Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038634.D
Acq On : 17 Mar 2022 20:27
Operator : SY/AP
Sample : N2003-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0PA6

Quant Time: Mar 18 03:36:26 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	5.67	49	839639	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.18	114	2087255	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	1729493	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1205877	9.17	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	28840	0.23	ppbv		96
3) Chlorodifluoromethane	3.00	51	32465	0.22	ppbv	#	90
4) Chloromethane	3.15	50	31742	0.58	ppbv		98
7) Chloroethane	3.56	64	396	0.02	ppbv	#	41
9) Propene	3.03	41	27786	0.53	ppbv	#	79
11) Trichlorofluoromethane	3.96	101	21064	0.19	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.49	101	3821	0.04	ppbv	#	57
13) Ethanol	3.61	45	95145	15.85	ppbv		99
15) Acetone	3.86	43	394706	6.66	ppbv		95
16) 1,3-Butadiene	3.31	39	3041	0.06	ppbv	#	12
17) tert-Butyl alcohol	4.31	59	4493	0.07	ppbv	#	73
19) Isopropyl Alcohol	4.00	45	9314	0.24	ppbv	#	92
20) Methylene Chloride	4.35	84	134636	3.78	ppbv		95
21) Allyl Chloride	4.35	41	3359	0.06	ppbv	#	55
23) Vinyl Acetate	5.07	43	34679	0.41	ppbv	#	75
25) Ethyl Acetate	5.69	43	95649	0.48	ppbv	#	79
26) Hexane	5.69	57	125627	1.34	ppbv	#	44
34) 2-Butanone	5.26	43	69086	1.28	ppbv	#	90
35) Carbon Tetrachloride	7.02	117	3770	0.03	ppbv		85
36) Benzene	6.89	78	10892	0.06	ppbv		99
39) 1,2-Dichloropropane	7.18	63	479592	6.62	ppbv	#	26
52) Tetrachloroethene	11.23	164	7917	0.11	ppbv	#	72
53) Toluene	9.81	91	84029	0.42	ppbv		96

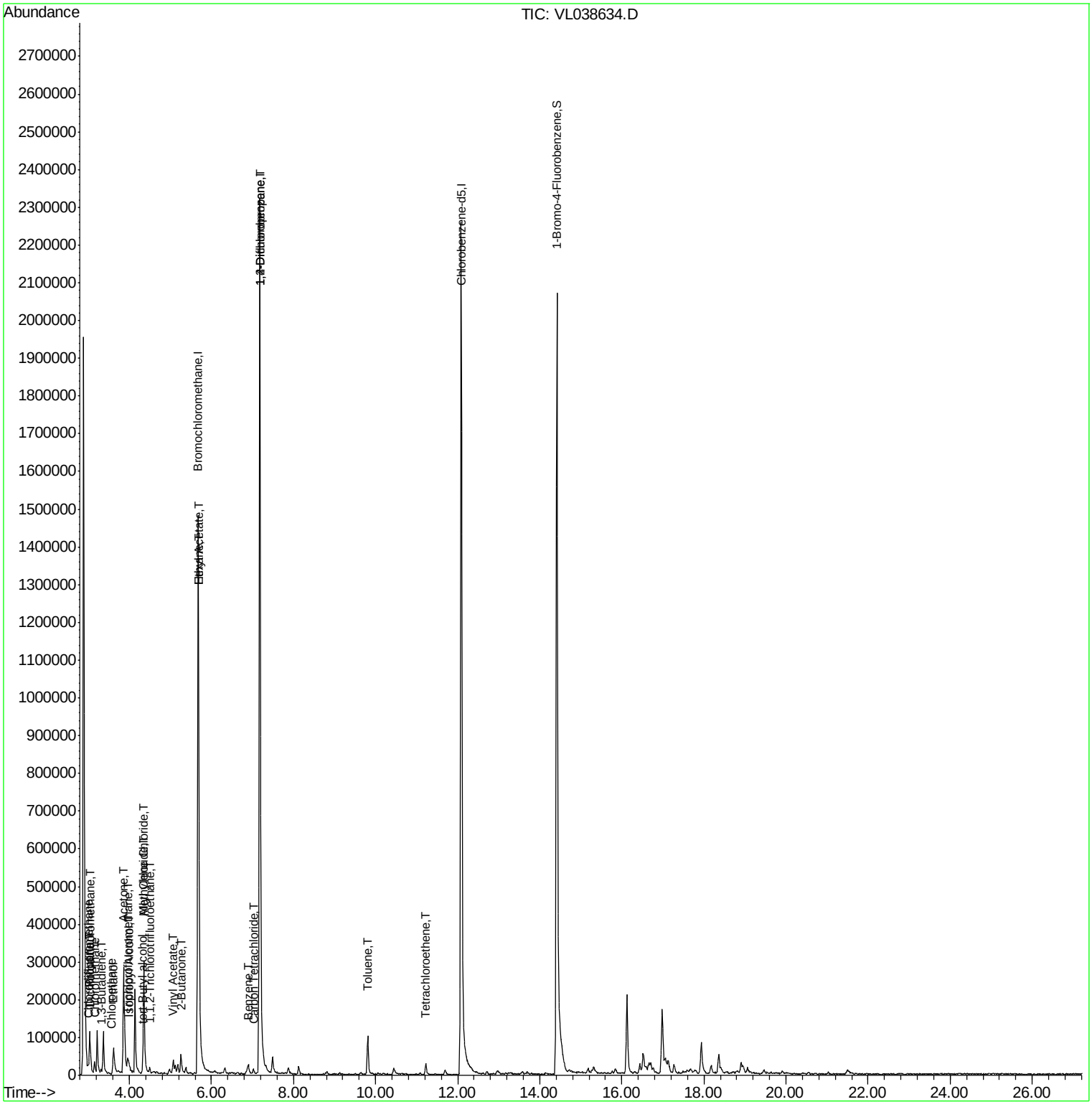
(#) = qualifier out of range (m) = manual integration (+) = signals summed

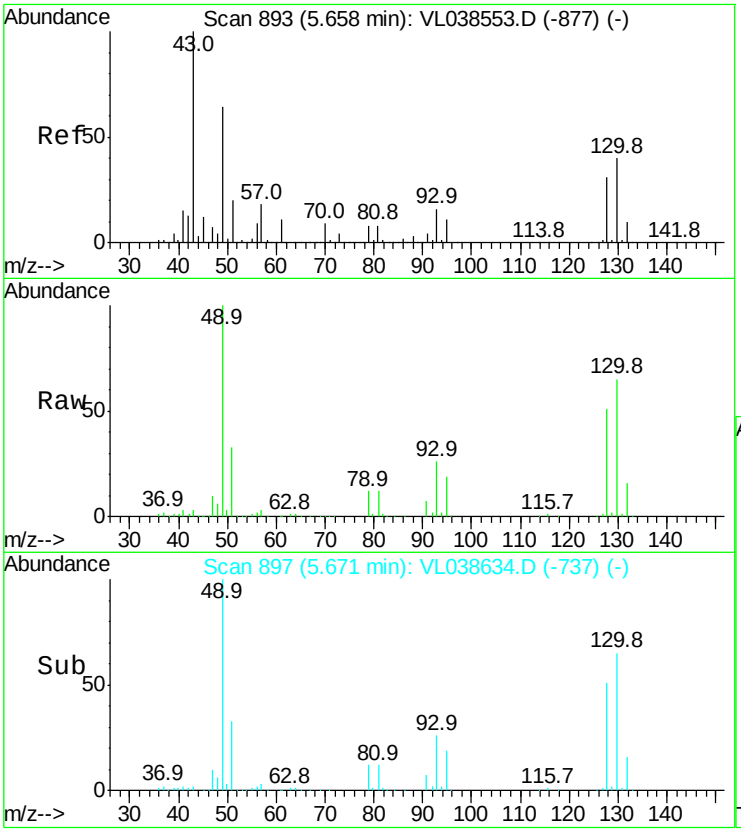
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038634.D
Acq On : 17 Mar 2022 20:27
Operator : SY/AP
Sample : N2003-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Quant Time: Mar 18 03:36:26 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



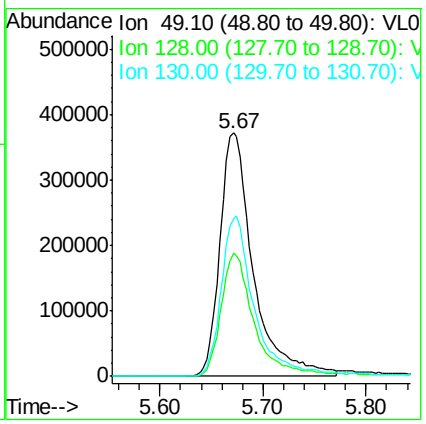


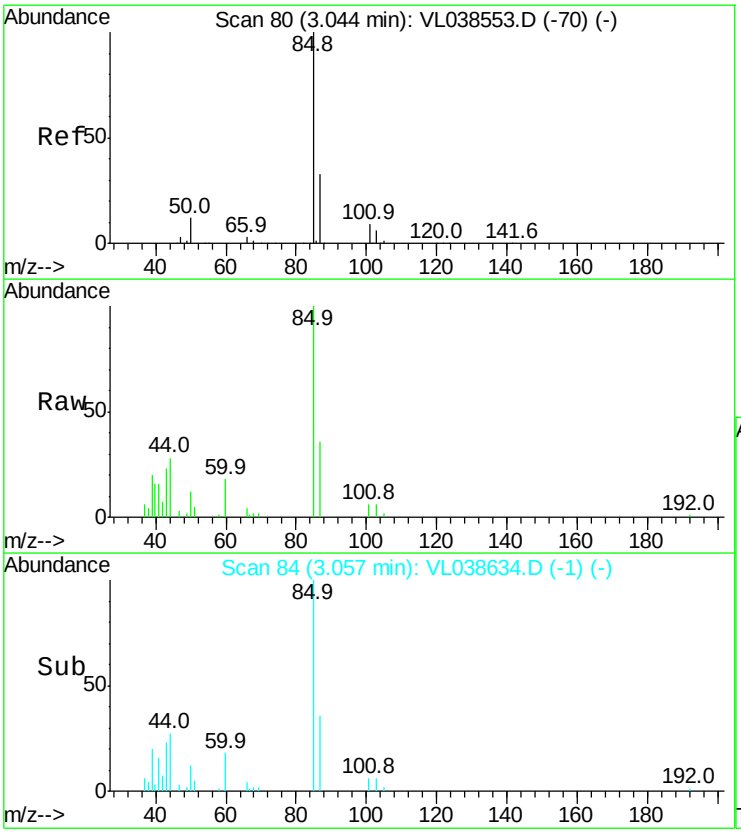
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 49 Resp: 839639

Ion	Ratio	Lower	Upper
49	100		
128	51.8	26.4	79.2
130	68.0	33.0	98.9

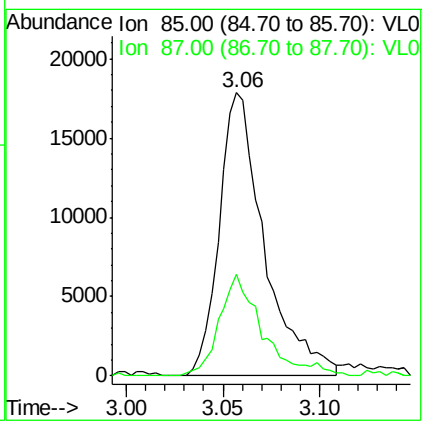


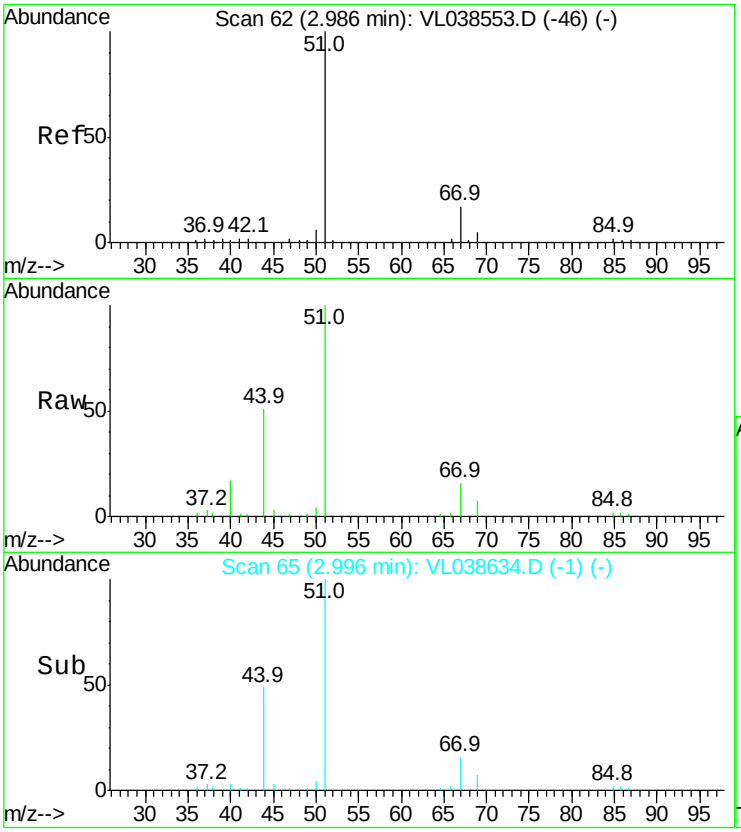


#2
Dichlorodifluoromethane
Concen: 0.23 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 85 Resp: 28840

Ion	Ratio	Lower	Upper
85	100		
87	35.0	26.2	39.2



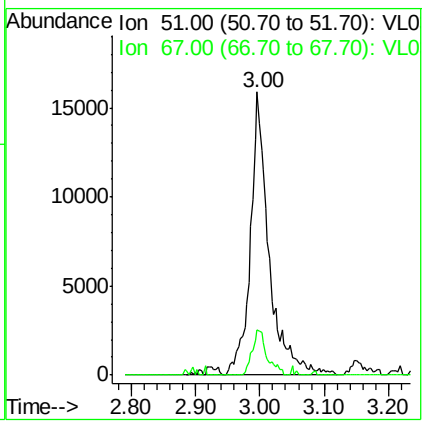


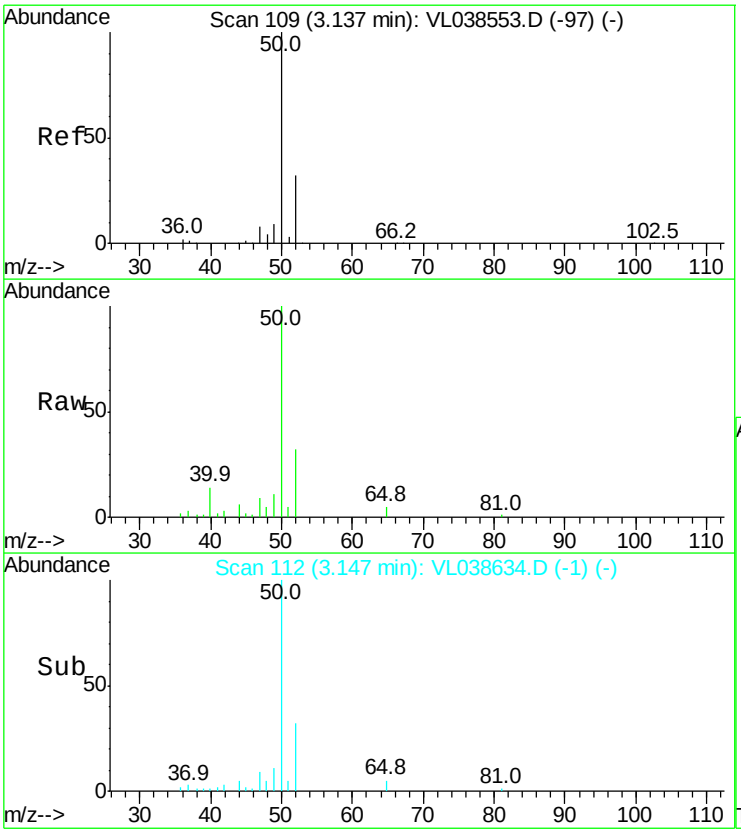
#3
Chlorodifluoromethane
Concen: 0.22 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 51 Resp: 32465

Ion	Ratio	Lower	Upper
51	100		
67	12.5	13.6	20.4#

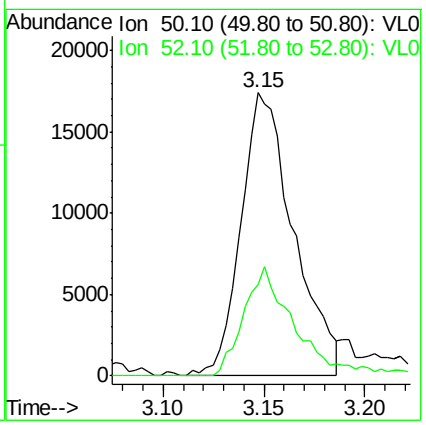


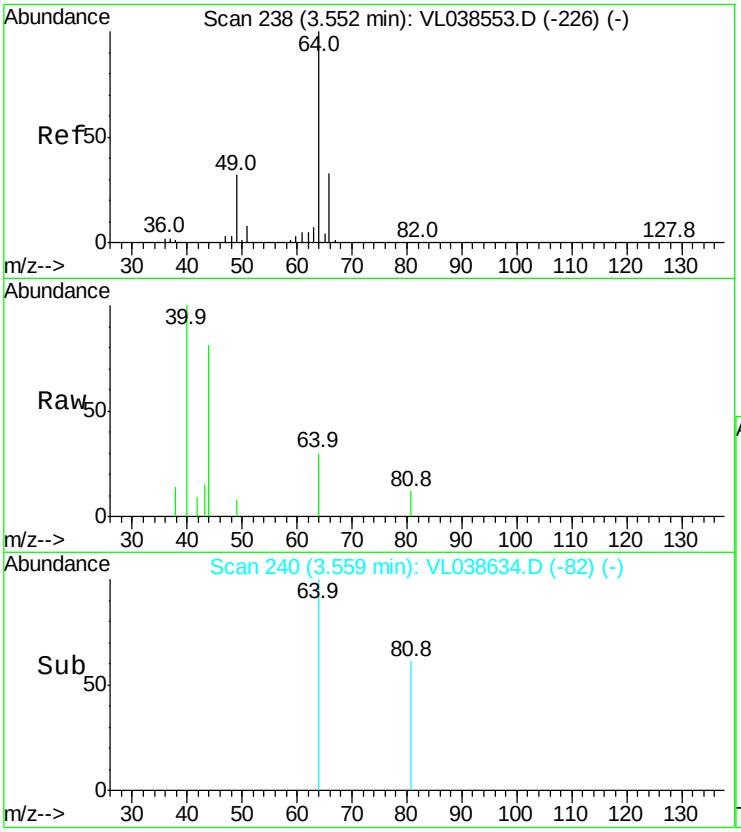


#4
Chloromethane
Concen: 0.58 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 50 Resp: 31742

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.6	38.4



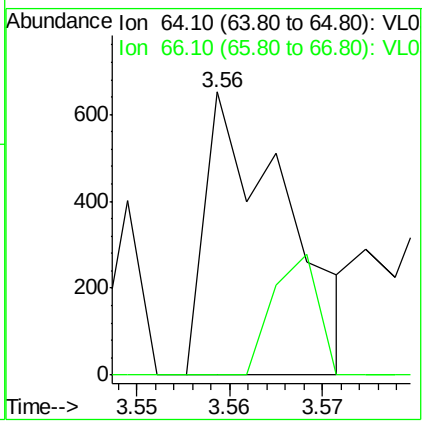


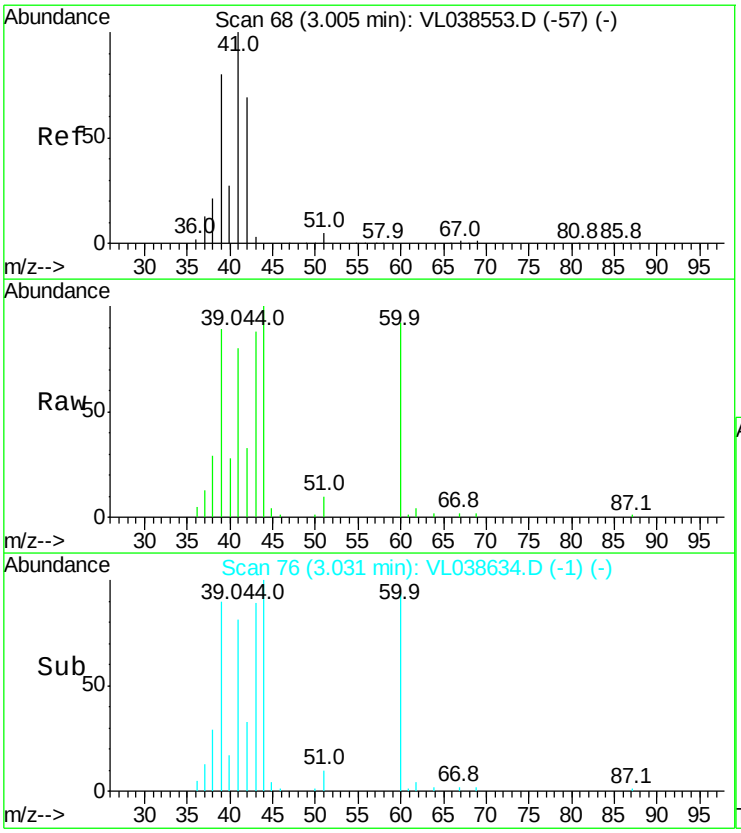
#7
Chloroethane
Concen: 0.02 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 64 Resp: 396

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.6	39.8#

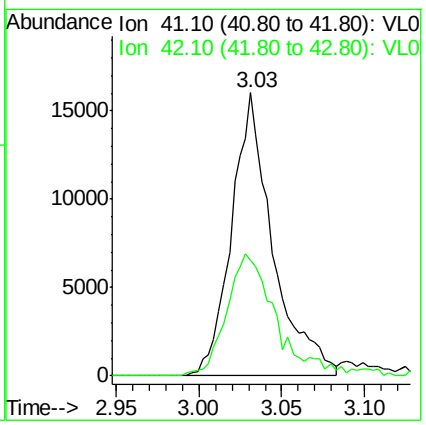


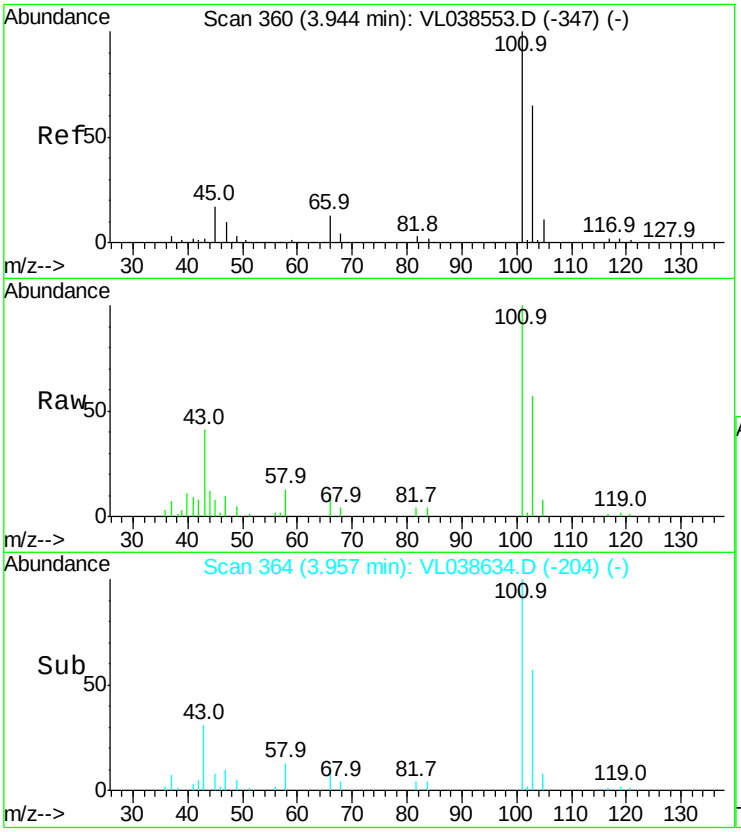


#9
Propene
Concen: 0.53 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.03 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 41 Resp: 27786

Ion	Ratio	Lower	Upper
41	100		
42	52.6	55.7	83.5#



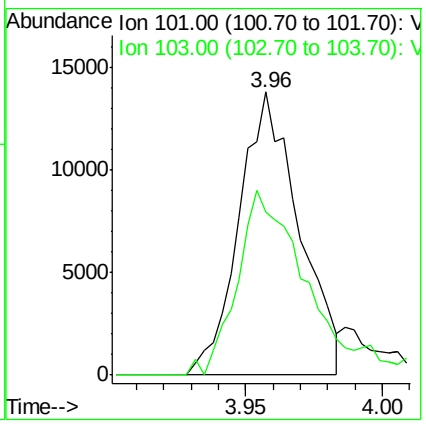


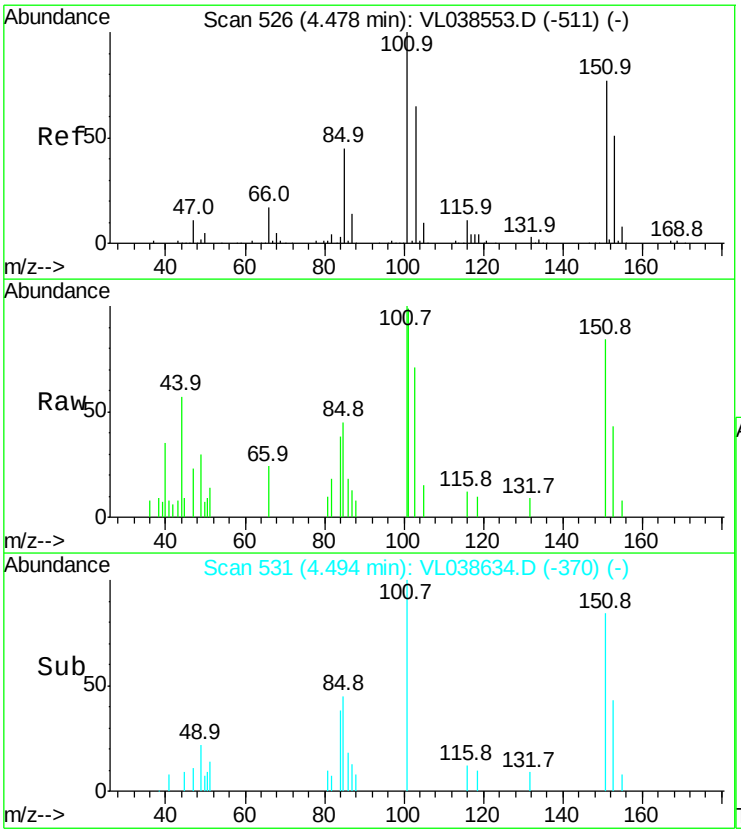
#11
Trichlorofluoromethane
Concen: 0.19 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion:101 Resp: 21064

Ion	Ratio	Lower	Upper
101	100		
103	57.5	52.0	78.0

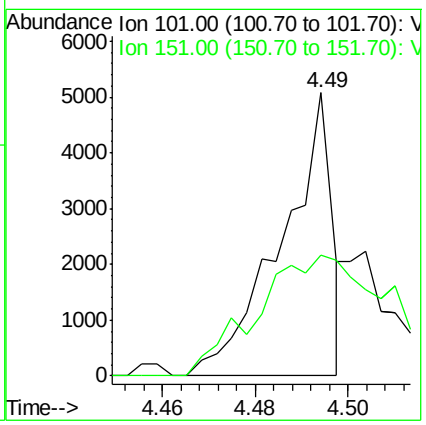


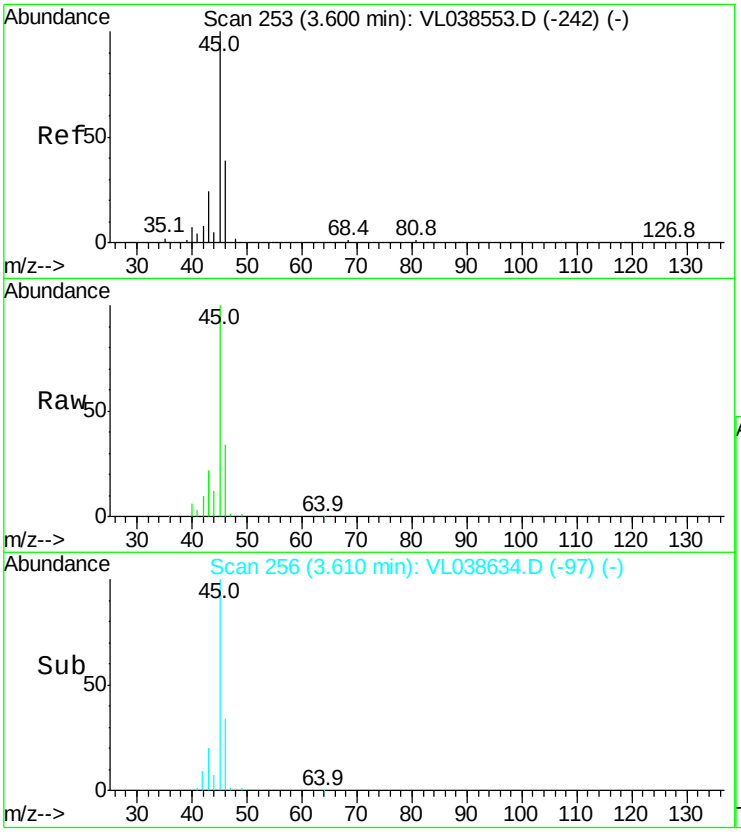


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.04 ppbv
RT: 4.49 min Scan# 531
Delta R.T. 0.02 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion:101 Resp: 3821

Ion	Ratio	Lower	Upper
101	100		
151	117.0	63.4	95.0#



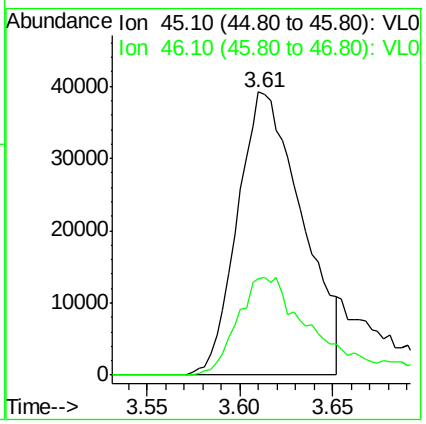


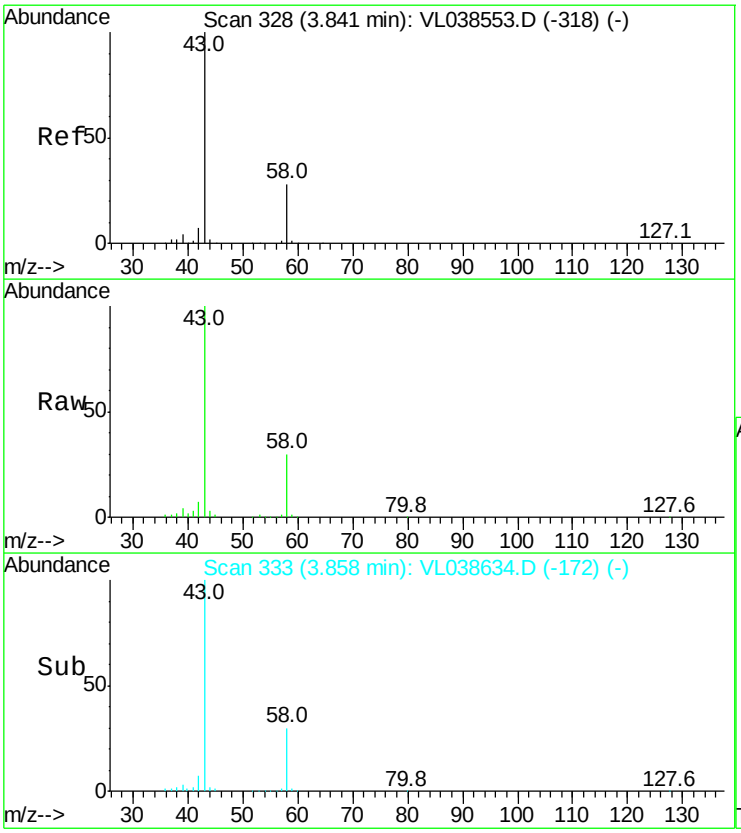
#13
Ethanol
Concen: 15.85 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 45 Resp: 95145

Ion	Ratio	Lower	Upper
45	100		
46	41.5	16.8	67.0

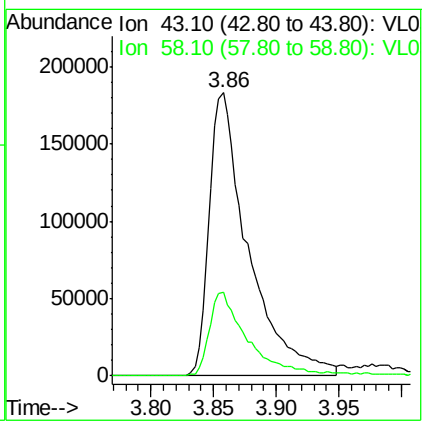


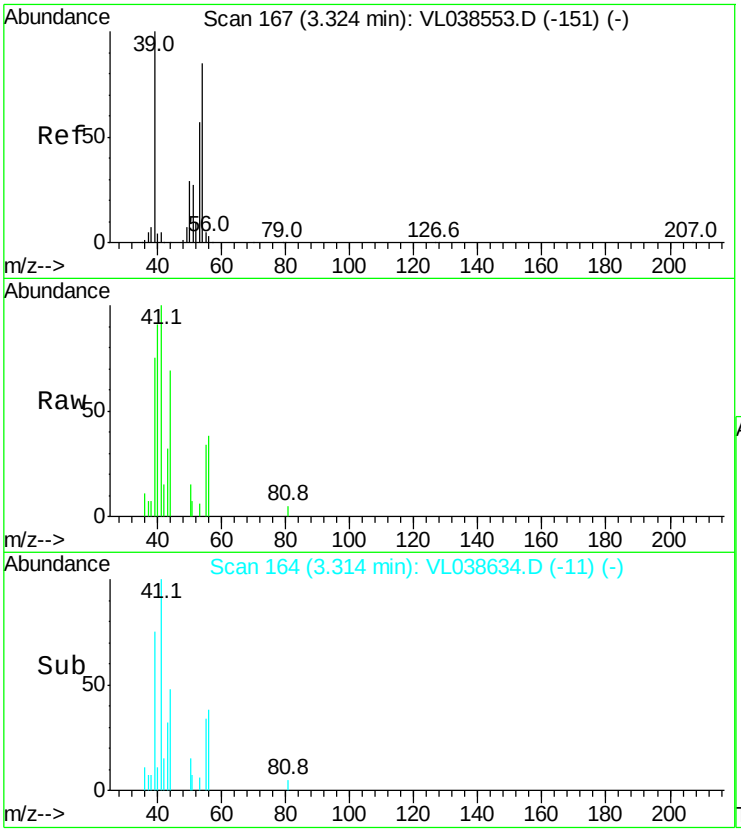


#15
Acetone
Concen: 6.66 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 43 Resp: 394706

Ion	Ratio	Lower	Upper
43	100		
58	30.9	22.7	34.1



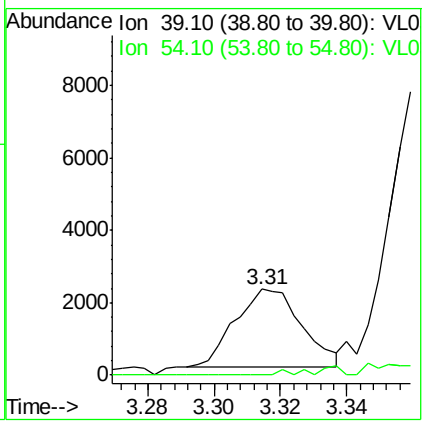


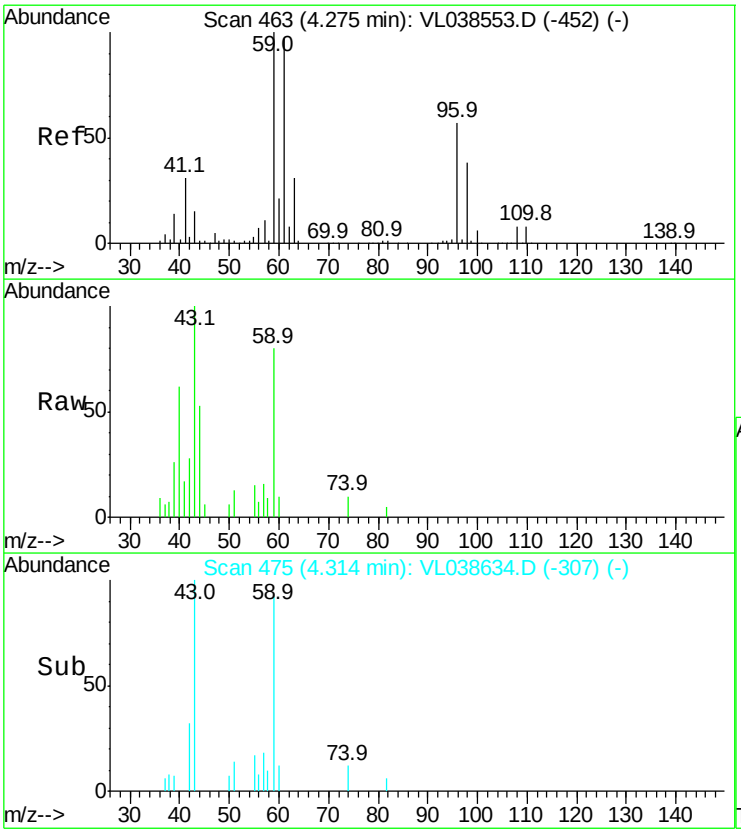
#16
1,3-Butadiene
Concen: 0.06 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 39 Resp: 3041

Ion	Ratio	Lower	Upper
39	100		
54	2.2	64.2	96.2#

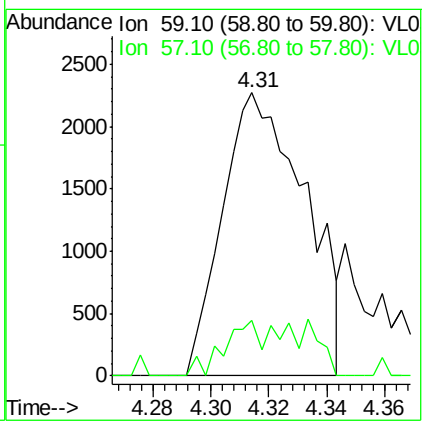


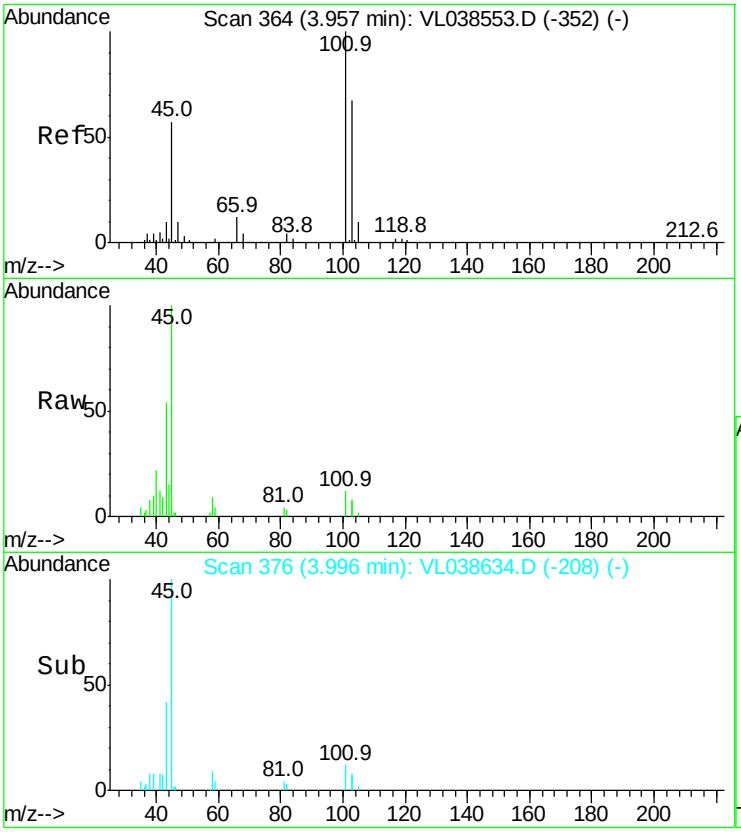


#17
tert-Butyl alcohol
Concen: 0.07 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.04 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 59 Resp: 4493

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



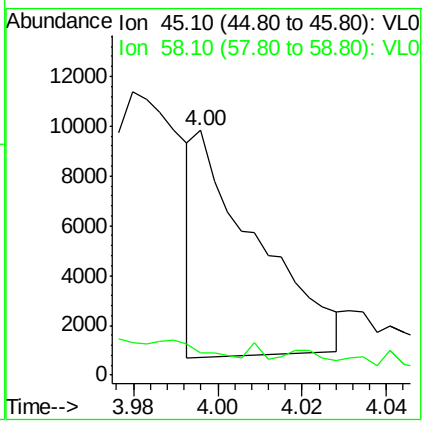


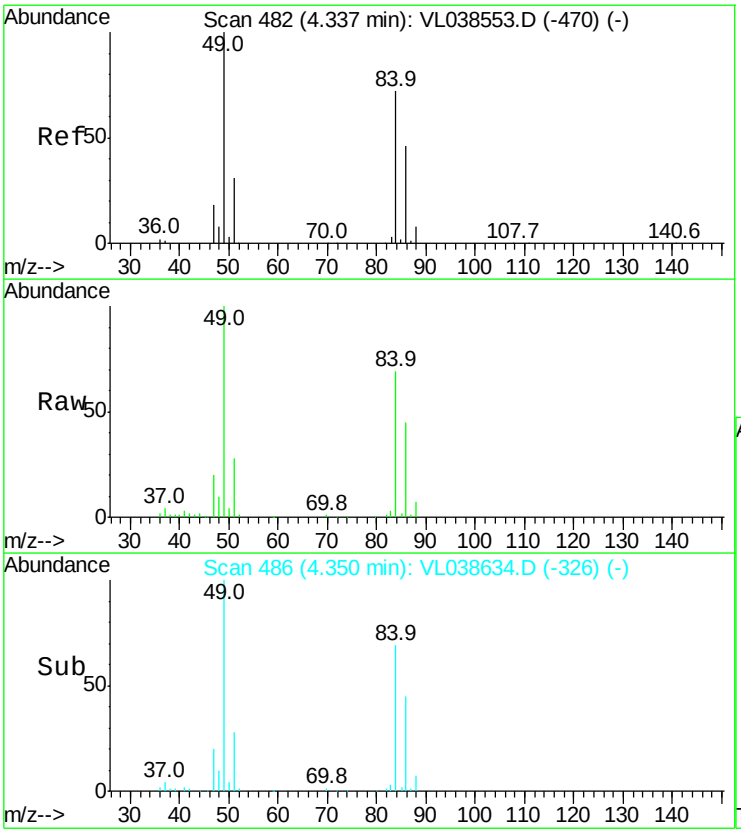
#19
Isopropyl Alcohol
Concen: 0.24 ppbv
RT: 4.00
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 45 Resp: 9314

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#

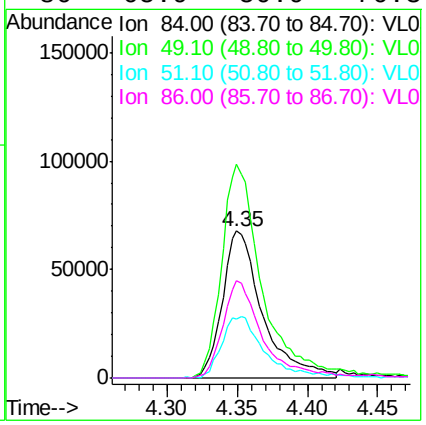


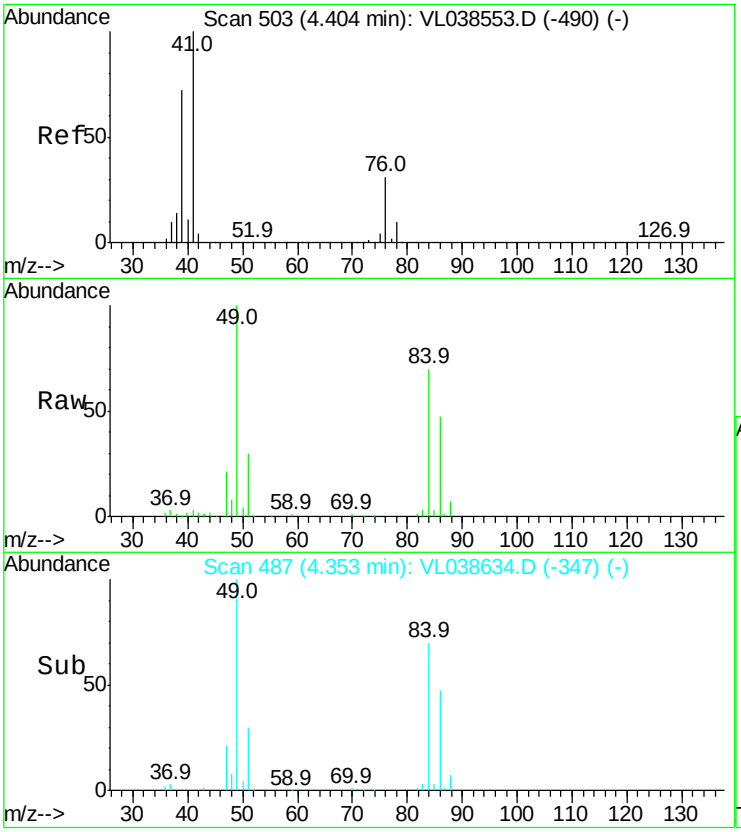


#20
Methylene Chloride
Concen: 3.78 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 84 Resp: 134636

Ion	Ratio	Lower	Upper
84	100		
49	145.6	111.1	166.7
51	39.7	34.0	51.0
86	65.9	50.9	76.3



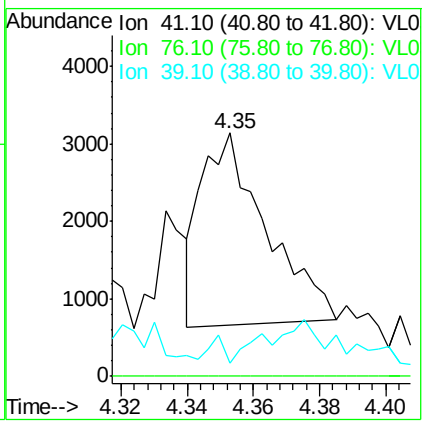


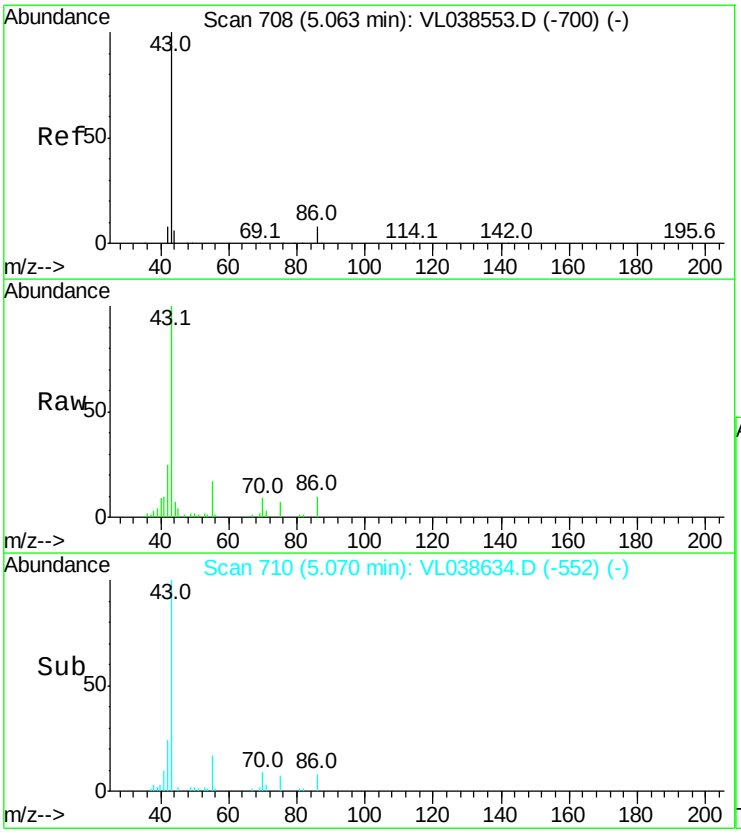
#21
Allyl Chloride
Concen: 0.06 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 41 Resp: 3359

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	38.2	57.1	85.7#

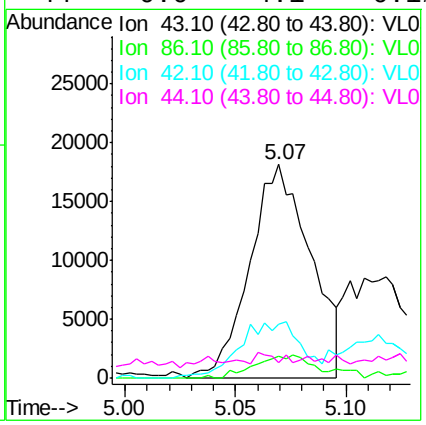


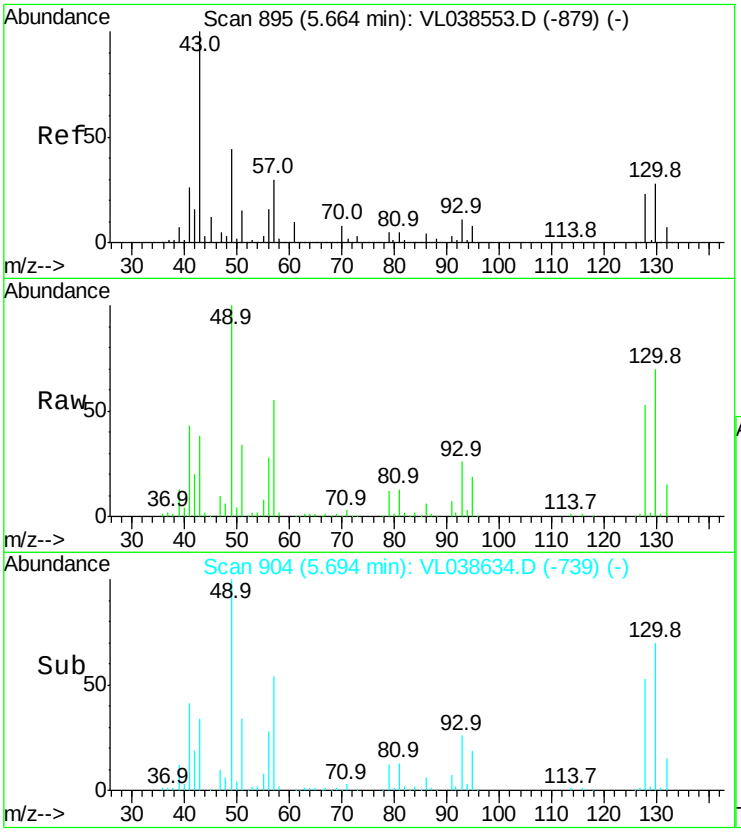


#23
Vinyl Acetate
Concen: 0.41 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.01 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 43 Resp: 34679

Ion	Ratio	Lower	Upper
43	100		
86	10.2	5.6	8.4#
42	24.2	7.1	10.7#
44	0.0	4.1	6.1#



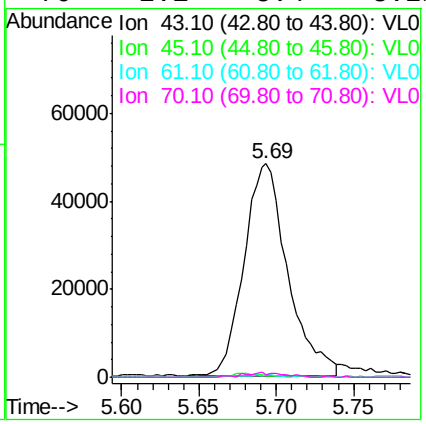


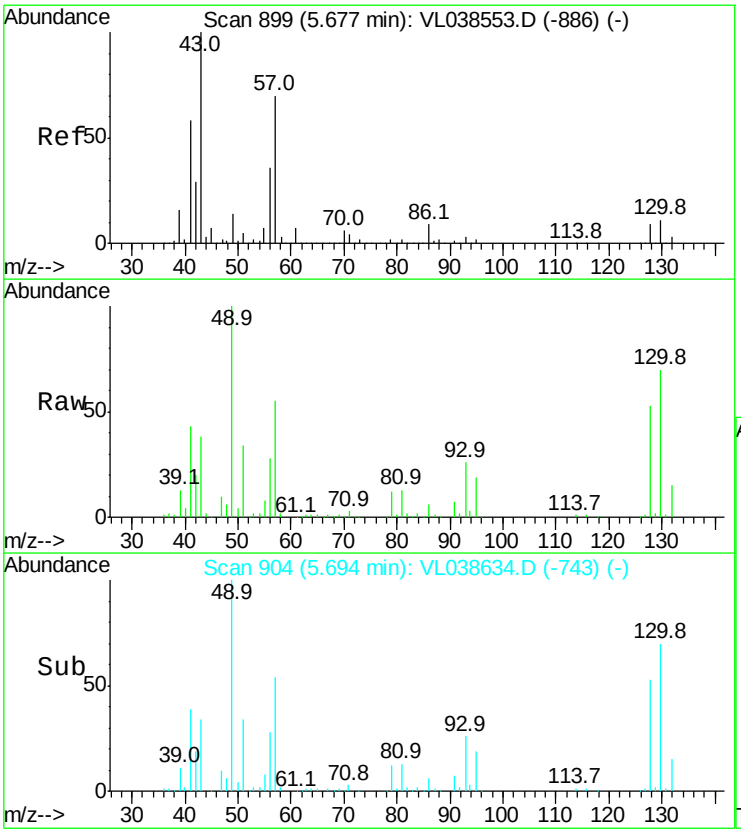
#25
Ethyl Acetate
Concen: 0.48 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 43 Resp: 95649

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.0	12.0#
61	1.0	8.2	12.4#
70	2.1	5.4	8.2#

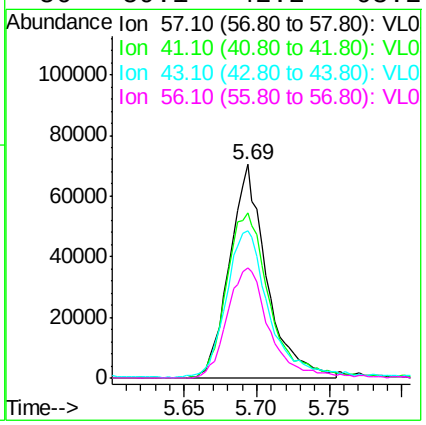


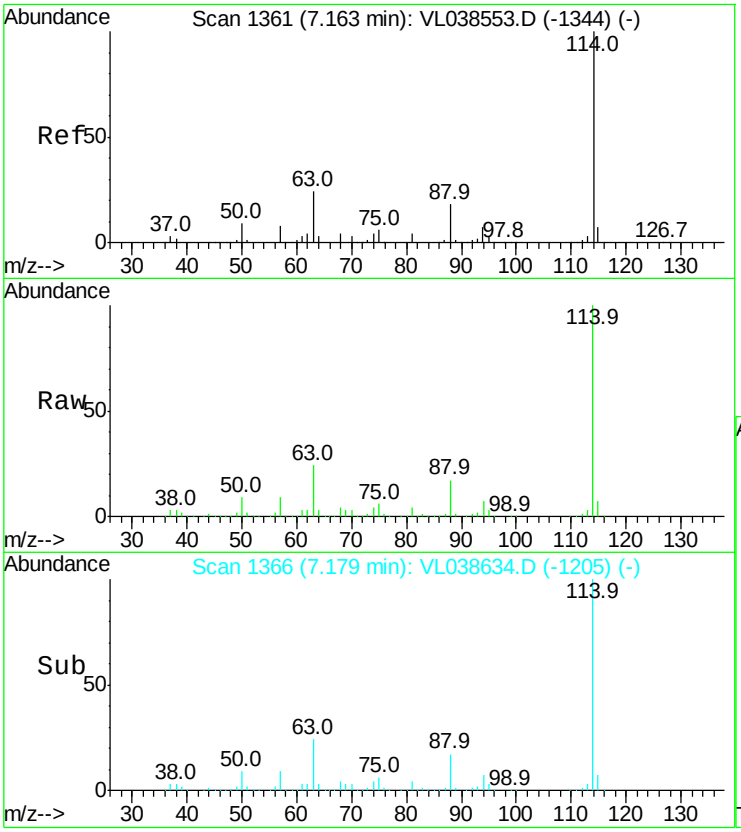


#26
Hexane
Concen: 1.34 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 57 Resp: 125627

Ion	Ratio	Lower	Upper
57	100		
41	92.1	67.8	101.6
43	79.2	173.6	260.4#
56	59.1	42.2	63.2



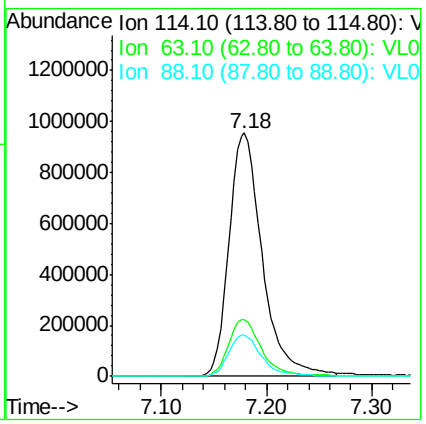


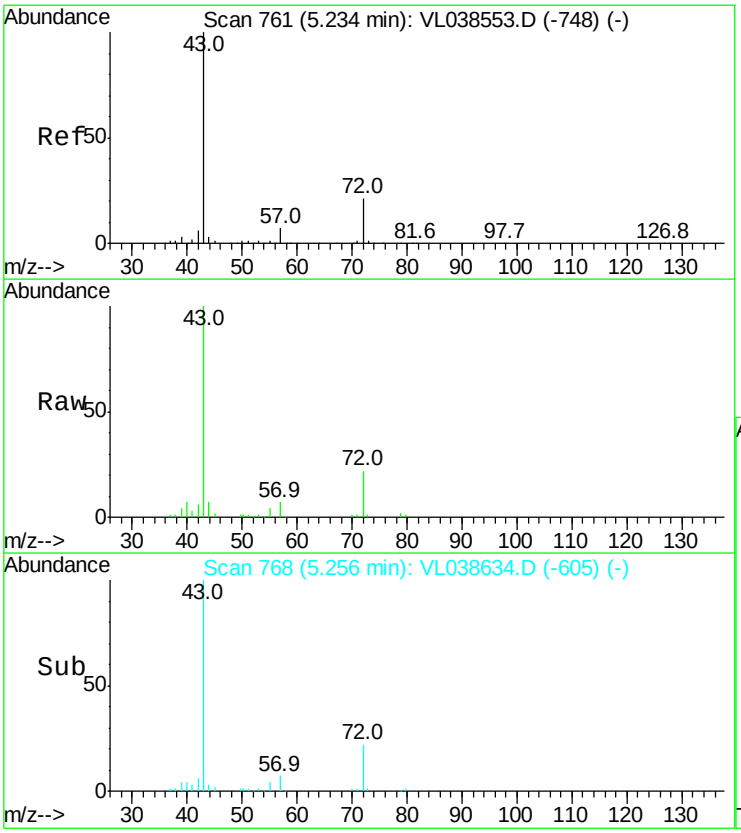
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion:114 Resp: 2087255

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.6	29.4
88	17.2	13.9	20.9

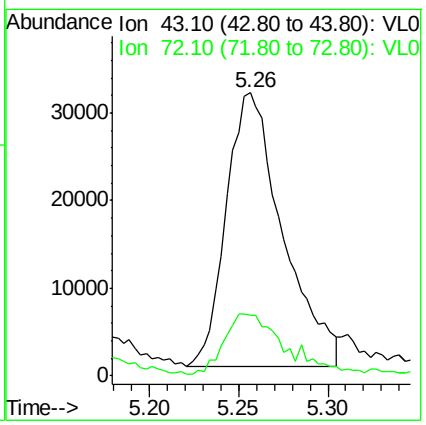


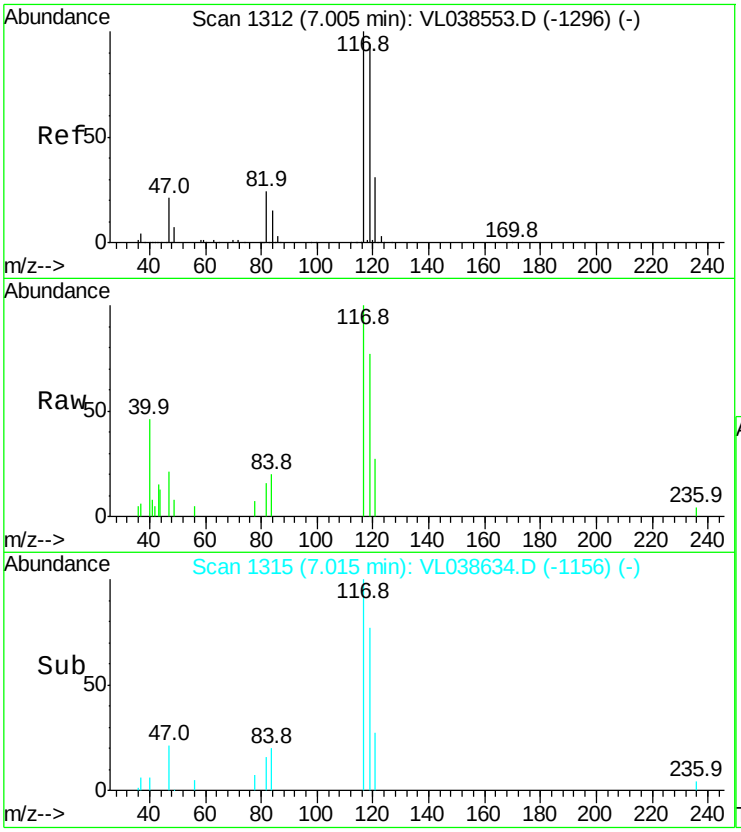


#34
2-Butanone
Concen: 1.28 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.02 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 43 Resp: 69086

Ion	Ratio	Lower	Upper
43	100		
72	26.7	17.8	26.6#



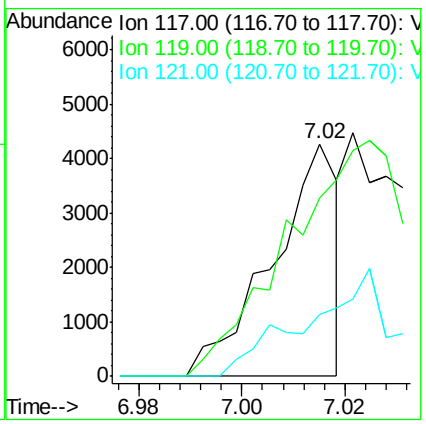


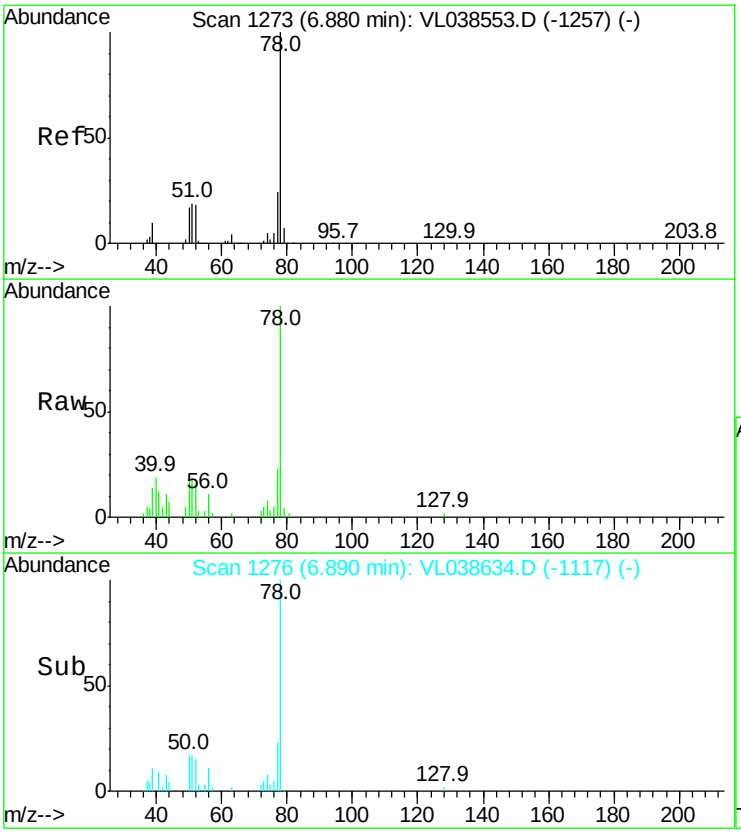
#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.02
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion:117 Resp: 3770

Ion	Ratio	Lower	Upper
117	100		
119	77.0	75.2	112.8
121	26.6	24.8	37.2

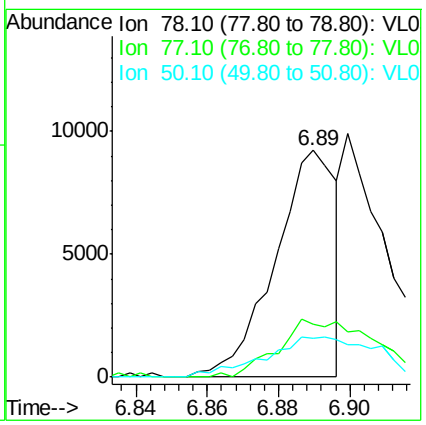


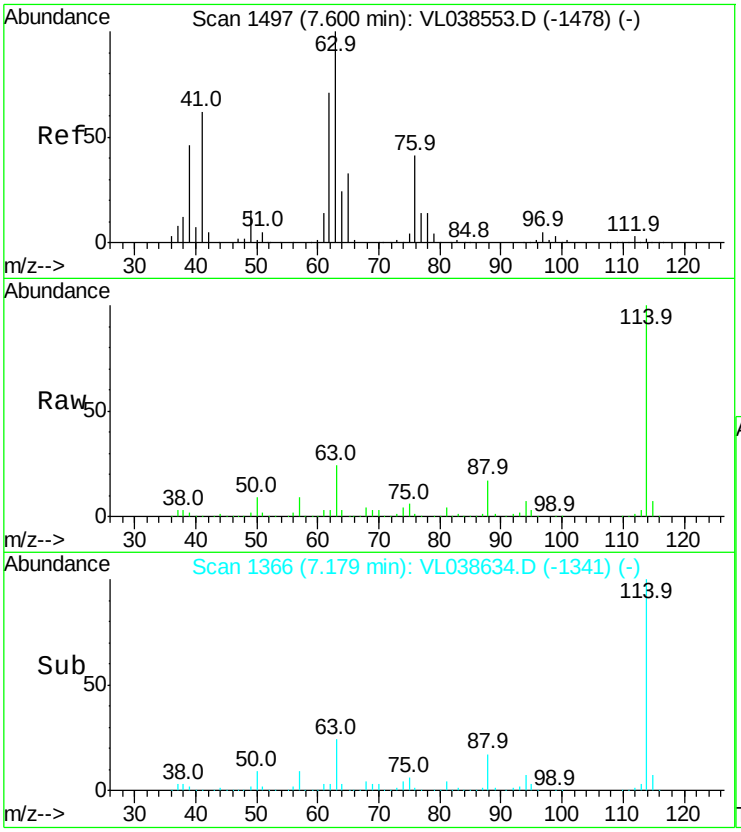


#36
Benzene
Concen: 0.06 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion: 78 Resp: 10892

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4
50	17.4	13.9	20.9



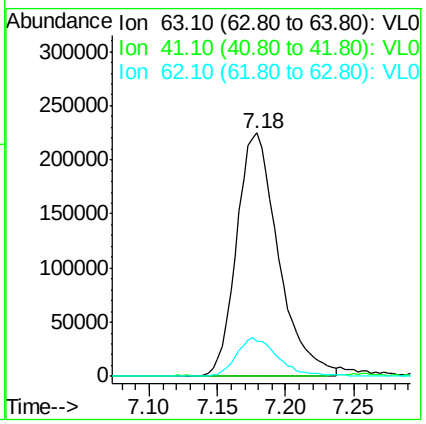


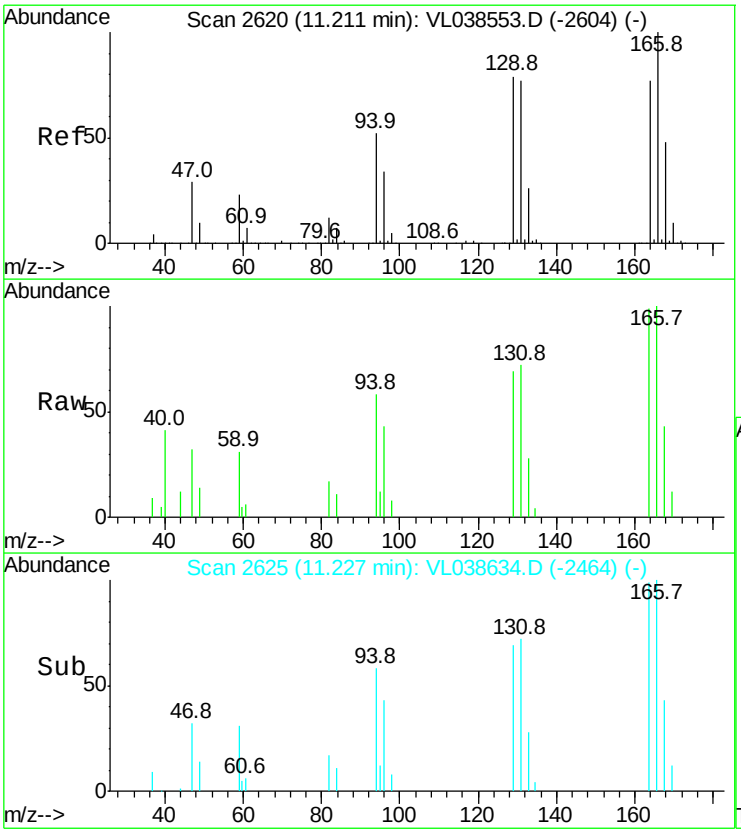
#39
1,2-Dichloropropane
Concen: 6.62 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 63 Resp: 479592

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	14.3	56.7	85.1#

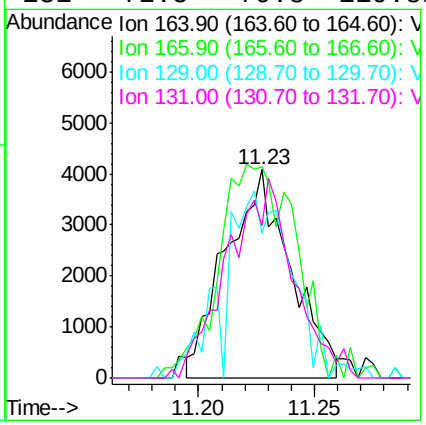


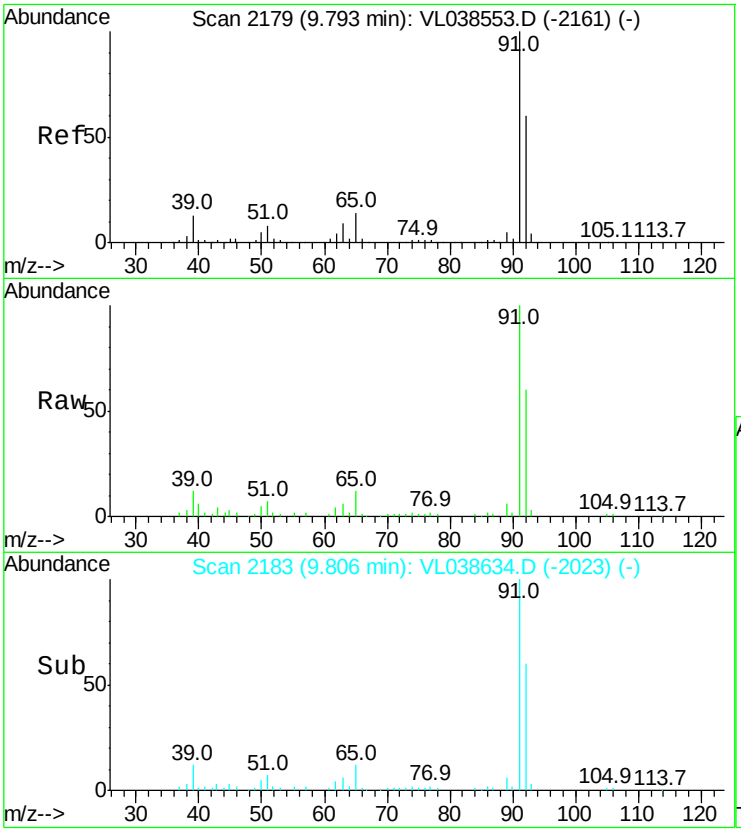


#52
Tetrachloroethene
Concen: 0.11 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.02 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion:164 Resp: 7917

Ion	Ratio	Lower	Upper
164	100		
166	99.6	103.4	155.2#
129	69.6	81.3	121.9#
131	72.5	79.8	119.8#



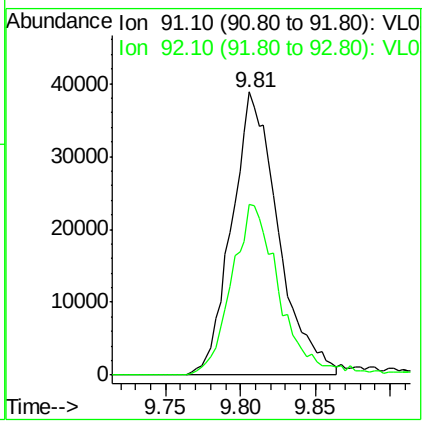


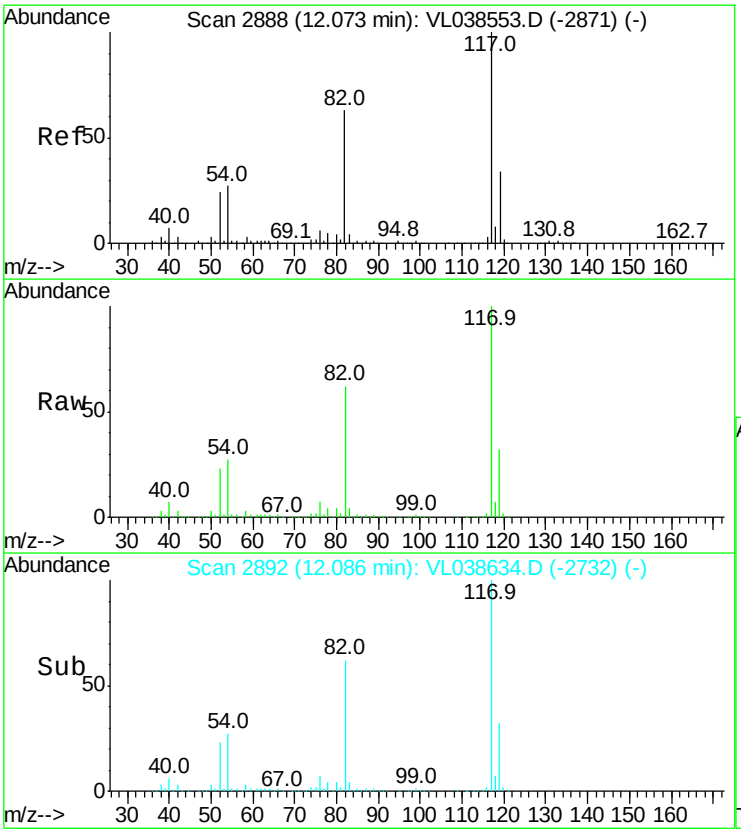
#53
Toluene
Concen: 0.42 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 91 Resp: 84029

Ion	Ratio	Lower	Upper
91	100		
92	62.8	48.1	72.1

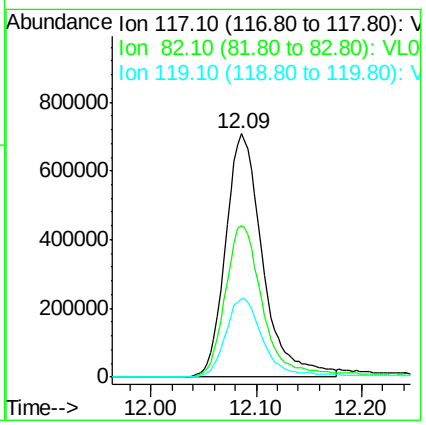


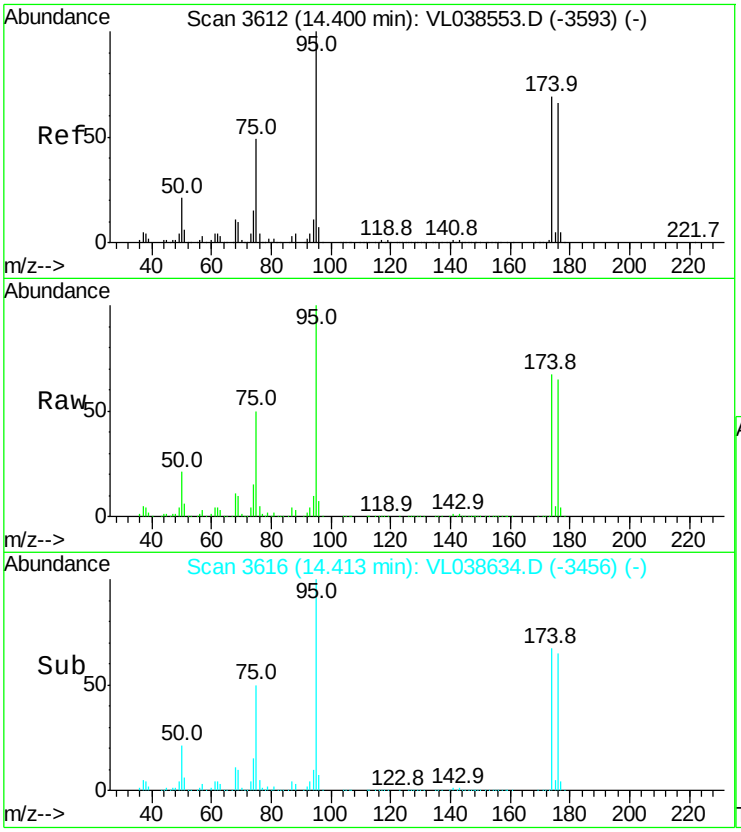


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.01 min
Lab File: VL038634.D
Acq: 17 Mar 2022 20:27

Tgt Ion:117 Resp: 1729493

Ion	Ratio	Lower	Upper
117	100		
82	65.5	52.5	78.7
119	34.6	46.4	69.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.17 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 17 Mar 2022 20:27

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Tgt Ion: 95 Resp: 1205877

Ion	Ratio	Lower	Upper
95	100		
174	73.6	56.2	84.4
175	5.2	4.2	6.2