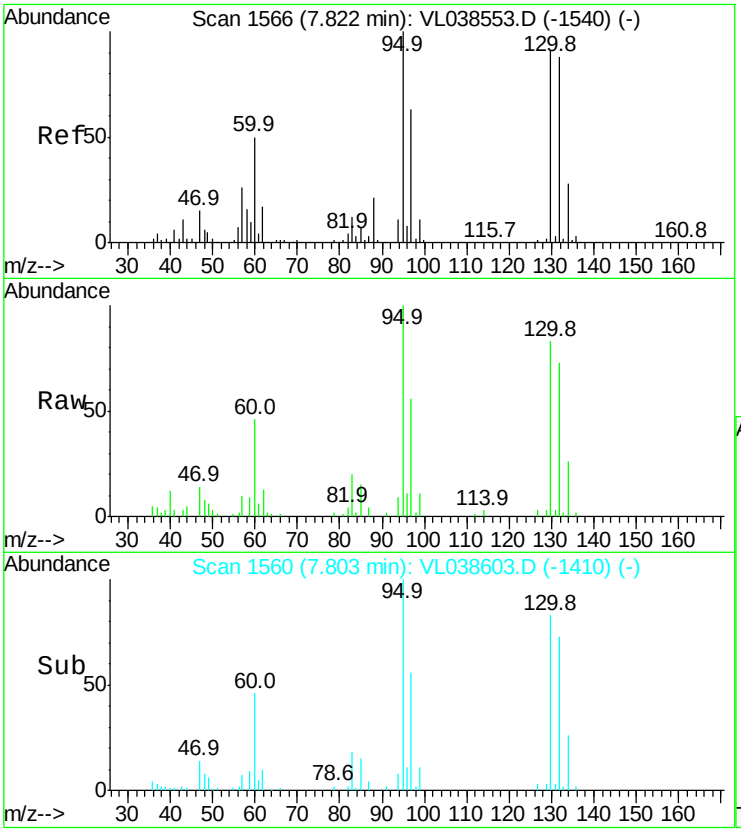


#37
1,2-Dichloroethane
Concen: 0.51 ppbv
RT: 6.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 62 Resp: 44608

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.7	8.5



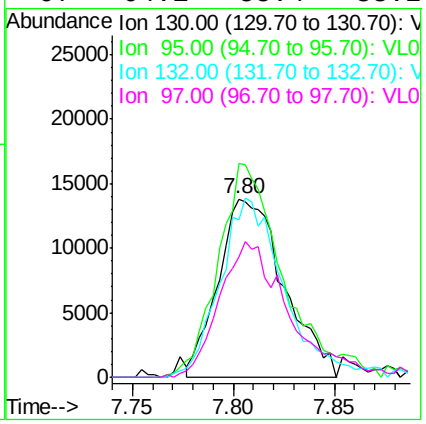


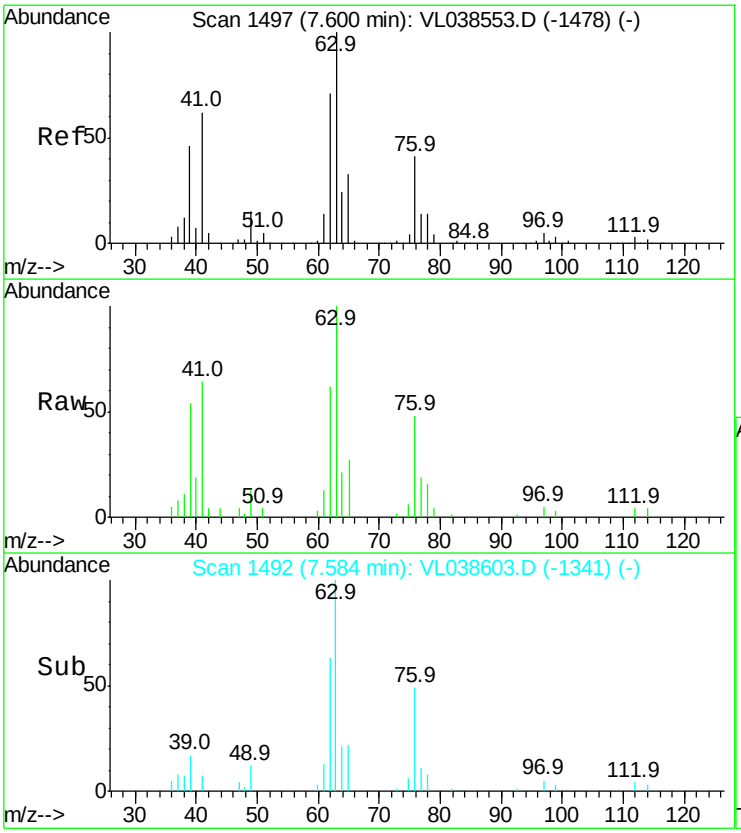
#38
Trichloroethene
Concen: 0.43 ppbv
RT: 7.80
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:130 Resp: 31268

Ion	Ratio	Lower	Upper
130	100		
95	110.6	87.8	131.8
132	82.8	77.5	116.3
97	64.1	55.4	83.2

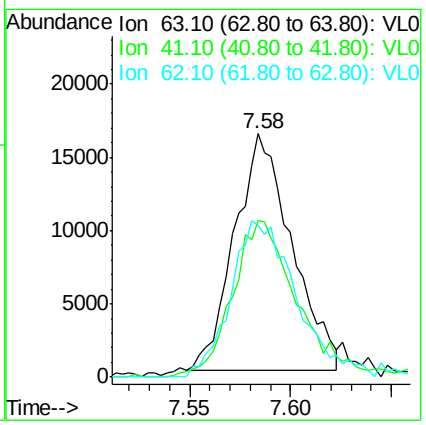


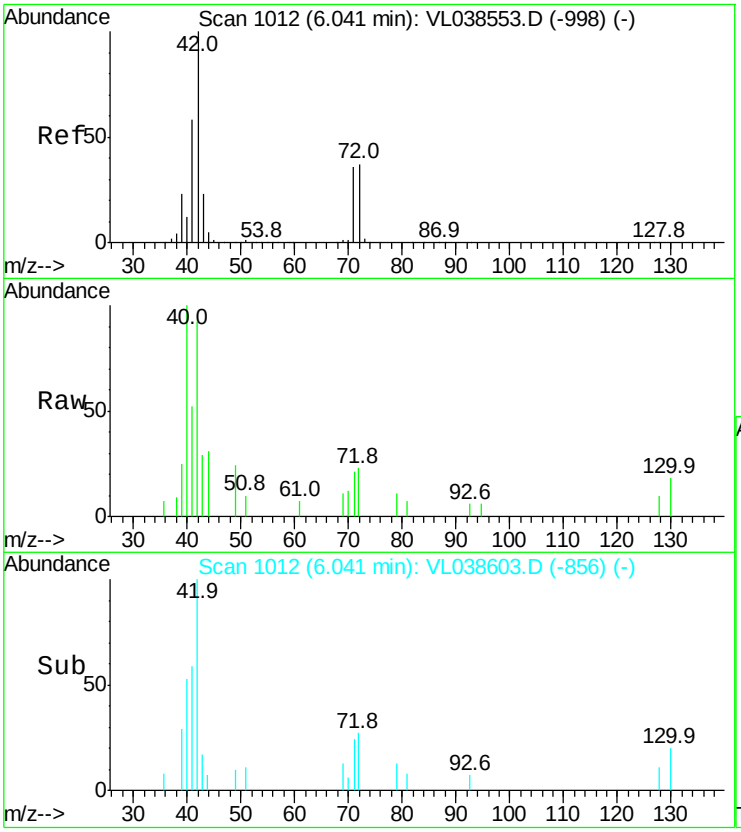


#39
1,2-Dichloropropane
Concen: 0.46 ppbv
RT: 7.58 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 63 Resp: 32246

Ion	Ratio	Lower	Upper
63	100		
41	63.7	49.8	74.6
62	63.7	56.7	85.1



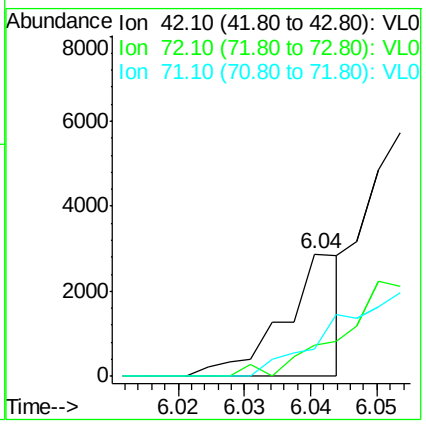


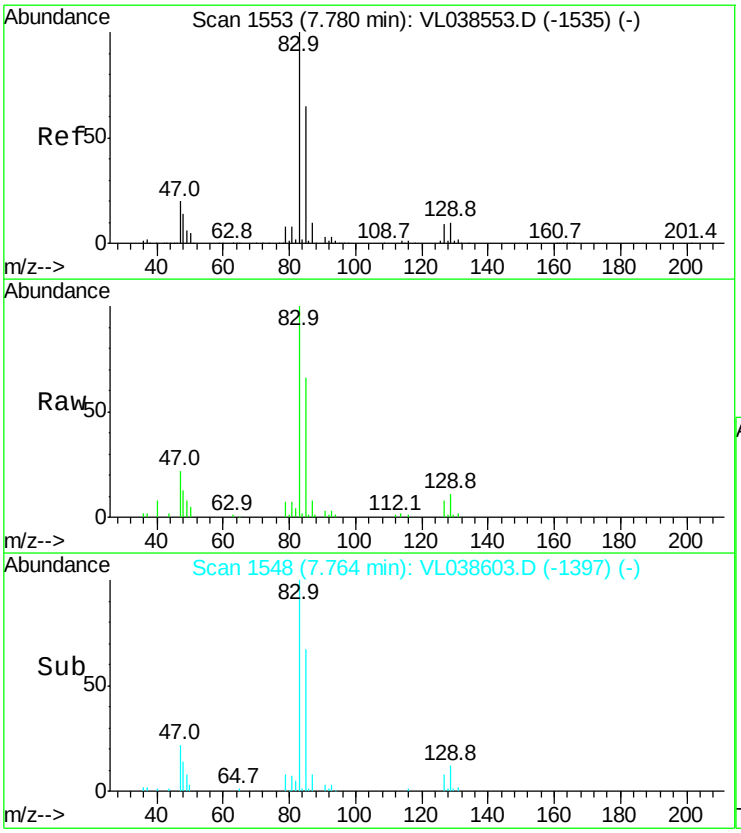
#41
Tetrahydrofuran
Concen: 0.04 ppbv
RT: 6.04
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 42 Resp: 1779

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	29.1	43.7#

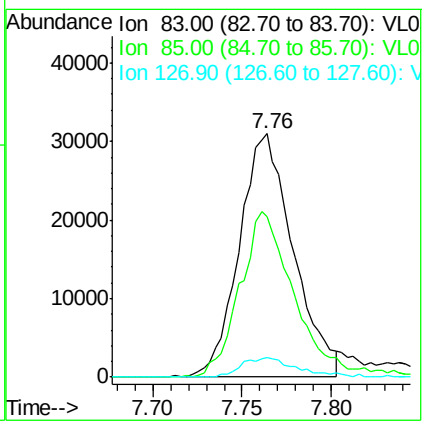


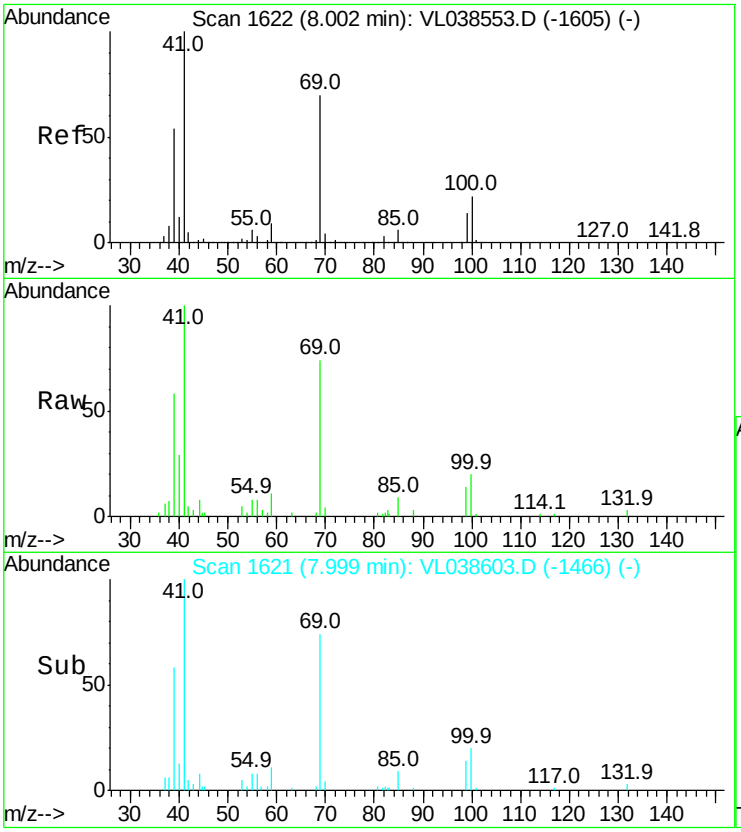


#42
Bromodichloromethane
Concen: 0.47 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 83 Resp: 65501

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.7	77.5
127	8.0	6.9	10.3



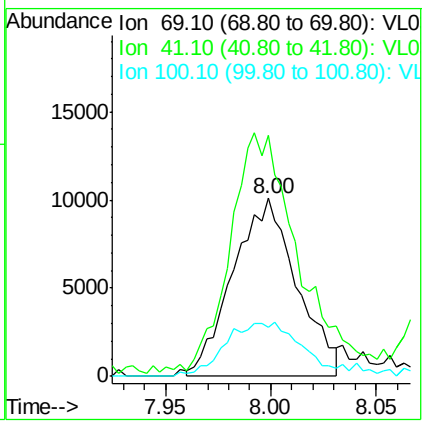


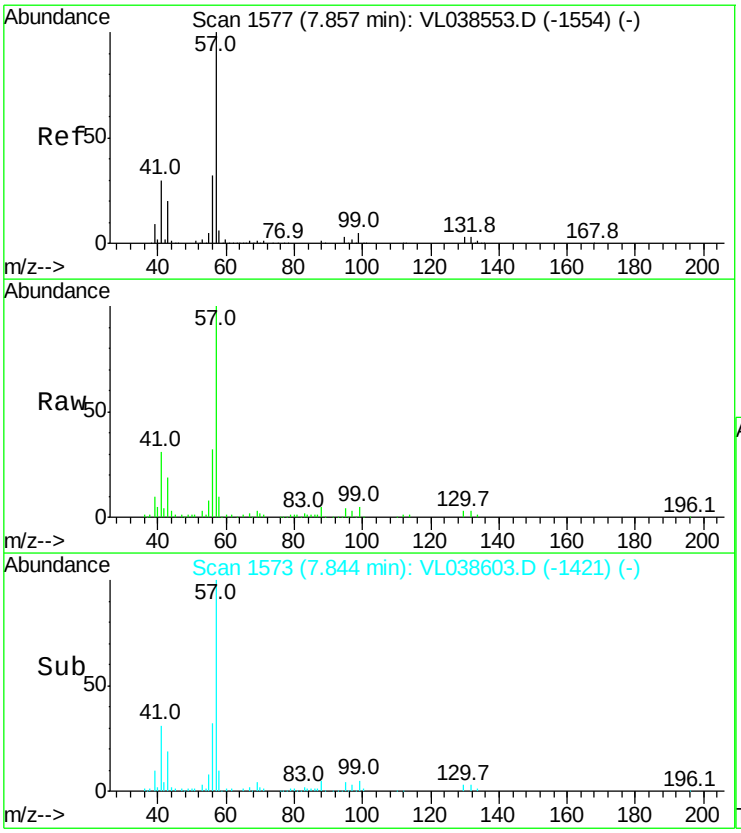
#43
Methyl Methacrylate
Concen: 0.34 ppbv
RT: 8.00
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 69 Resp: 21313

Ion	Ratio	Lower	Upper
69	100		
41	150.0	113.8	170.6
100	37.5	24.4	36.6#

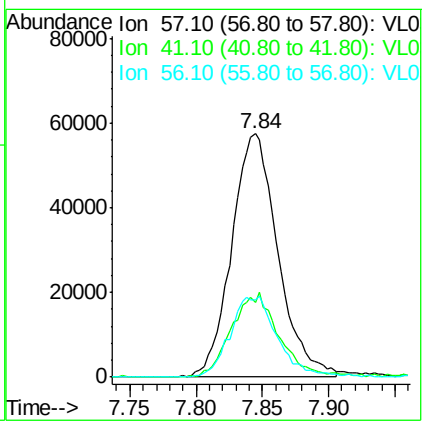


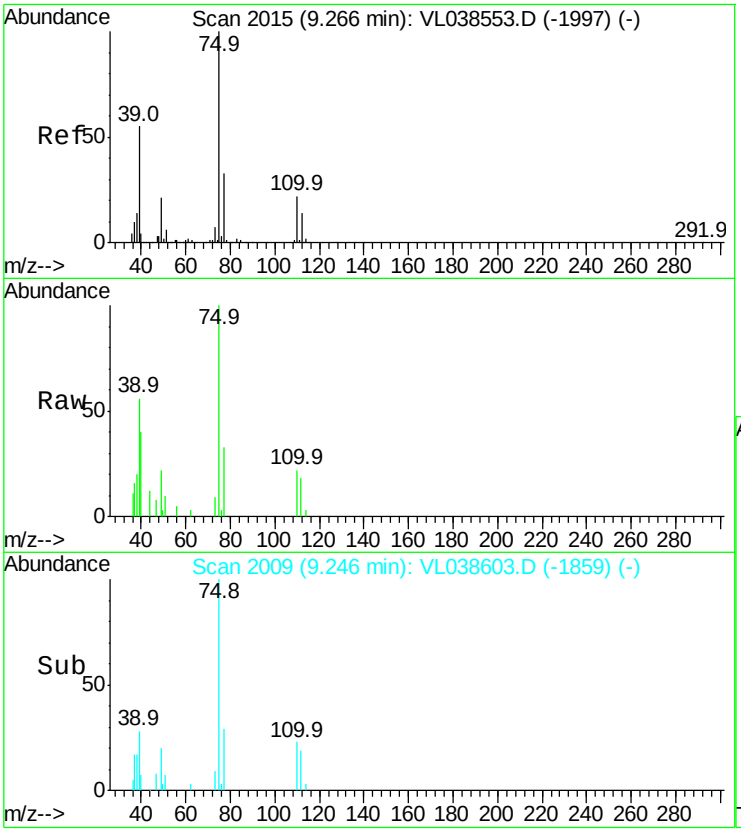


#44
2,2,4-Trimethylpentane
Concen: 0.44 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 57 Resp: 137756

Ion	Ratio	Lower	Upper
57	100		
41	36.4	24.0	36.0#
56	34.6	25.6	38.4



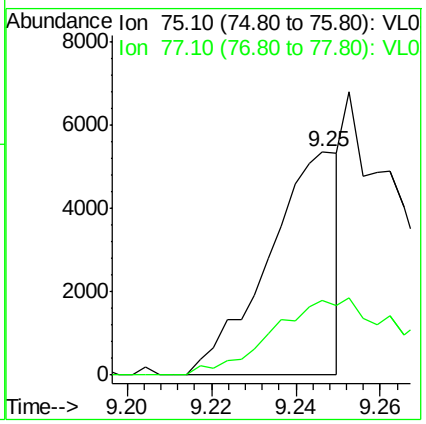


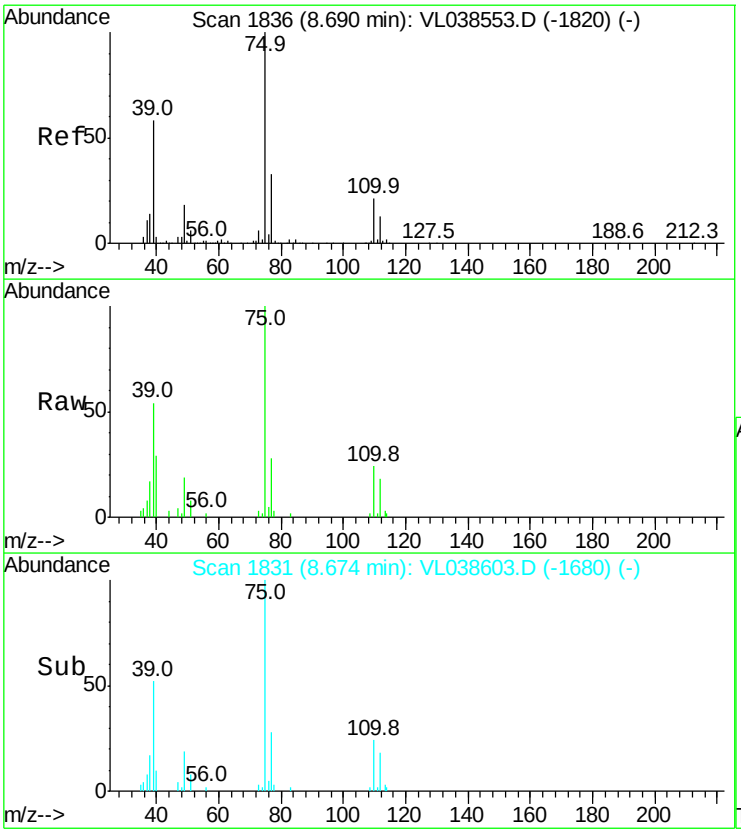
#45
t-1,3-Dichloropropene
Concen: 0.14 ppbv
RT: 9.25
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 75 Resp: 6237

Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.6	40.0

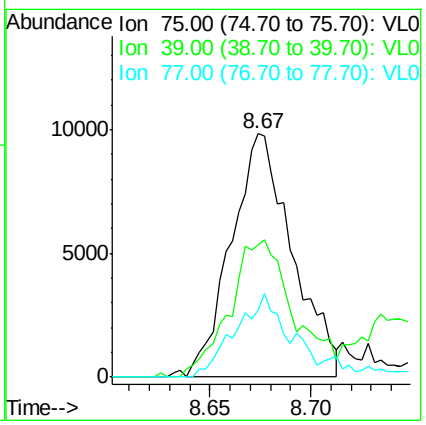


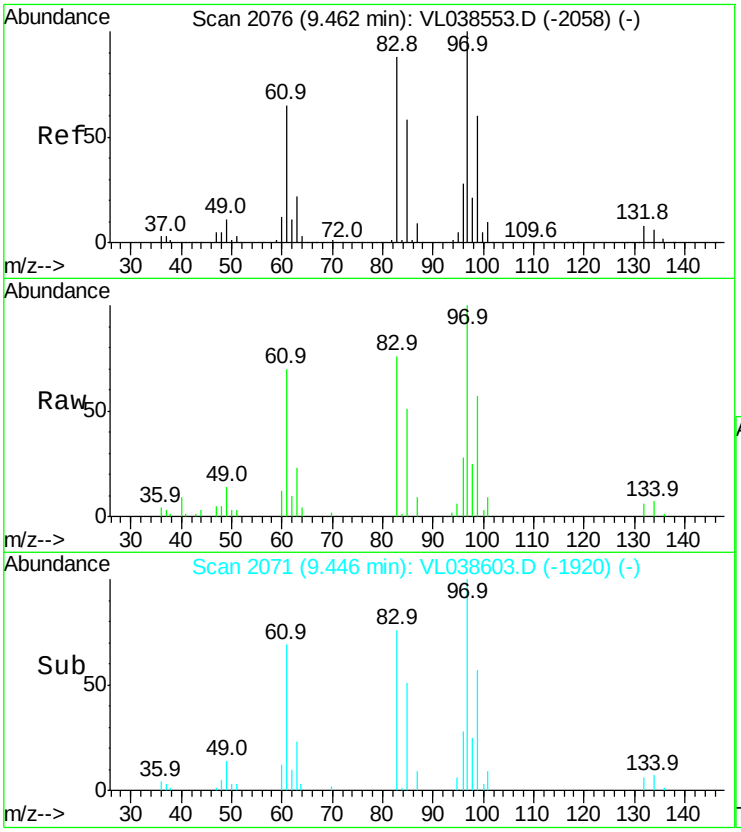


#46
cis-1,3-Dichloropropene
Concen: 0.34 ppbv
RT: 8.67 min Scan# 1831
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 75 Resp: 20848

Ion	Ratio	Lower	Upper
75	100		
39	50.9	46.2	69.2
77	27.7	26.2	39.2



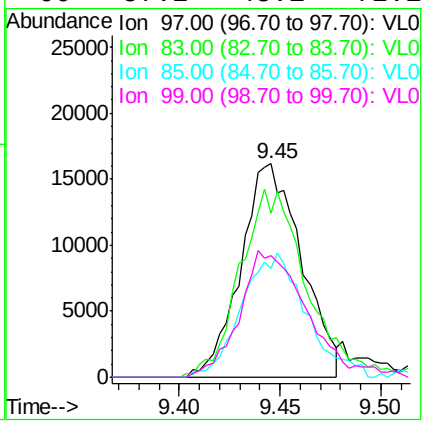


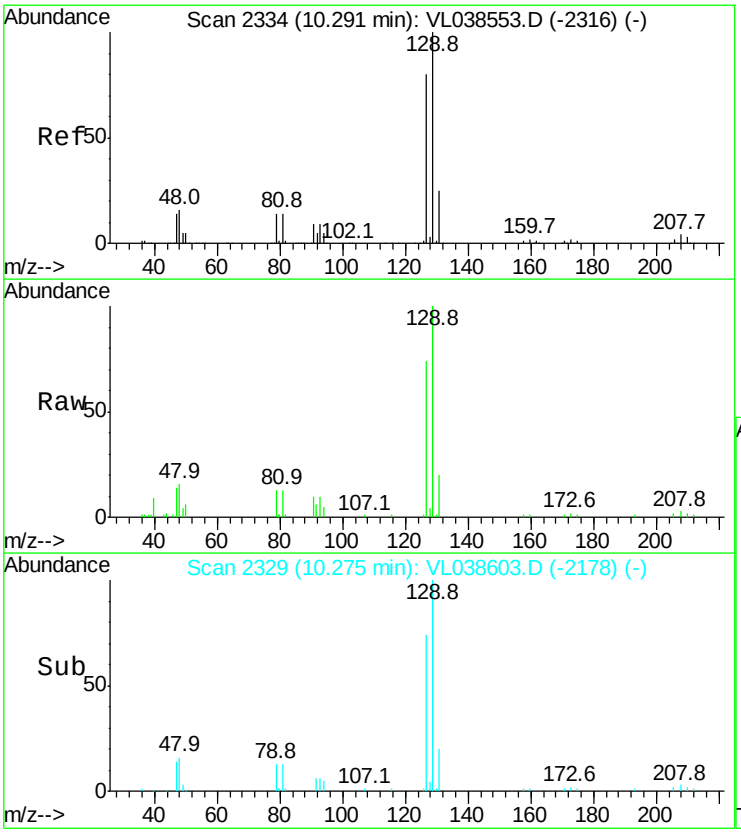
#47
1,1,2-Trichloroethane
Concen: 0.47 ppbv
RT: 9.45
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 97 Resp: 34040

Ion	Ratio	Lower	Upper
97	100		
83	74.6	70.1	105.1
85	50.9	46.6	69.8
99	57.2	48.1	72.1

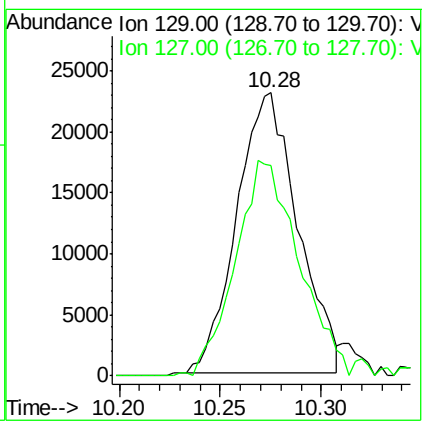


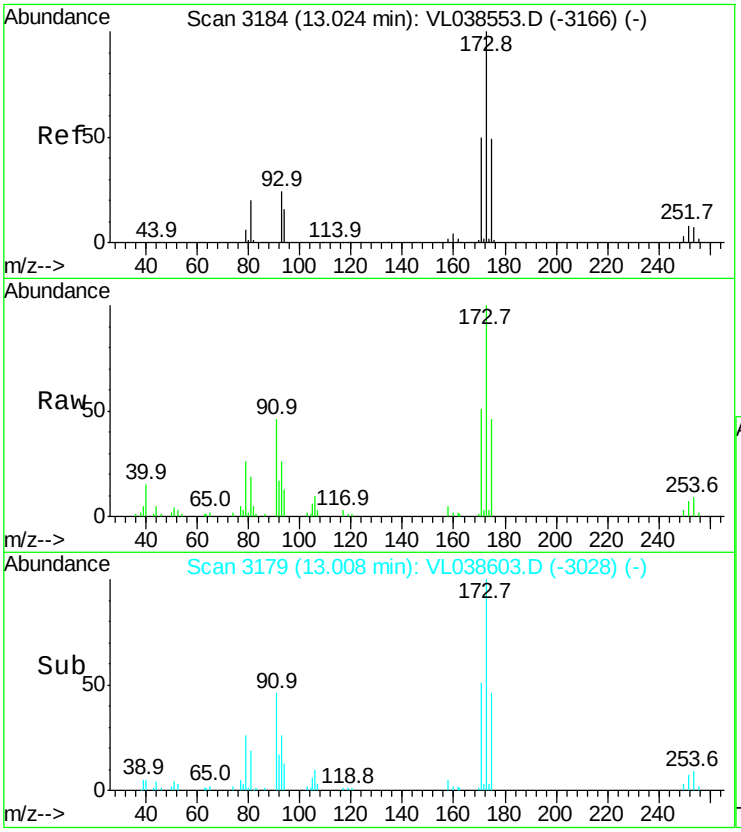


#48
Dibromochloromethane
Concen: 0.43 ppbv
RT: 10.28 min Scan# 2329
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:129 Resp: 48734

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.5	118.3



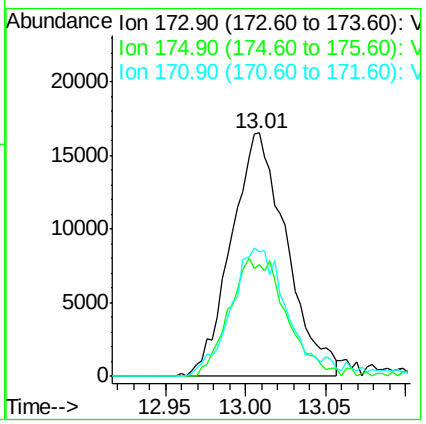


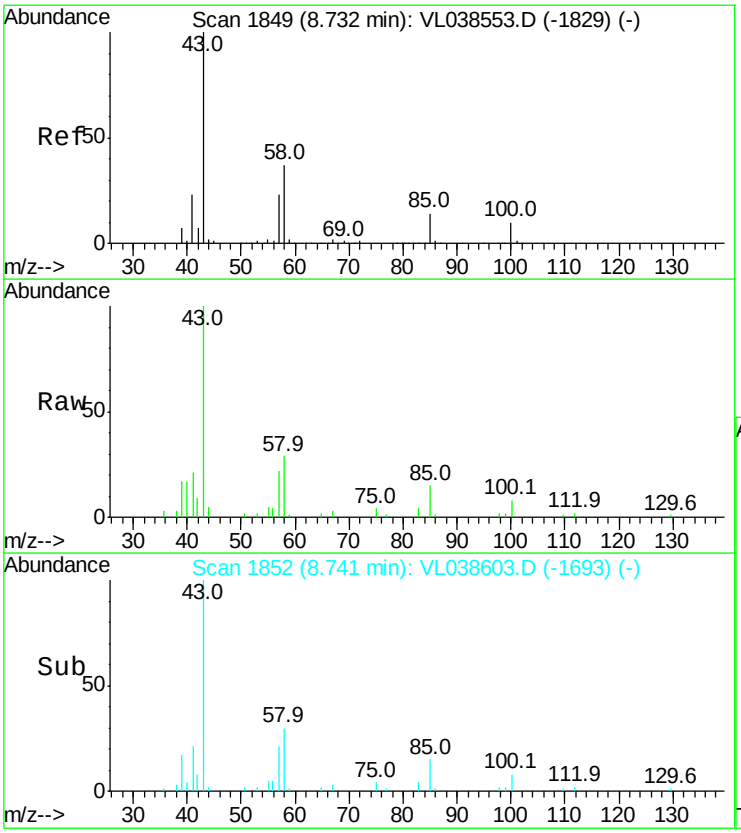
#49
Bromoform
Concen: 0.45 ppbv
RT: 13.01
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:173 Resp: 39237

Ion	Ratio	Lower	Upper
173	100		
175	50.2	40.7	61.1
171	56.5	42.9	64.3

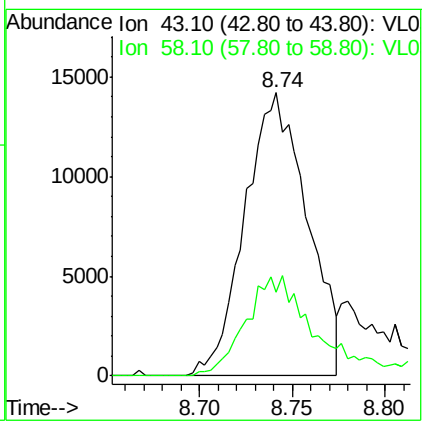


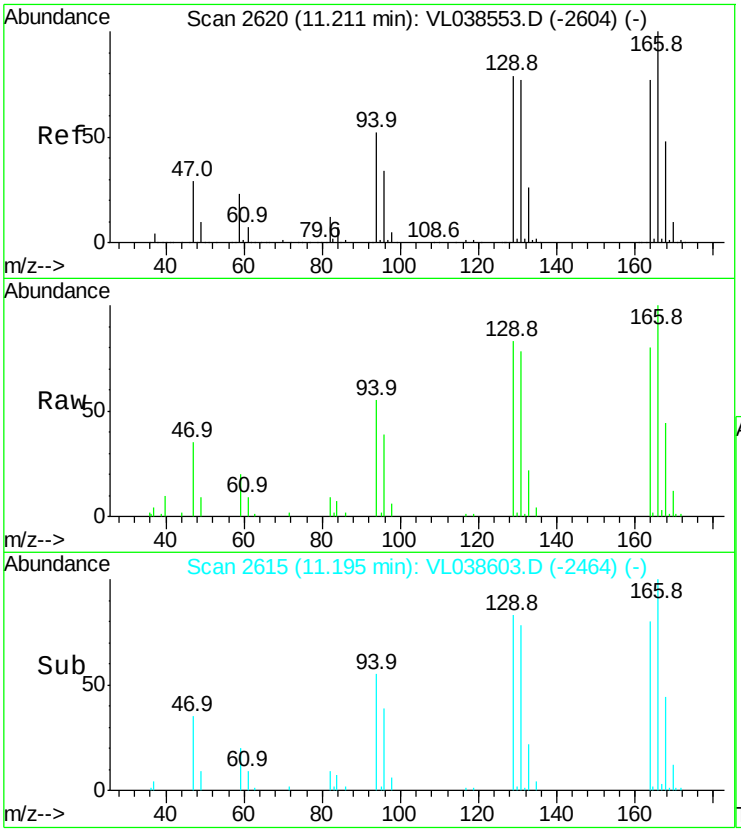


#50
4-Methyl-2-Pentanone
Concen: 0.31 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 43 Resp: 33265

Ion	Ratio	Lower	Upper
43	100		
58	42.6	29.2	43.8



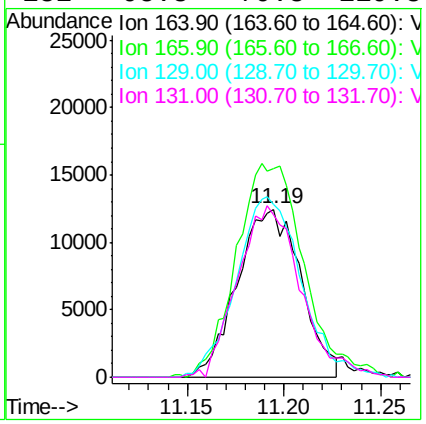


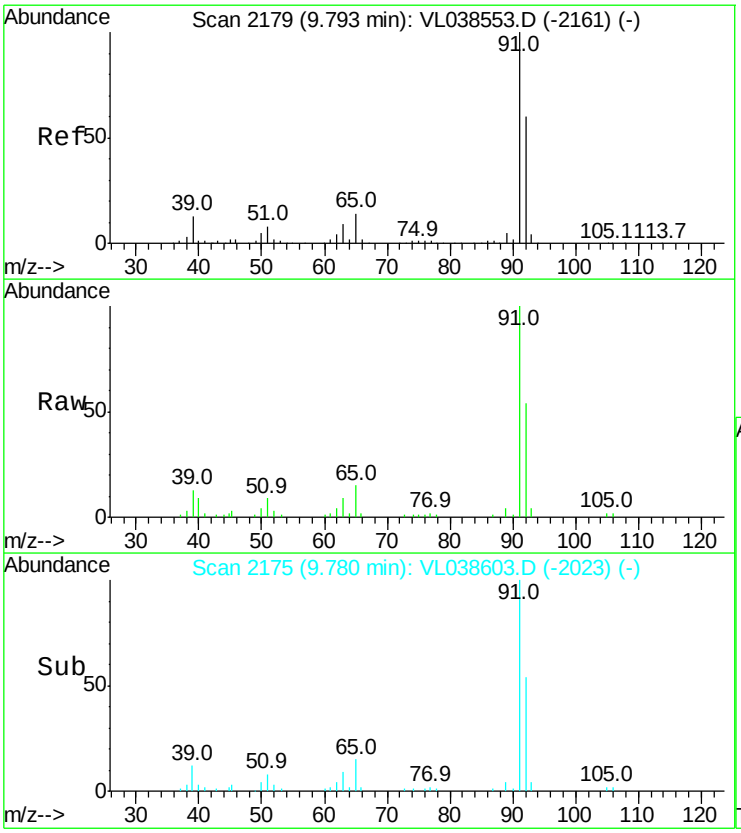
#52
Tetrachloroethene
Concen: 0.42 ppbv
RT: 11.19
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:164 Resp: 28565

Ion	Ratio	Lower	Upper
164	100		
166	124.6	103.4	155.2
129	103.8	81.3	121.9
131	95.8	79.8	119.8

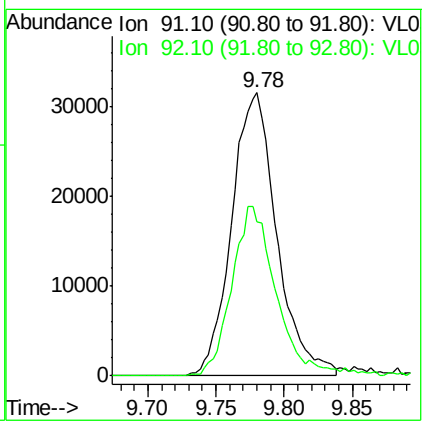


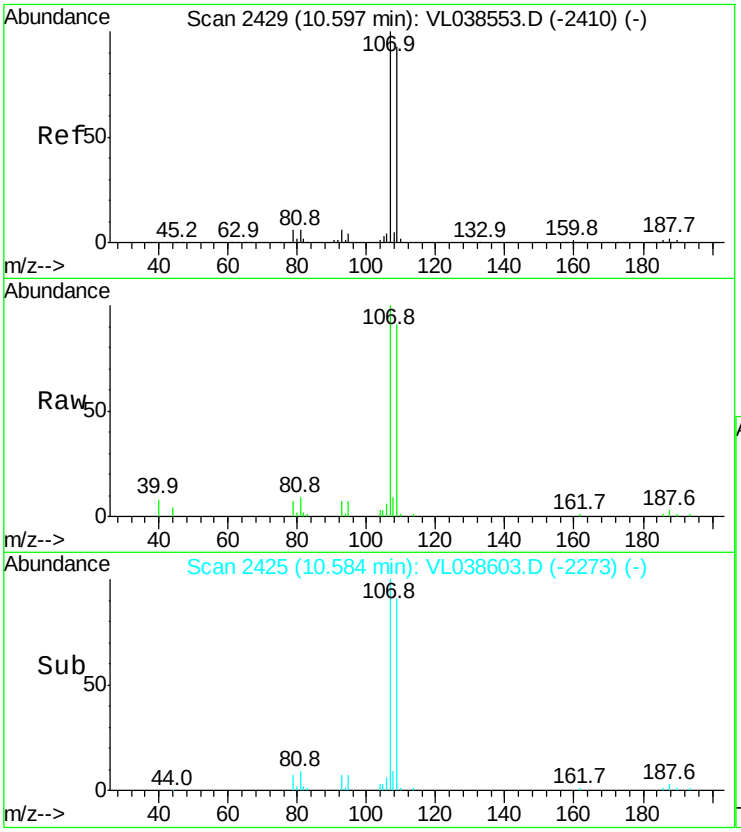


#53
Toluene
Concen: 0.37 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 91 Resp: 72346

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.1	72.1



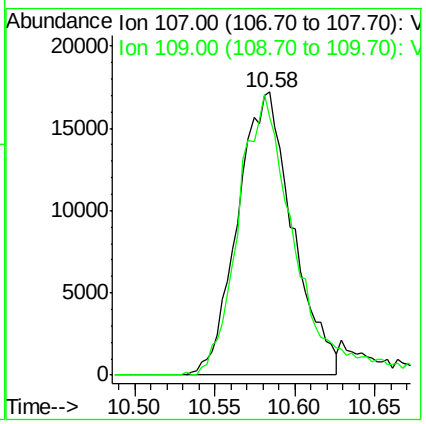


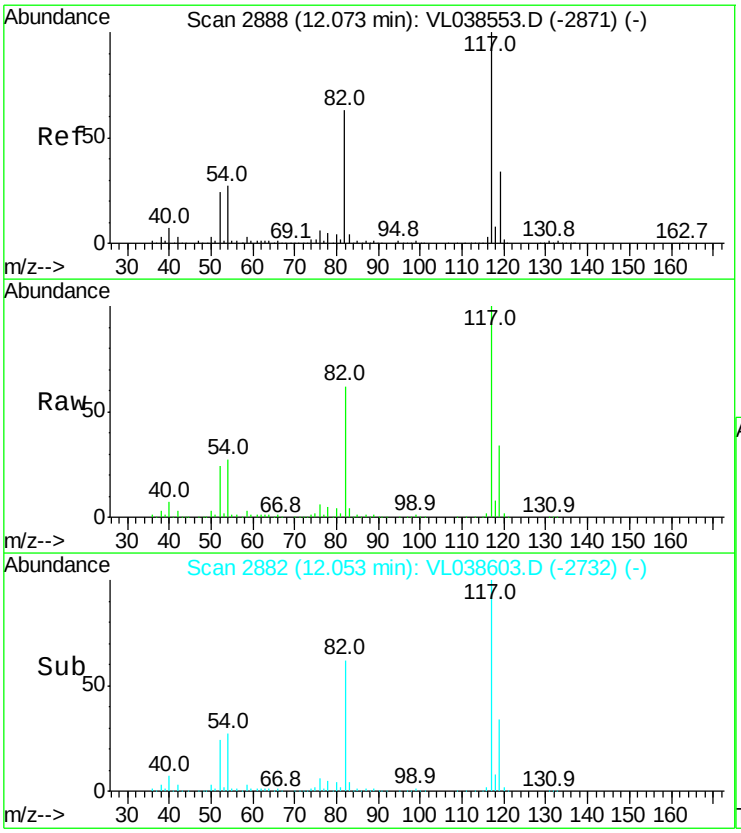
#54
1,2-Dibromoethane
Concen: 0.39 ppbv
RT: 10.58
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:107 Resp: 40559

Ion	Ratio	Lower	Upper
107	100		
109	91.3	74.6	112.0

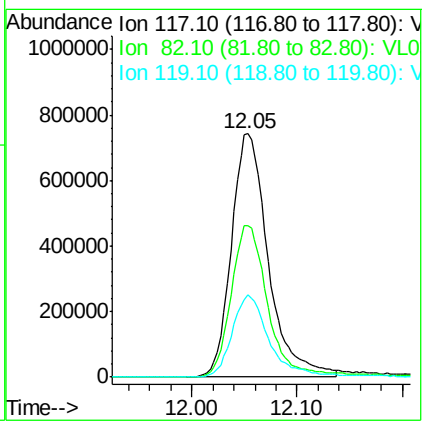


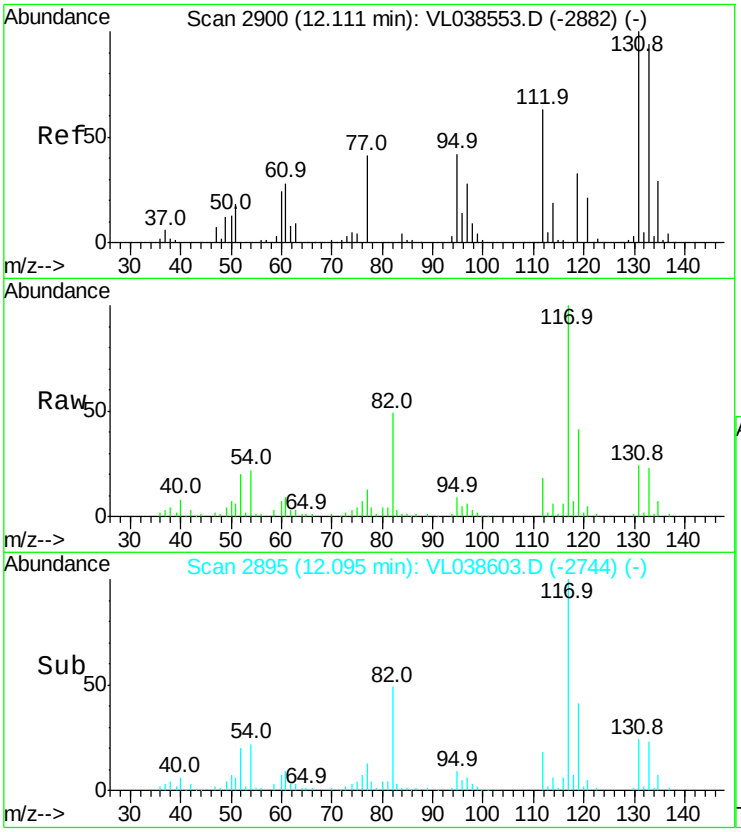


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:117 Resp: 1802738

Ion	Ratio	Lower	Upper
117	100		
82	62.4	52.5	78.7
119	34.6	46.4	69.6#



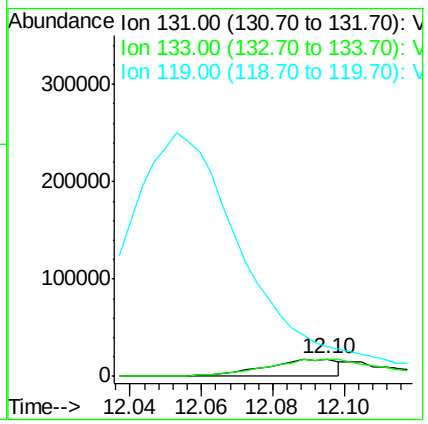


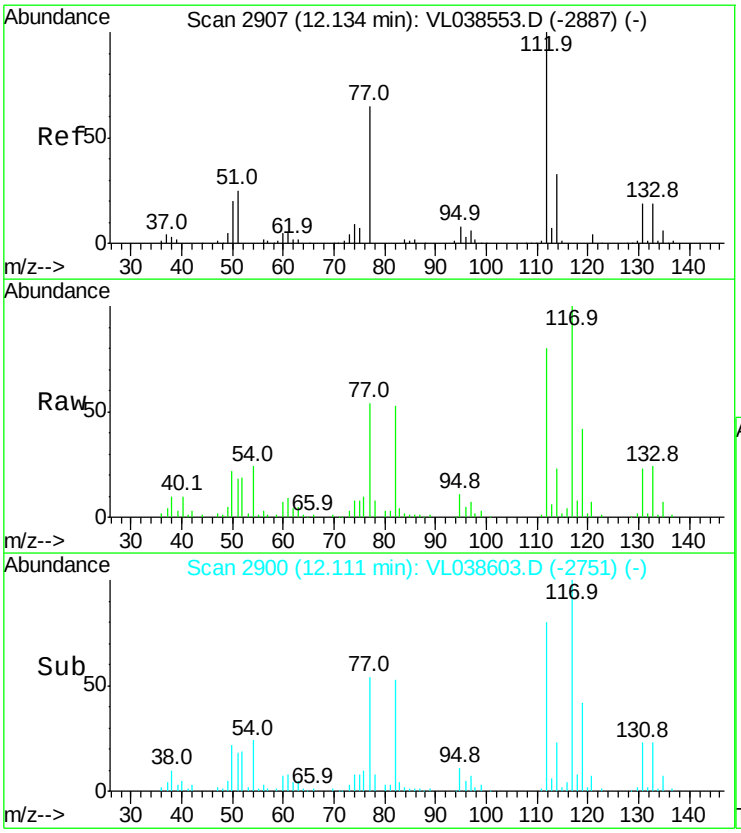
#56
1,1,1,2-Tetrachloroethane
Concen: 0.34 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:131 Resp: 25266

Ion	Ratio	Lower	Upper
131	100		
133	164.3	78.0	117.0#
119	0.0	53.1	79.7#

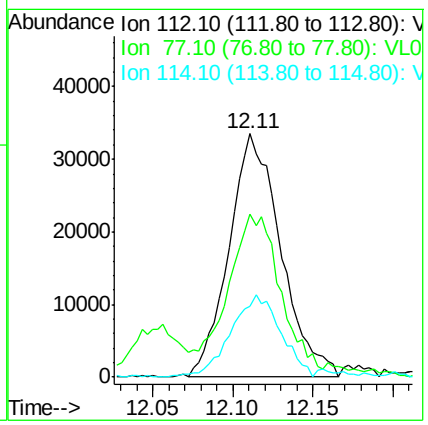


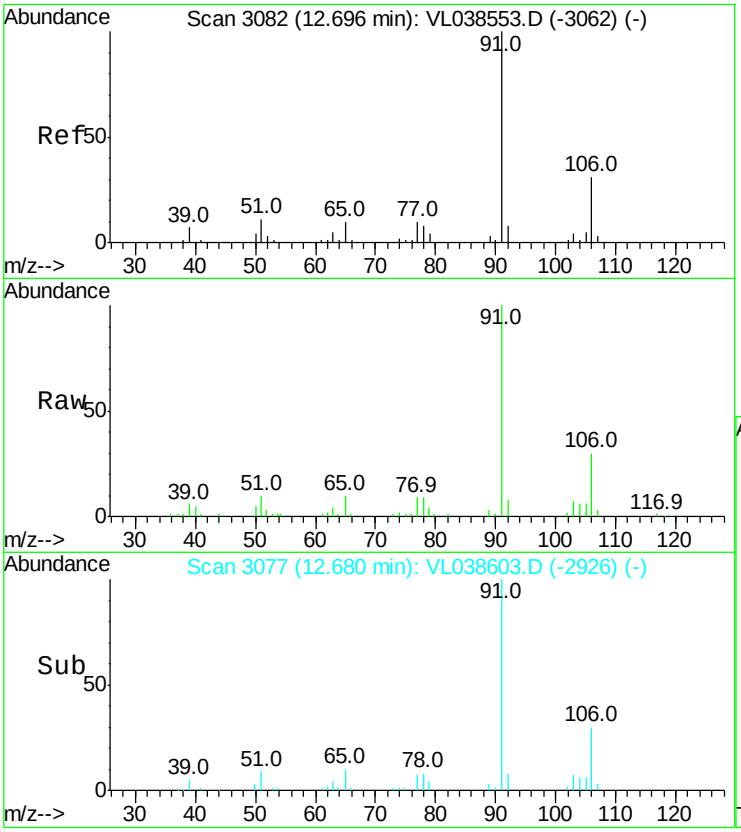


#57
Chlorobenzene
Concen: 0.54 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:112 Resp: 74246

Ion	Ratio	Lower	Upper
112	100		
77	58.5	52.5	78.7
114	27.5	30.0	36.6#



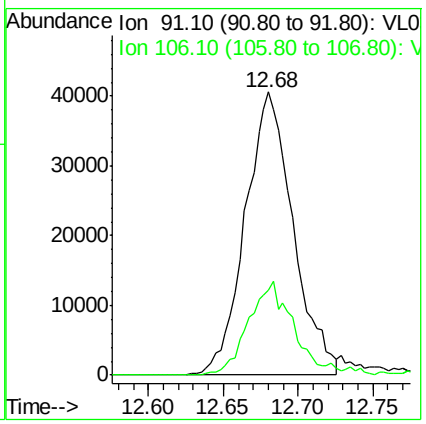


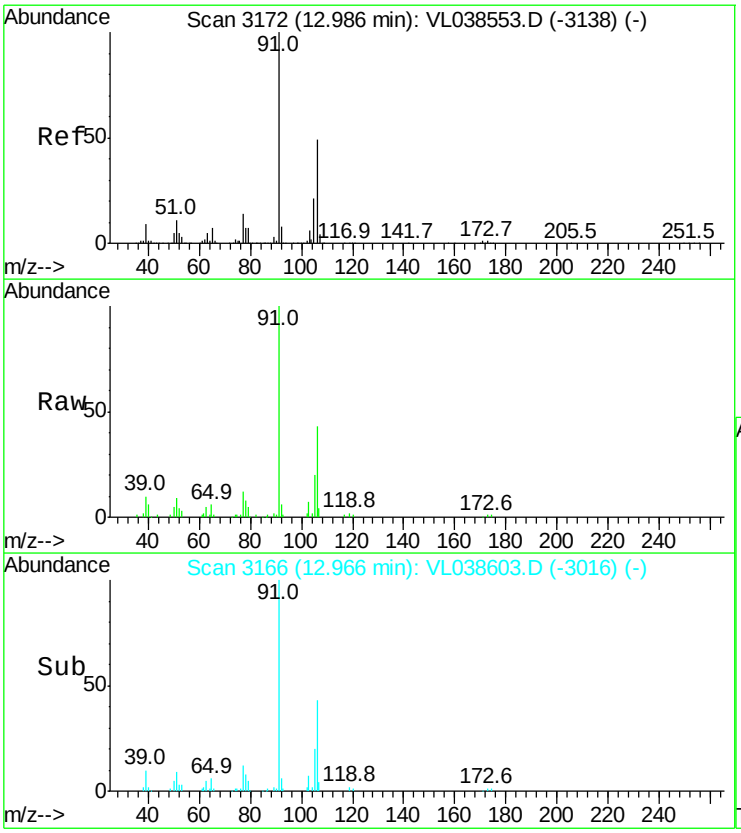
#58
Ethyl Benzene
Concen: 0.39 ppbv
RT: 12.68
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 91 Resp: 90327

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	37.0

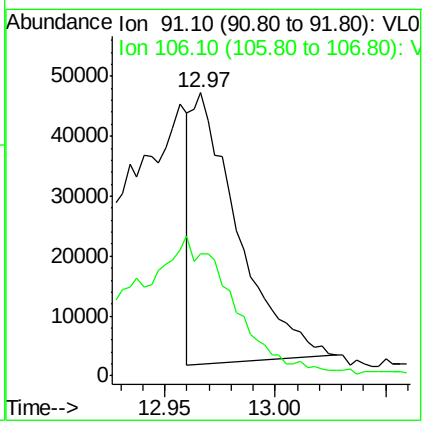


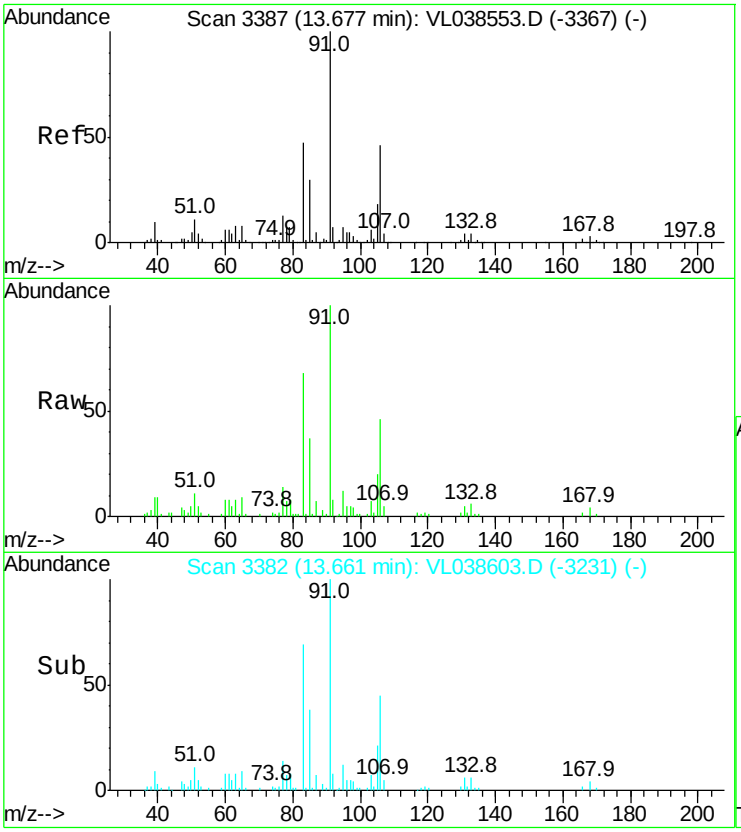


#59
m/p-Xylene
Concen: 0.33 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 91 Resp: 65340

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#



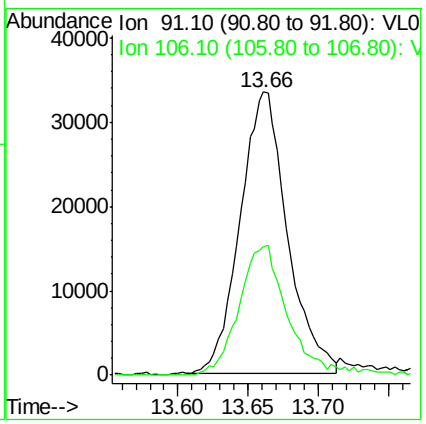


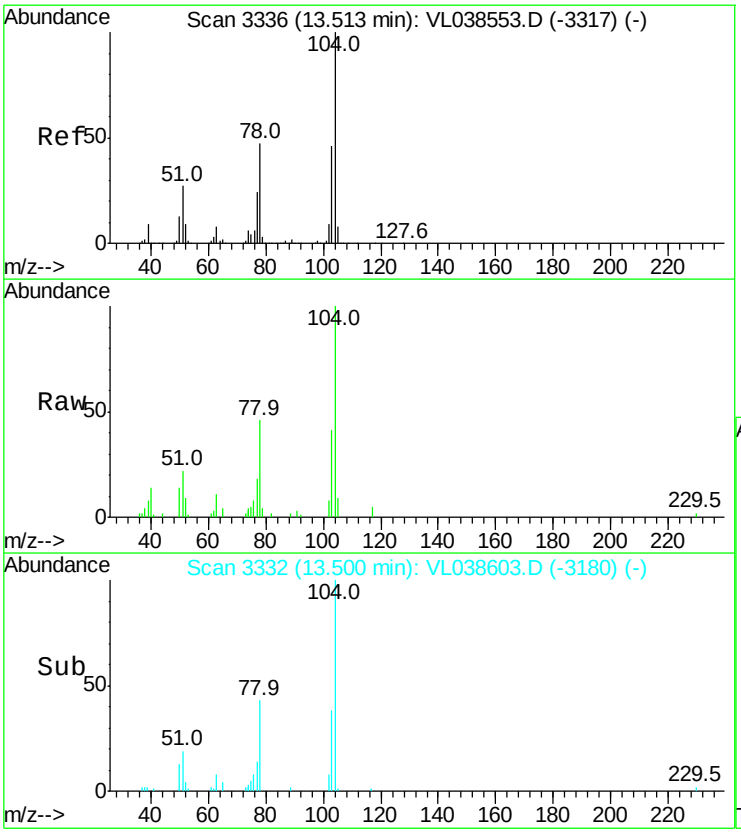
#60
o-Xylene
Concen: 0.42 ppbv
RT: 13.66
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 91 Resp: 78317

Ion	Ratio	Lower	Upper
91	100		
106	47.8	23.5	70.6

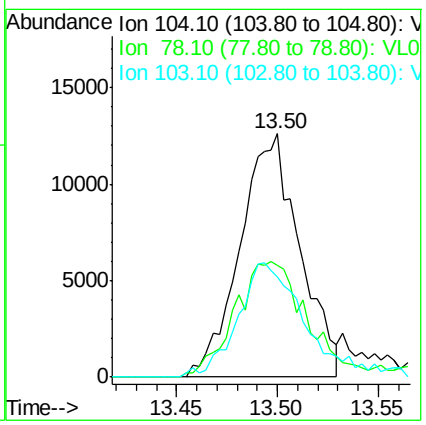


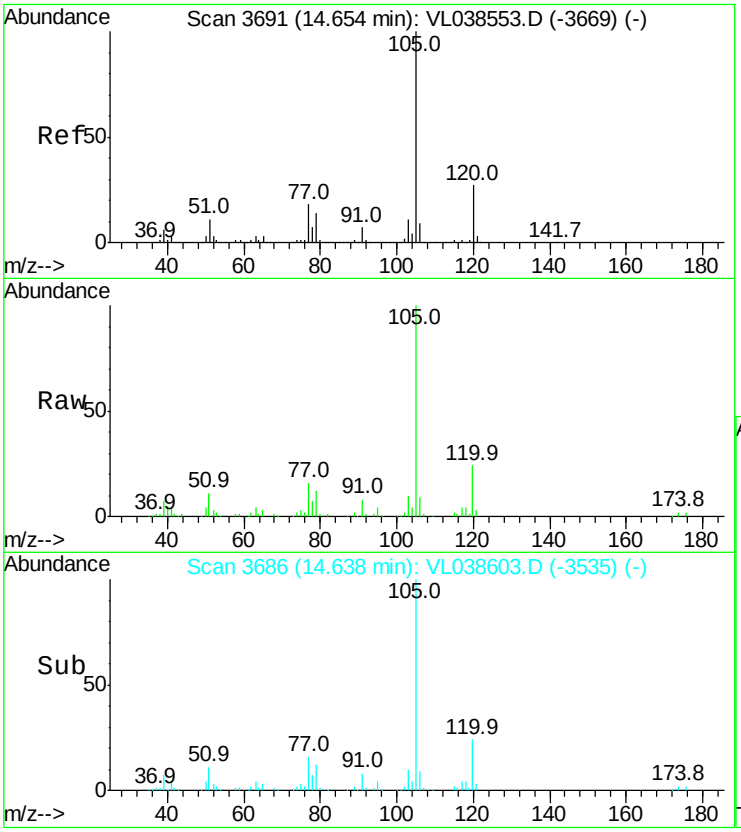


#61
Styrene
Concen: 0.28 ppbv
RT: 13.50 min Scan# 3332
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:104 Resp: 26011

Ion	Ratio	Lower	Upper
104	100		
78	59.0	39.0	58.4#
103	54.2	38.0	57.0



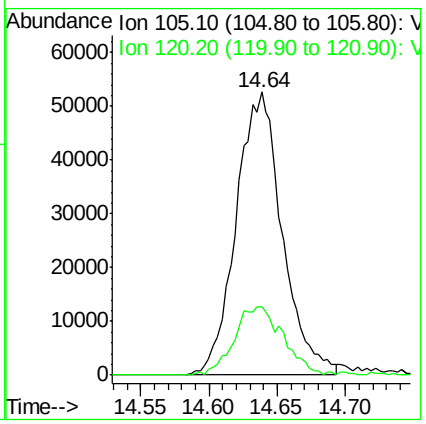


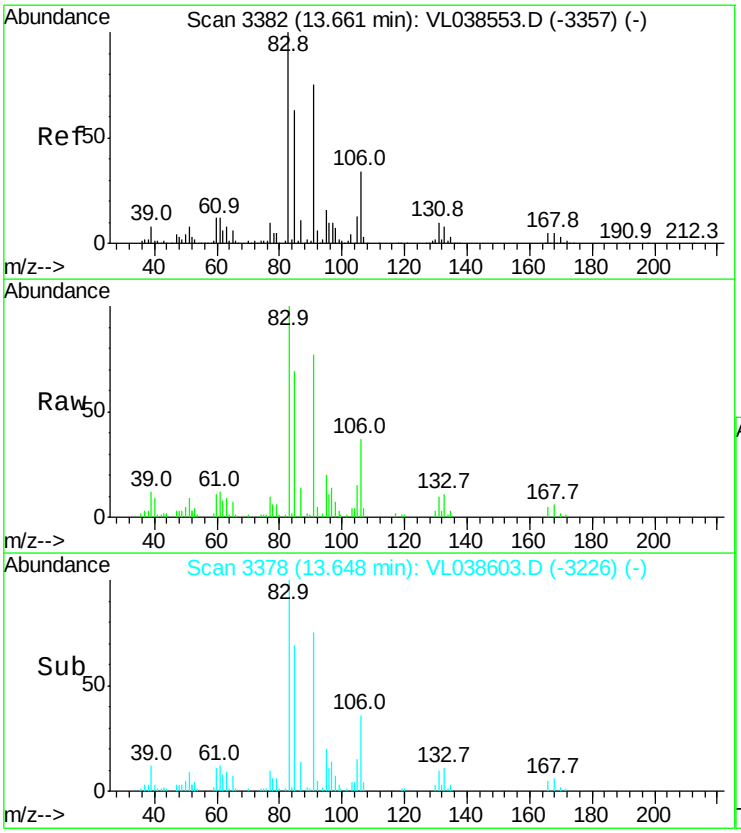
#62
Isopropylbenzene
Concen: 0.47 ppbv
RT: 14.64
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:105 Resp: 123436

Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.2	31.8

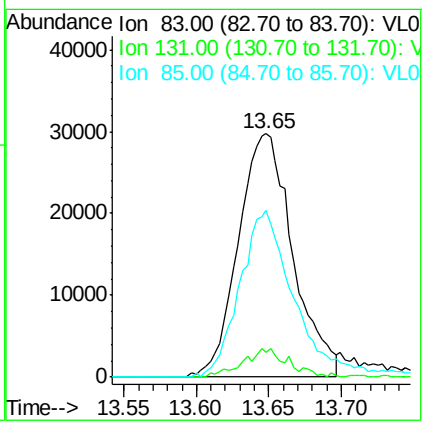


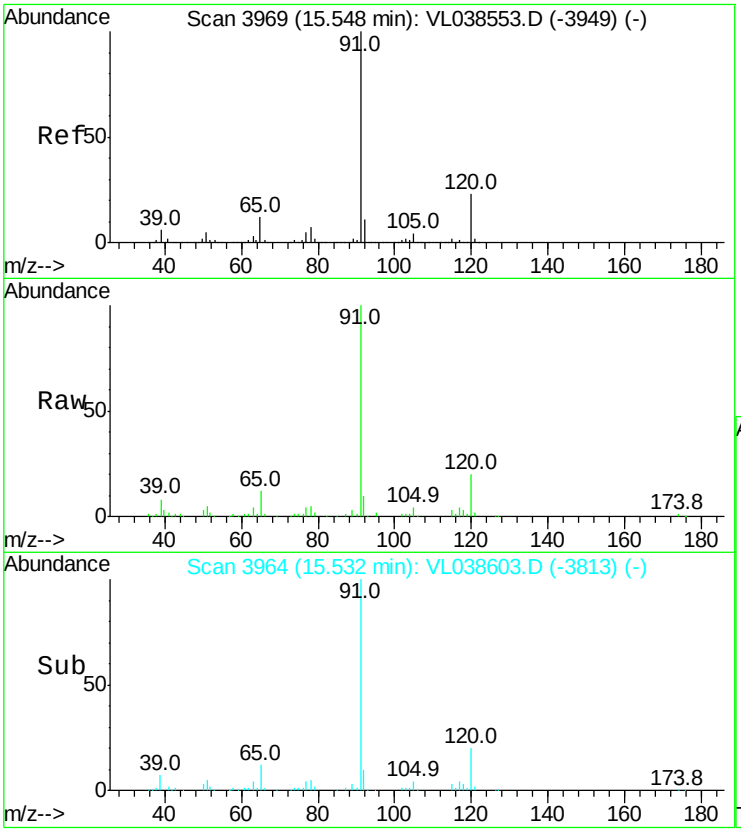


#63
1,1,2,2-Tetrachloroethane
Concen: 0.49 ppbv
RT: 13.65 min Scan# 3378
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 83 Resp: 77776

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	70.2	32.6	98.0



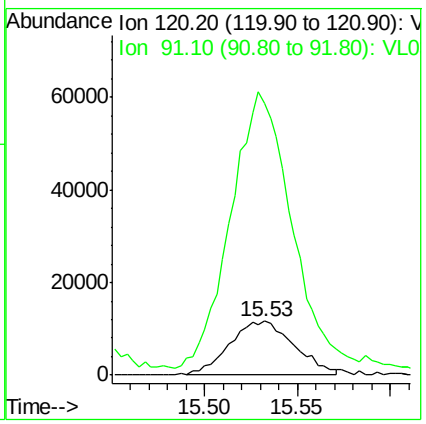


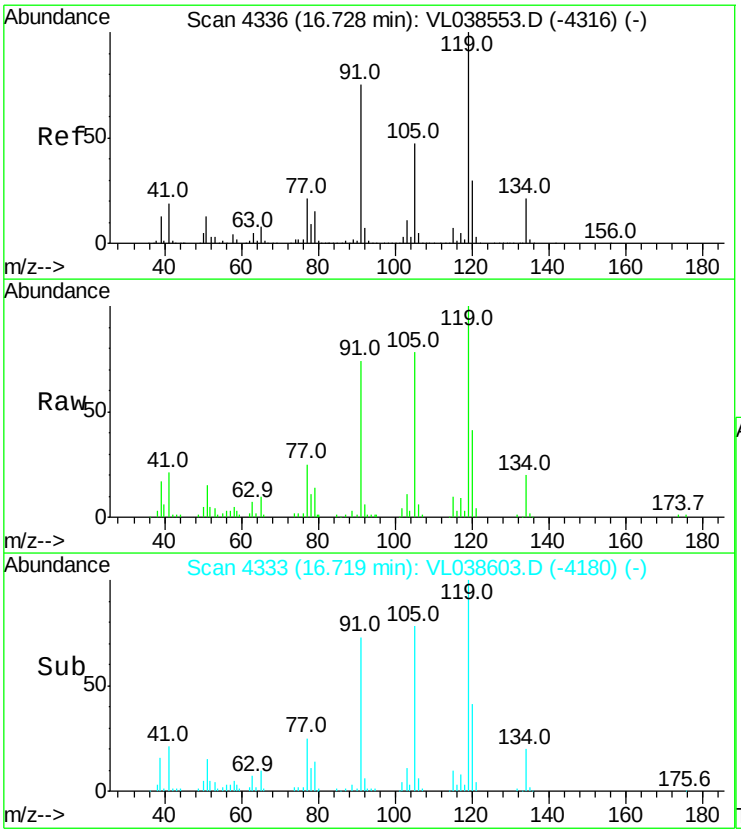
#64
n-propylbenzene
Concen: 0.43 ppbv
RT: 15.53
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:120 Resp: 28223

Ion	Ratio	Lower	Upper
120	100		
91	542.5	374.2	561.2

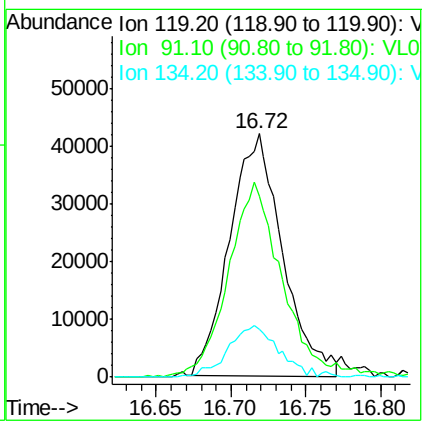


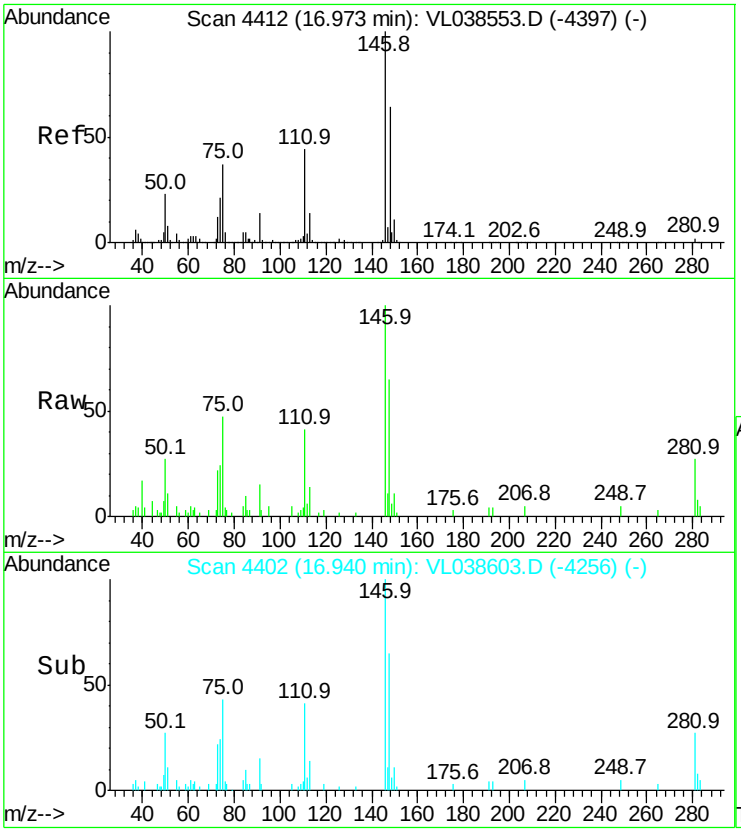


#65
tert-Butylbenzene
Concen: 0.45 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:119 Resp: 103850

Ion	Ratio	Lower	Upper
119	100		
91	83.3	61.2	91.8
134	20.6	16.2	24.2



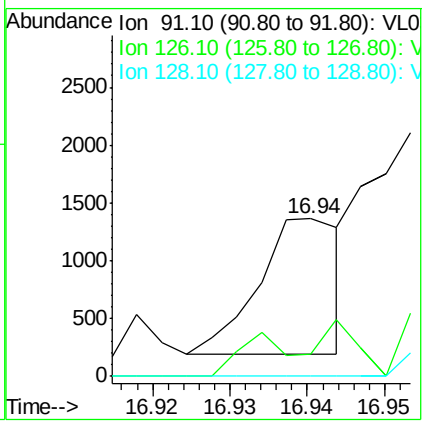


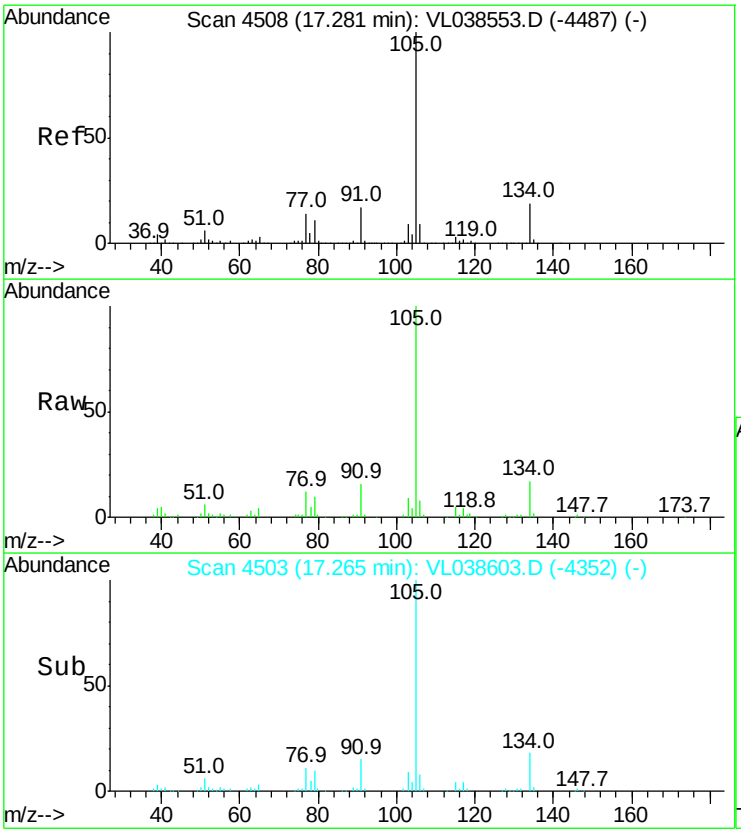
#66
Benzyl Chloride
Concen: 0.06 ppbv
RT: 16.94
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 91 Resp: 866

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

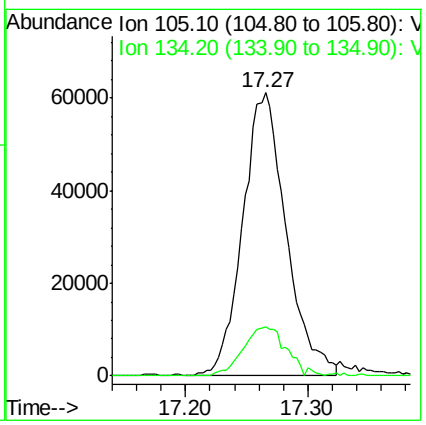


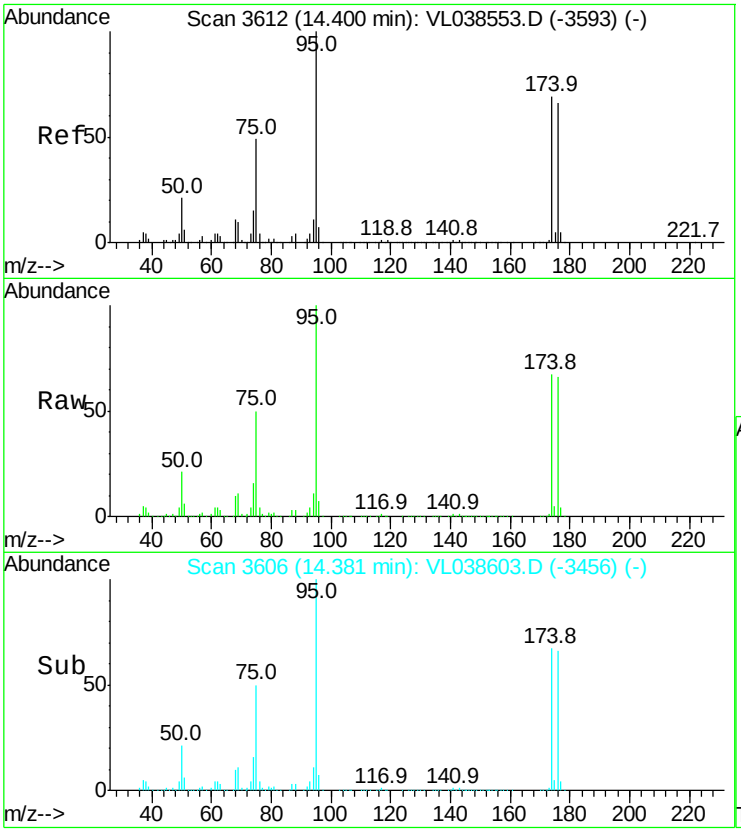


#67
sec-Butylbenzene
Concen: 0.45 ppbv
RT: 17.27 min Scan# 4503
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:105 Resp: 150534

Ion	Ratio	Lower	Upper
105	100		
134	17.9	15.0	22.6



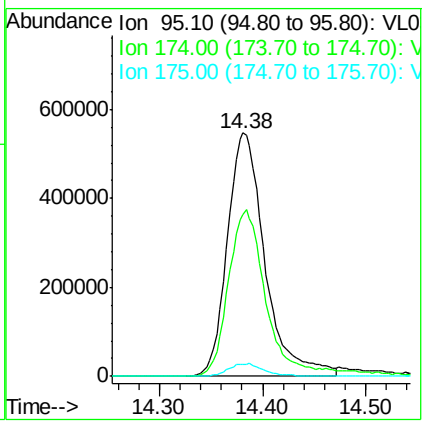


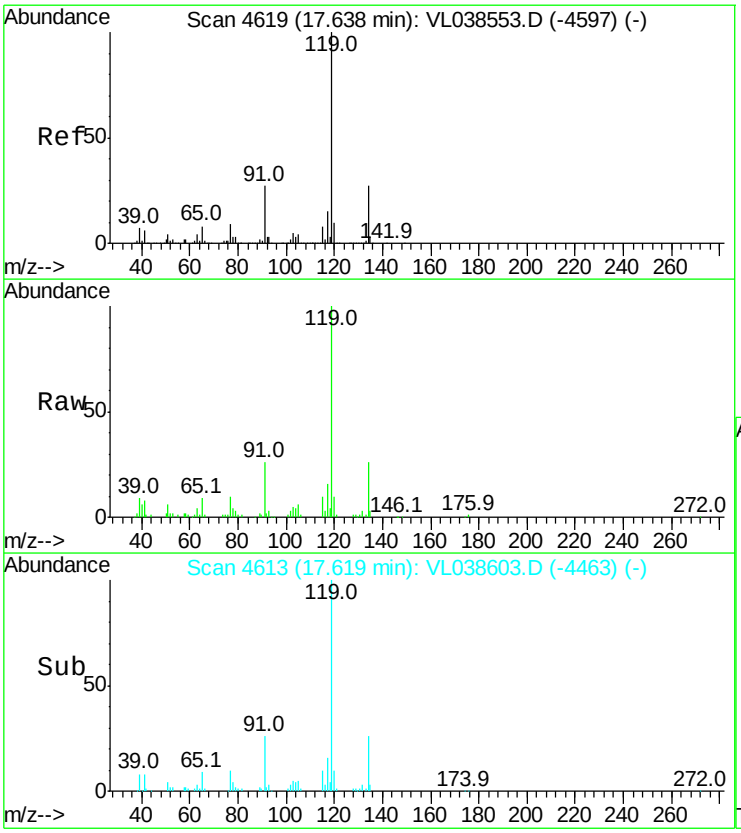
#68
1-Bromo-4-Fluorobenzene
Concen: 10.14 ppbv
RT: 14.38
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 95 Resp: 1390216

Ion	Ratio	Lower	Upper
95	100		
174	71.5	56.2	84.4
175	5.3	4.2	6.2

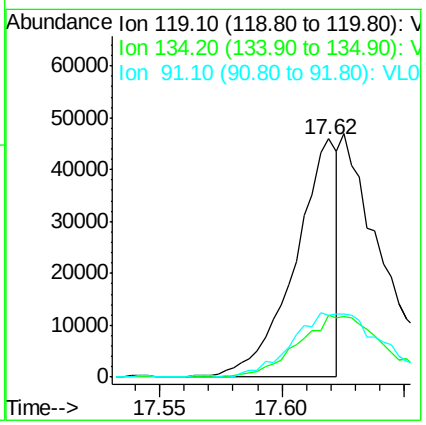


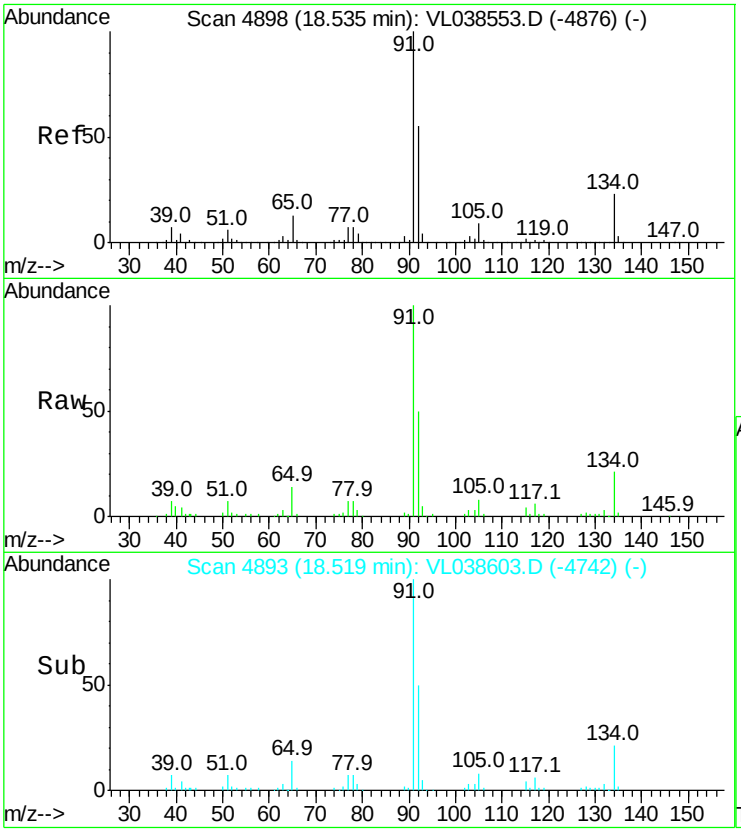


#69
p-Isopropyltoluene
Concen: 0.20 ppbv
RT: 17.62 min Scan# 4613
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:119 Resp: 55589

Ion	Ratio	Lower	Upper
119	100		
134	54.6	20.9	31.3#
91	62.3	21.1	31.7#



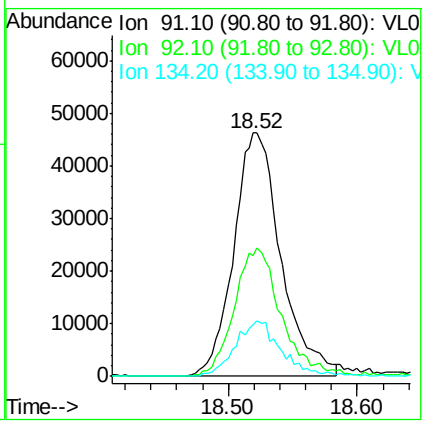


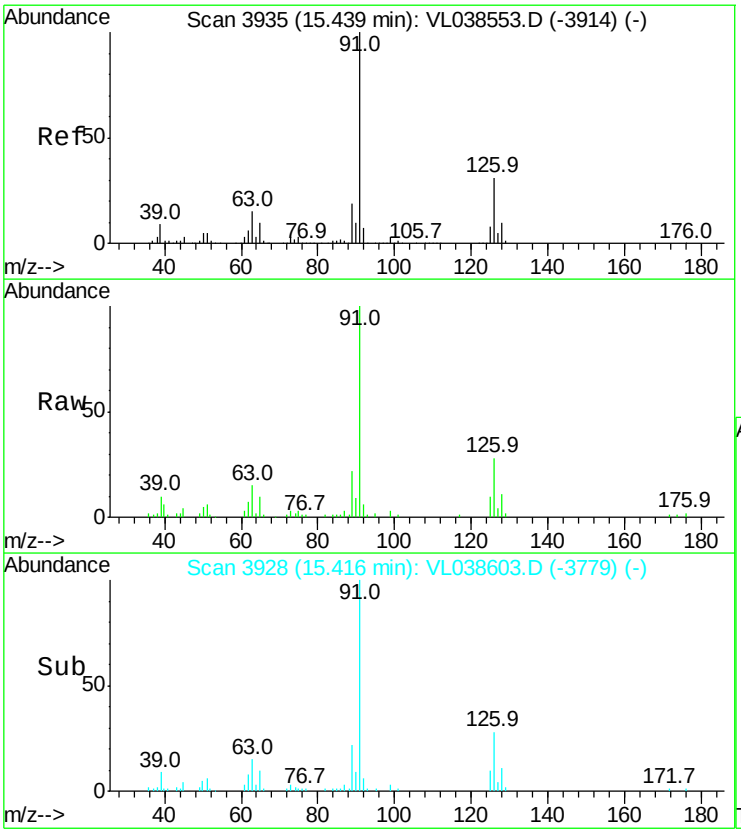
#70
n-Butylbenzene
Concen: 0.40 ppbv
RT: 18.52
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 91 Resp: 117648

Ion	Ratio	Lower	Upper
91	100		
92	53.0	43.8	65.8
134	22.4	18.7	28.1

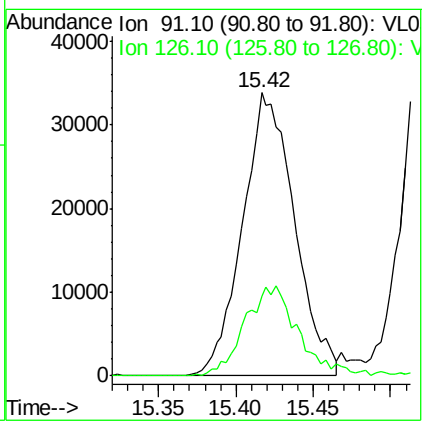


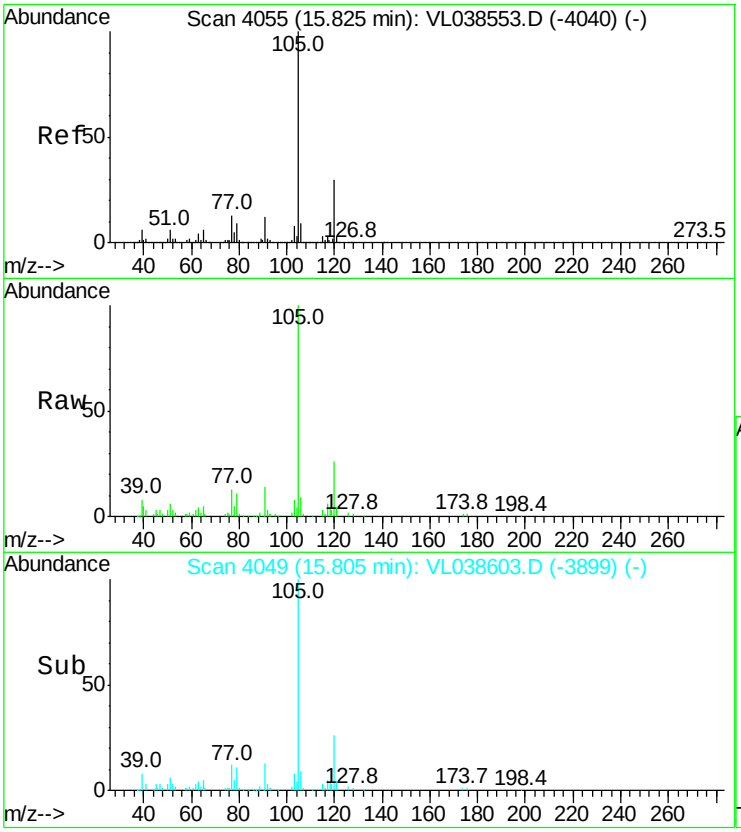


#71
2-Chlorotoluene
Concen: 0.41 ppbv
RT: 15.42 min Scan# 3928
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion: 91 Resp: 79190

Ion	Ratio	Lower	Upper
91	100		
126	33.3	12.9	51.7



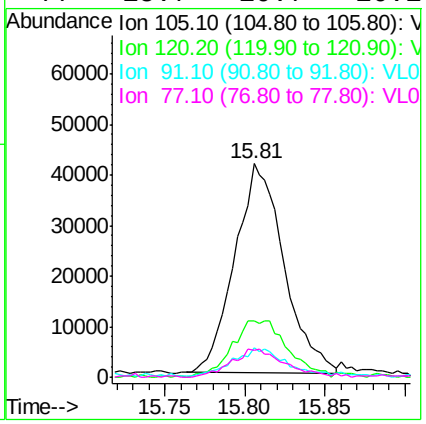


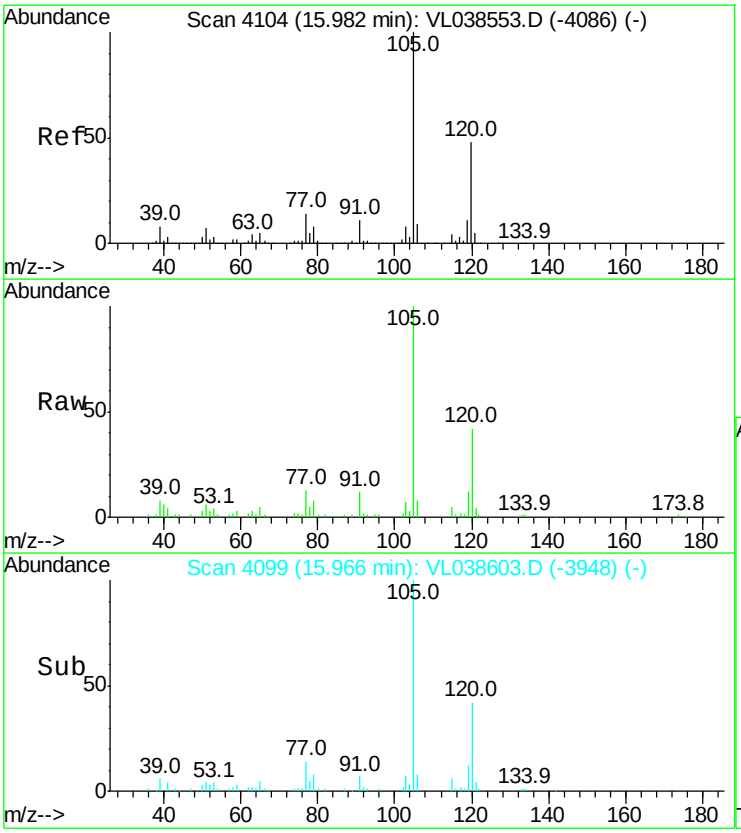
#72
4-Ethyltoluene
Concen: 0.40 ppbv
RT: 15.81
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:105 Resp: 87156

Ion	Ratio	Lower	Upper
105	100		
120	32.2	25.0	37.4
91	15.7	9.8	14.6#
77	15.7	10.7	16.1

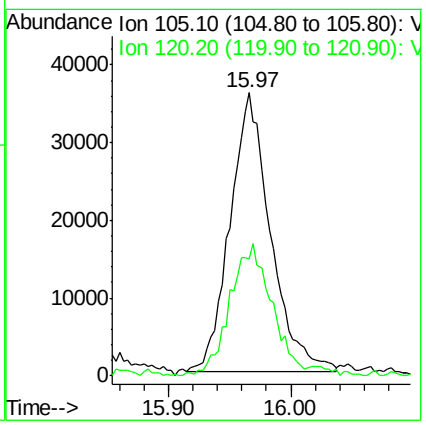


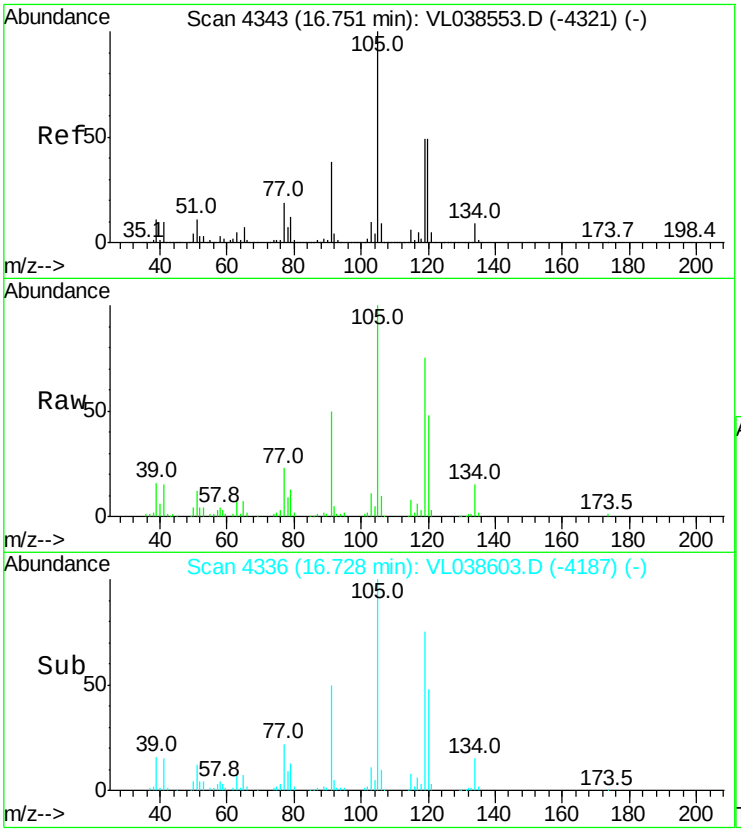


#73
1,3,5-Trimethylbenzene
Concen: 0.41 ppbv
RT: 15.97 min Scan# 4099
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:105 Resp: 82007

Ion	Ratio	Lower	Upper
105	100		
120	41.4	38.3	57.5



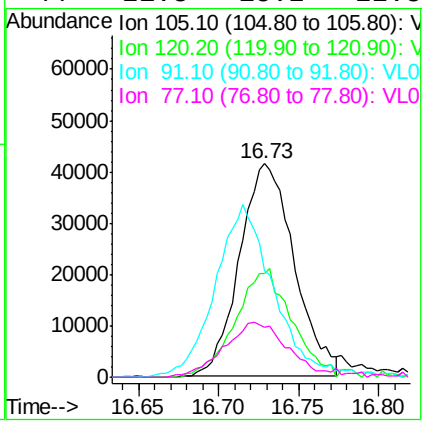


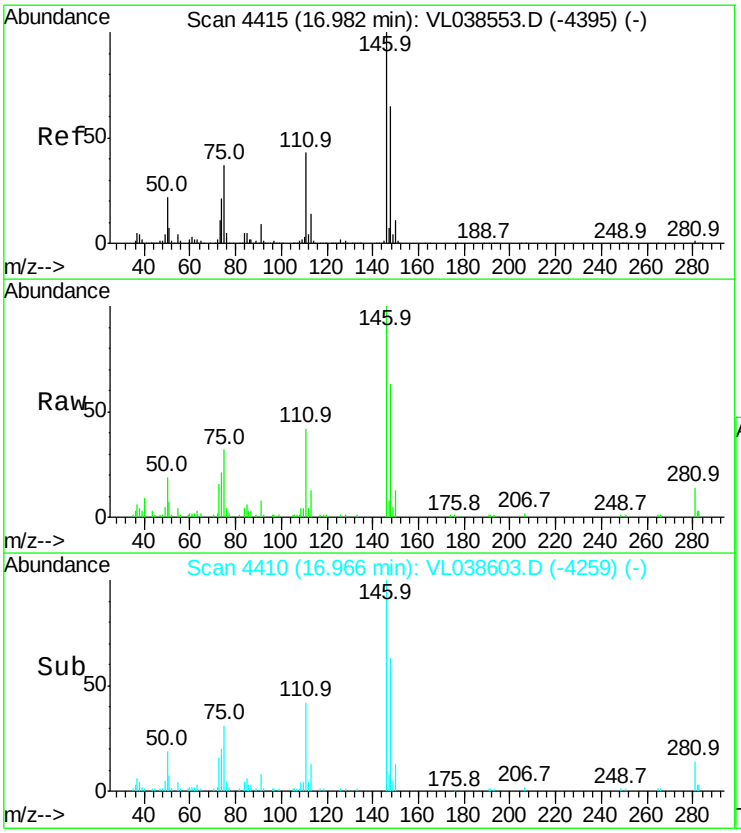
#74
1,2,4-Trimethylbenzene
Concen: 0.45 ppbv
RT: 16.73
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:105 Resp: 96990

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.9	58.3
91	47.0	30.6	46.0#
77	21.8	15.2	22.8

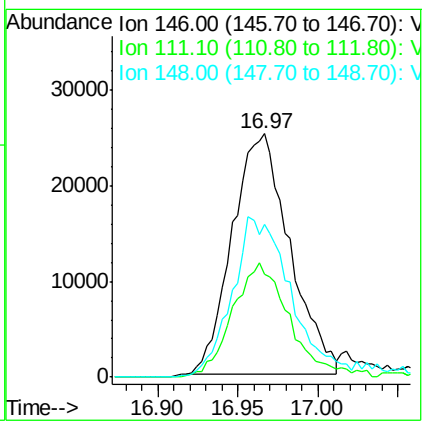


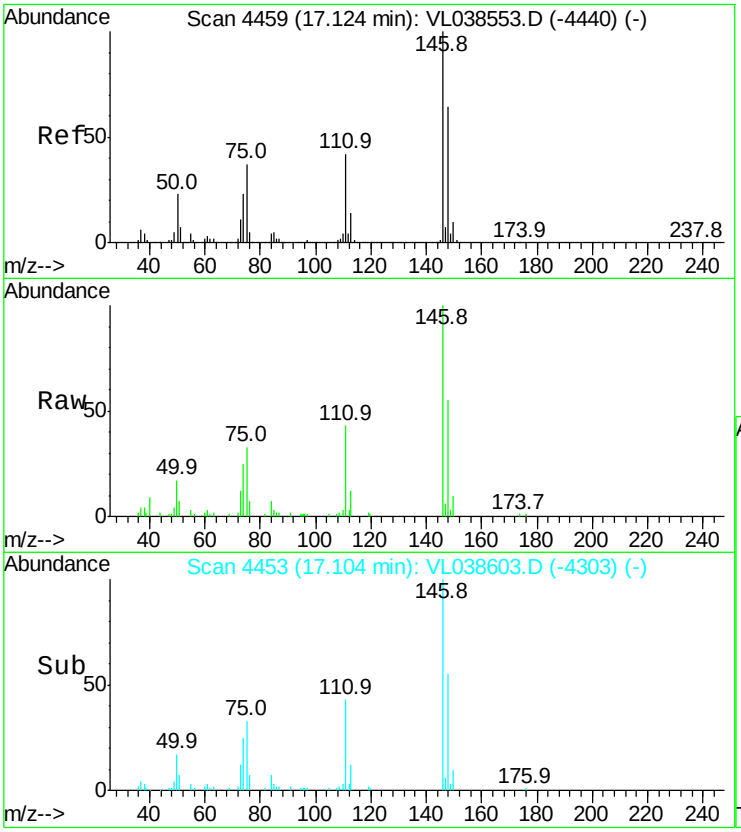


#75
1,3-Dichlorobenzene
Concen: 0.46 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:146 Resp: 61741

Ion	Ratio	Lower	Upper
146	100		
111	47.4	21.9	65.8
148	70.4	32.2	96.6



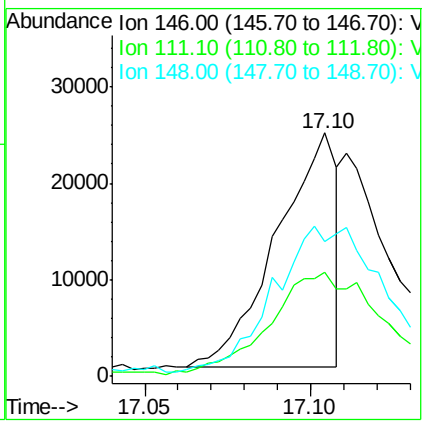


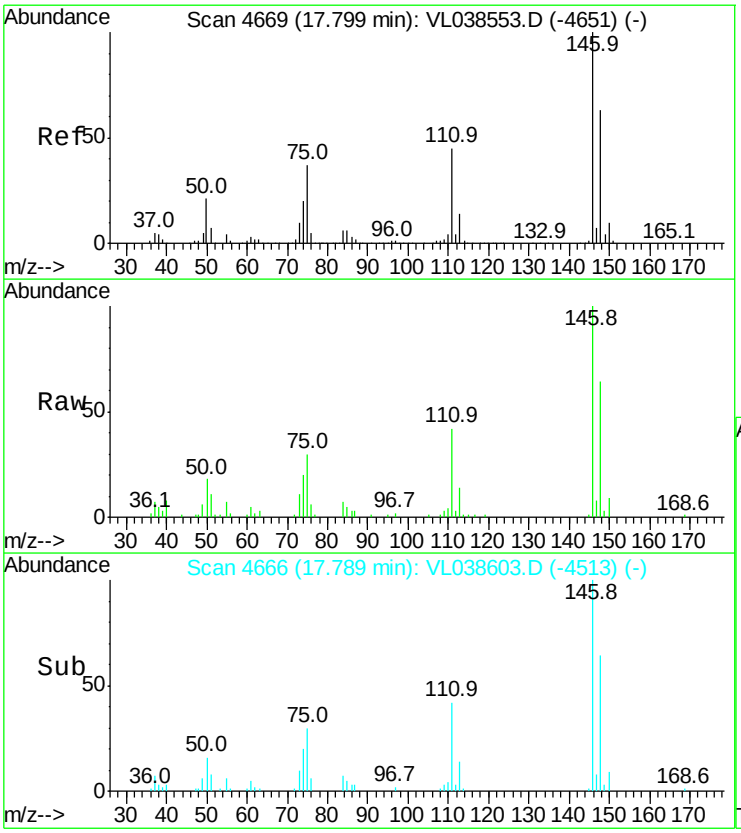
#76
1,4-Dichlorobenzene
Concen: 0.23 ppbv
RT: 17.10
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:146 Resp: 30623

Ion	Ratio	Lower	Upper
146	100		
111	90.8	21.8	65.3#
148	136.2	32.8	98.4#

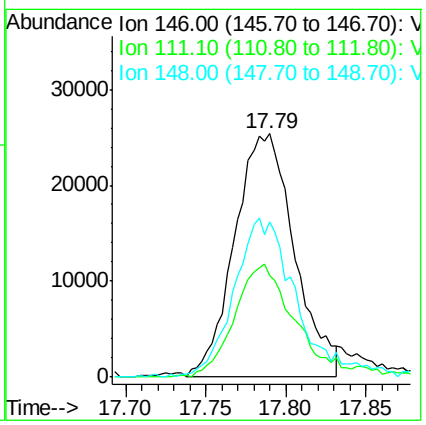


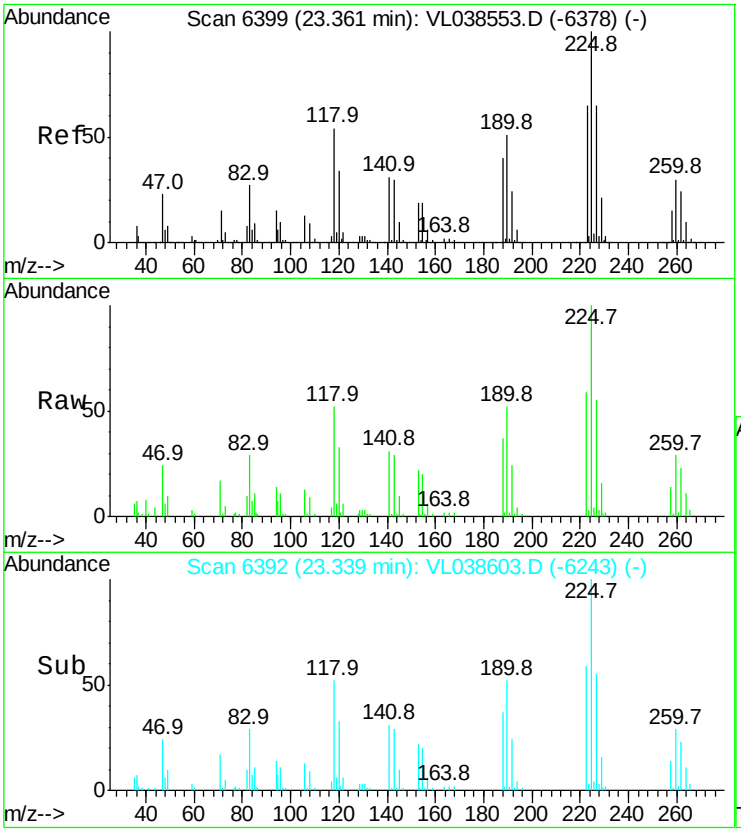


#77
1,2-Dichlorobenzene
Concen: 0.48 ppbv
RT: 17.79 min Scan# 4666
Delta R.T. -0.01 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:146 Resp: 65345

Ion	Ratio	Lower	Upper
146	100		
111	48.8	23.2	69.5
148	68.1	32.6	98.0



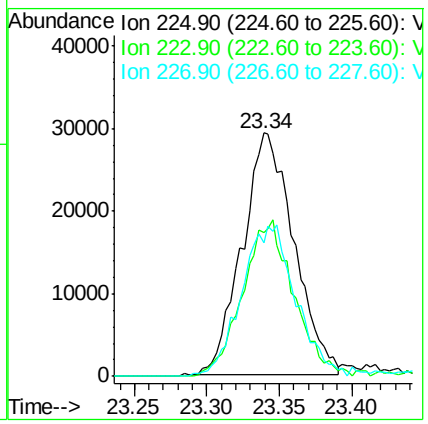


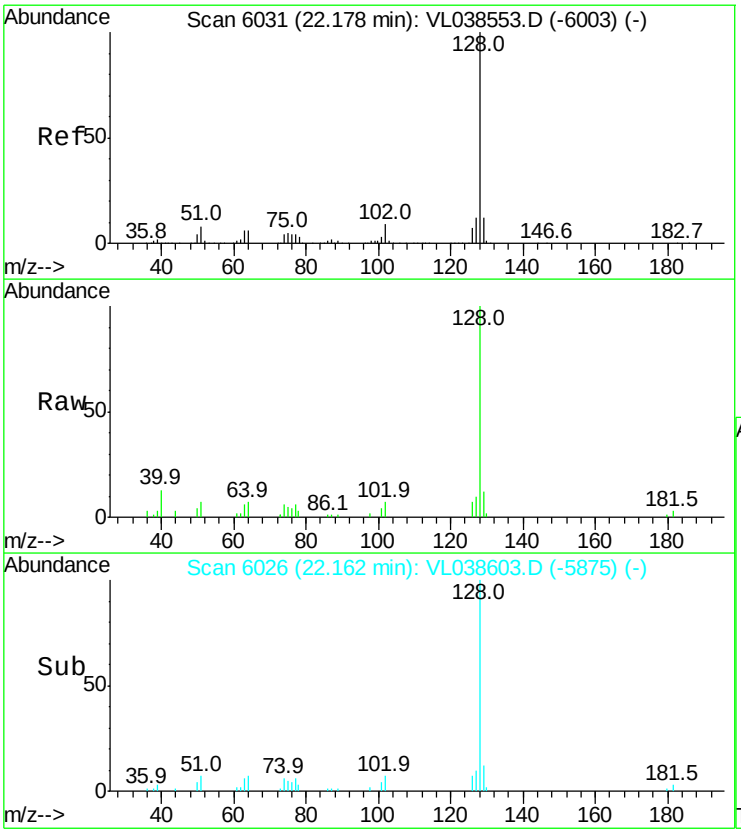
#78
Hexachloro-1,3-Butadiene
Concen: 0.55 ppbv
RT: 23.34
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:225 Resp: 73030

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.4	77.0
227	66.7	51.9	77.9

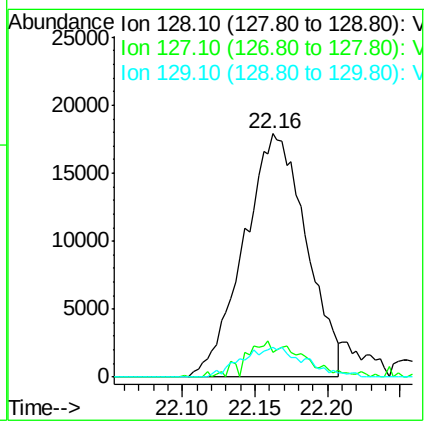


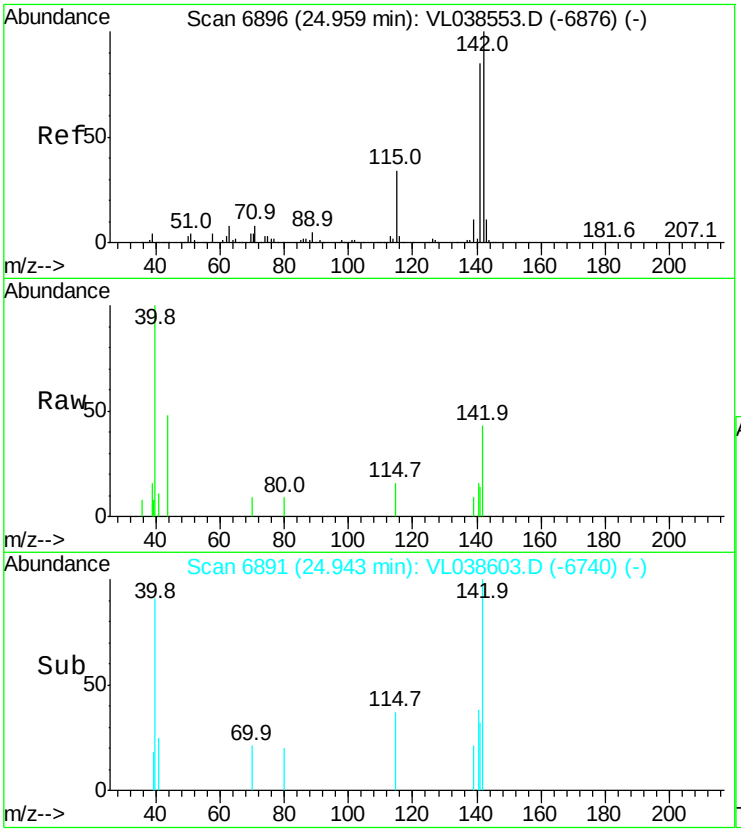


#79
Naphthalene
Concen: 0.28 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:128 Resp: 53522

Ion	Ratio	Lower	Upper
128	100		
127	10.0	9.9	14.9
129	12.5	9.3	13.9



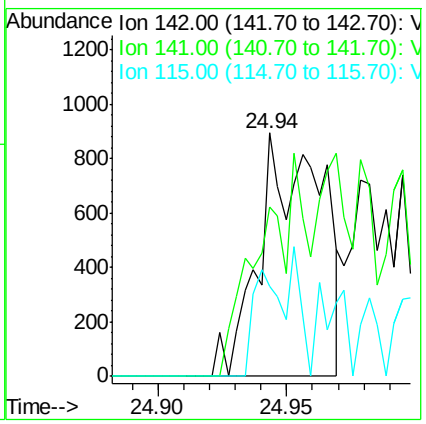


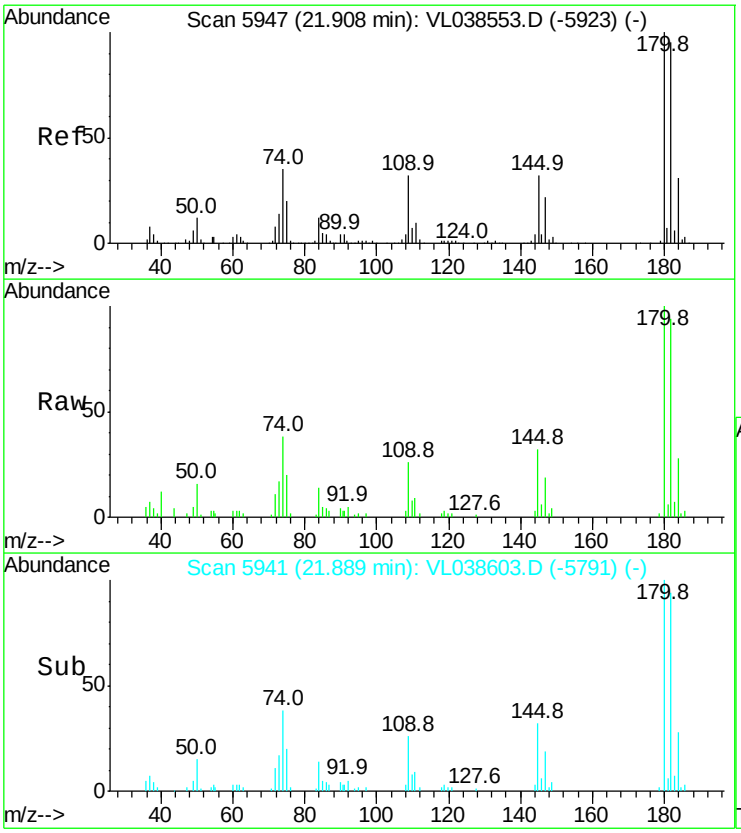
#80
Naphthalene,2-methyl-
Concen: 0.04 ppbv
RT: 24.94
Delta R.T
Lab File:
Acq: 14 Mar 2022 19:28

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2022

Tgt Ion:142 Resp: 1494

Ion	Ratio	Lower	Upper
142	100		
141	180.0	68.4	102.6#
115	28.6	27.9	41.9





#81
1,2,4-Trichlorobenzene
Concen: 0.34 ppbv
RT: 21.89 min Scan# 5941
Delta R.T. -0.02 min
Lab File: VL038603.D
Acq: 14 Mar 2022 19:28

Tgt Ion:180 Resp: 41528

Ion	Ratio	Lower	Upper
180	100		
182	103.7	79.1	118.7
184	29.7	25.0	37.6