Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038633.D
Acq On : 17 Mar 2022 19:46
Operator : SY/AP
Sample : N1965-12
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0PA9

Quant Time: Mar 18 03:35:47 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	862196	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.18	114	2163864	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	1952560	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1414334	9.53	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	31393	0.24	ppbv		99
3) Chlorodifluoromethane	3.00	51	29062	0.19	ppbv		96
4) Chloromethane	3.15	50	25358	0.45	ppbv		98
9) Propene	3.02	41	72026	1.34	ppbv		93
10) Heptane	8.13	43	5308	0.04	ppbv	#	28
11) Trichlorofluoromethane	3.96	101	23516	0.21	ppbv		99
13) Ethanol	3.61	45	87432	14.19	ppbv		100
15) Acetone	3.85	43	2842315	46.74	ppbv		92
16) 1,3-Butadiene	3.32	39	135679	2.78	ppbv	#	19
17) tert-Butyl alcohol	4.30	59	38518	0.58	ppbv	#	91
19) Isopropyl Alcohol	3.97	45	27257	0.67	ppbv	#	92
20) Methylene Chloride	4.35	84	30986	0.85	ppbv		99
21) Allyl Chloride	4.31	41	4005	0.07	ppbv	#	48
23) Vinyl Acetate	5.06	43	37837	0.43	ppbv	#	53
25) Ethyl Acetate	5.69	43	39084	0.19	ppbv	#	94
26) Hexane	5.69	57	38686	0.40	ppbv	#	49
27) Carbon Disulfide	4.56	76	6288	0.07	ppbv	#	57
29) Chloroform	5.76	83	5453	0.04	ppbv		97
32) 1,1,1-Trichloroethane	6.52	97	29546	0.20	ppbv		98
34) 2-Butanone	5.25	43	789493	14.08	ppbv		95
35) Carbon Tetrachloride	7.02	117	4051	0.03	ppbv		96
36) Benzene	6.89	78	14701	0.08	ppbv	#	85
39) 1,2-Dichloropropane	7.18	63	509899	6.79	ppbv	#	27
41) Tetrahydrofuran	6.07	42	27918	0.61	ppbv	#	71
44) 2,2,4-Trimethylpentane	7.87	57	7269	0.02	ppbv	#	1
51) 2-Hexanone	10.15	43	97474	2.01	ppbv	#	99
52) Tetrachloroethene	11.24	164	6018342	84.09	ppbv		96
53) Toluene	9.81	91	465953	2.24	ppbv		99
59) m/p-Xylene	13.00	91	5768	0.03	ppbv	#	30
60) o-Xylene	13.70	91	5487	0.03	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.77	105	4936	0.02	ppbv	#	66

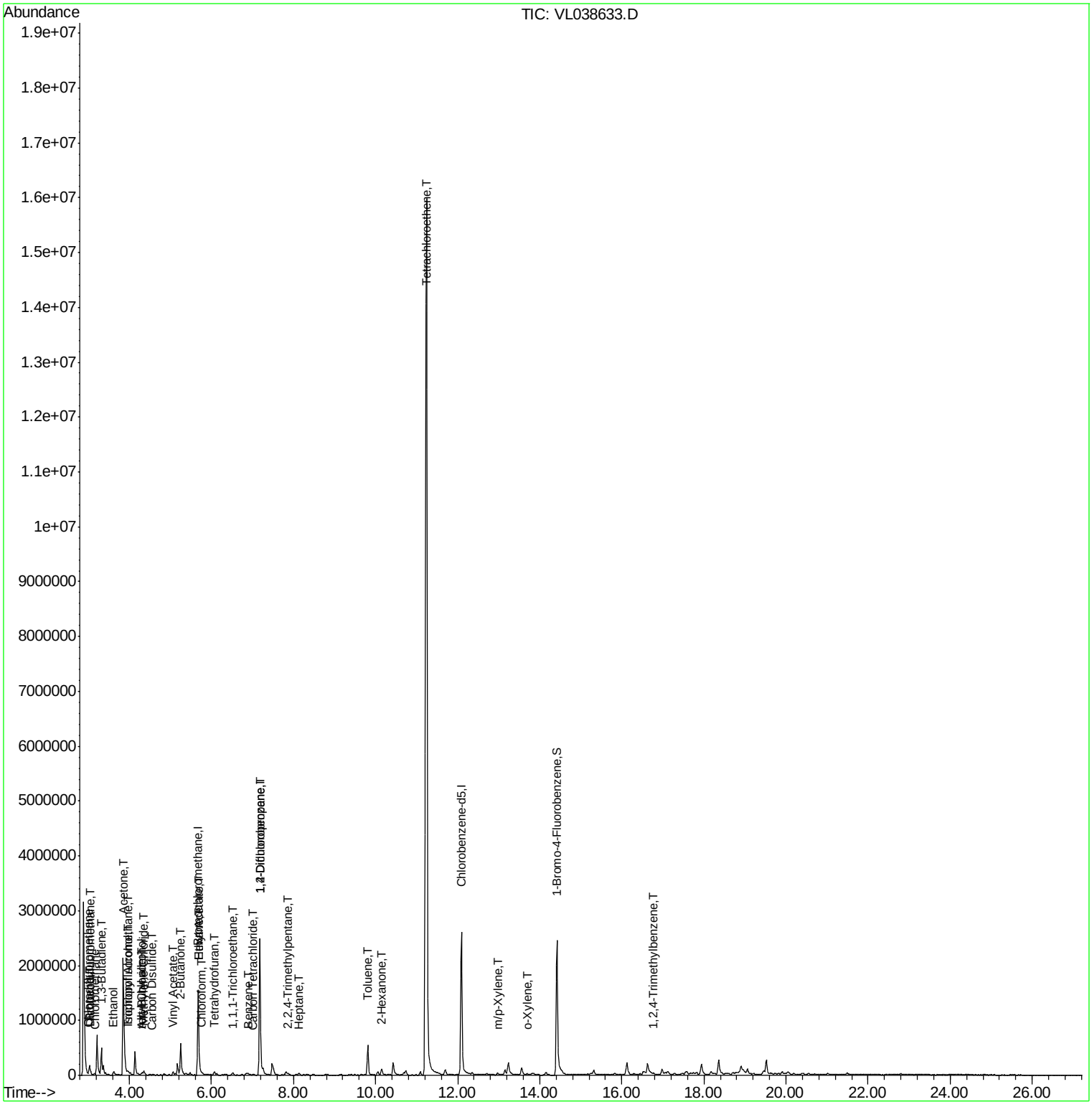
(#) = qualifier out of range (m) = manual integration (+) = signals summed

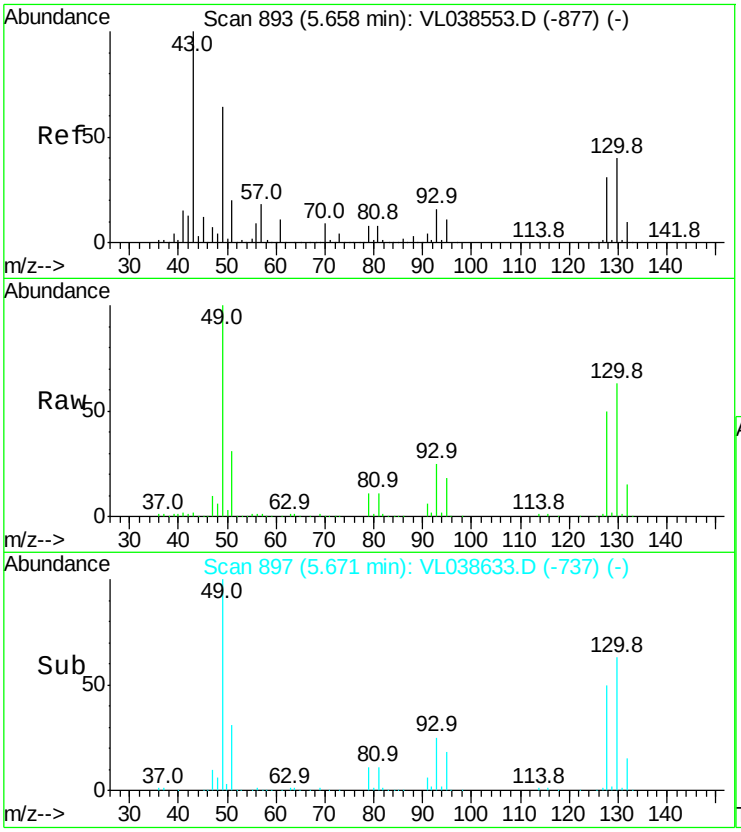
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038633.D
Acq On : 17 Mar 2022 19:46
Operator : SY/AP
Sample : N1965-12
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Quant Time: Mar 18 03:35:47 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



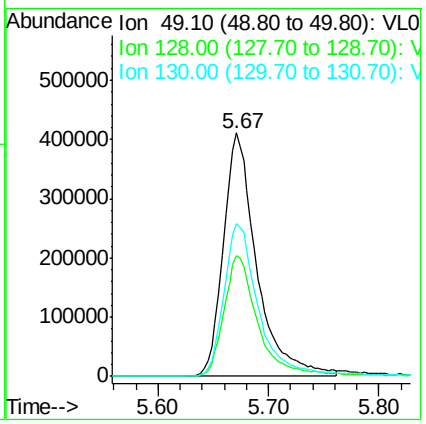


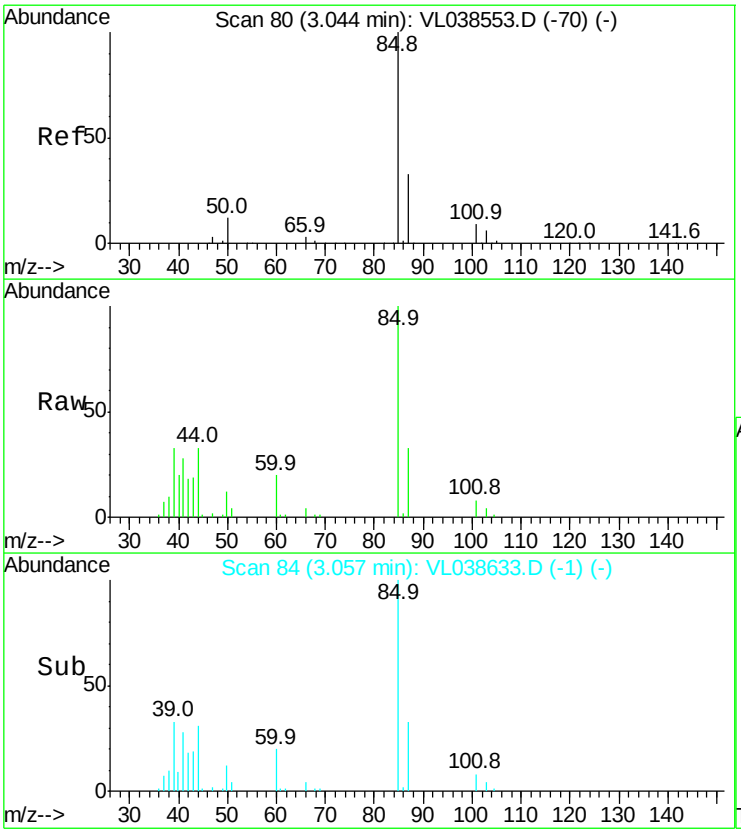
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 49 Resp: 862196

Ion	Ratio	Lower	Upper
49	100		
128	51.0	26.4	79.2
130	66.5	33.0	98.9

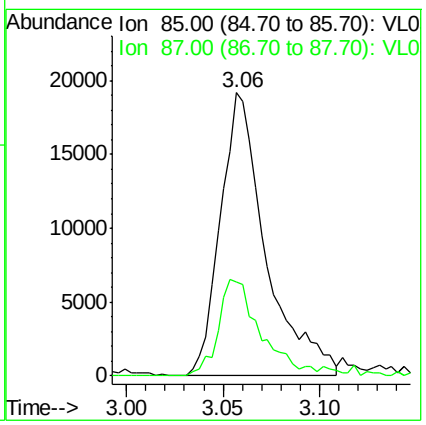


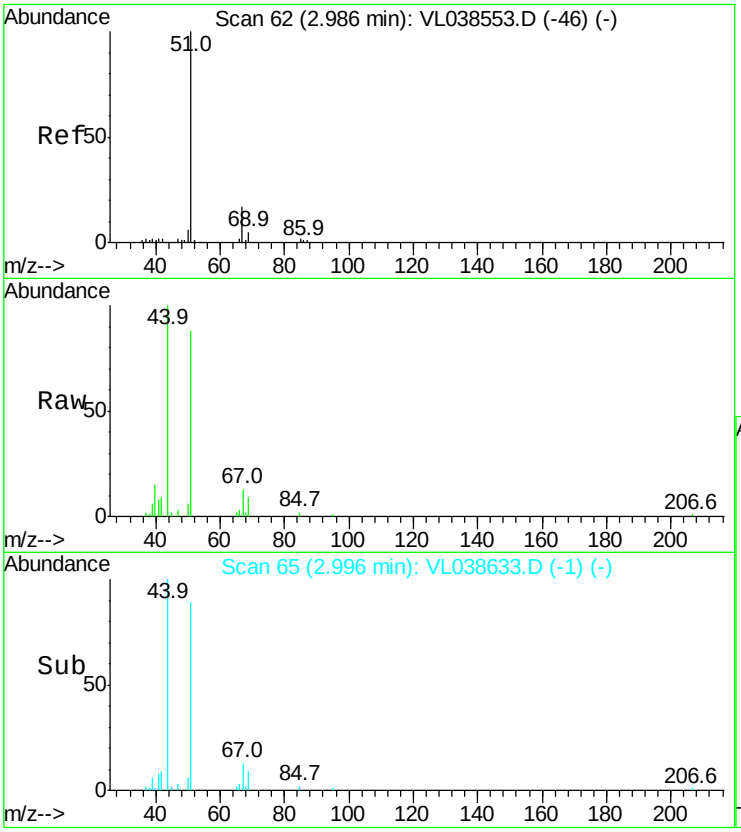


#2
Dichlorodifluoromethane
Concen: 0.24 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 85 Resp: 31393

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.2	39.2



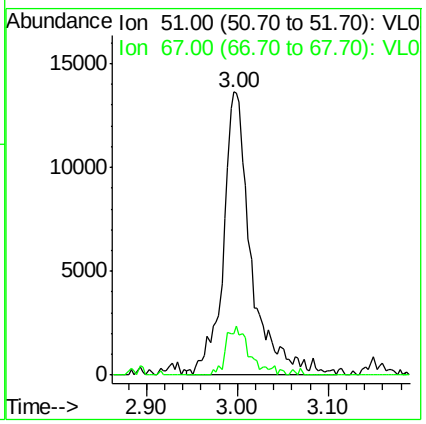


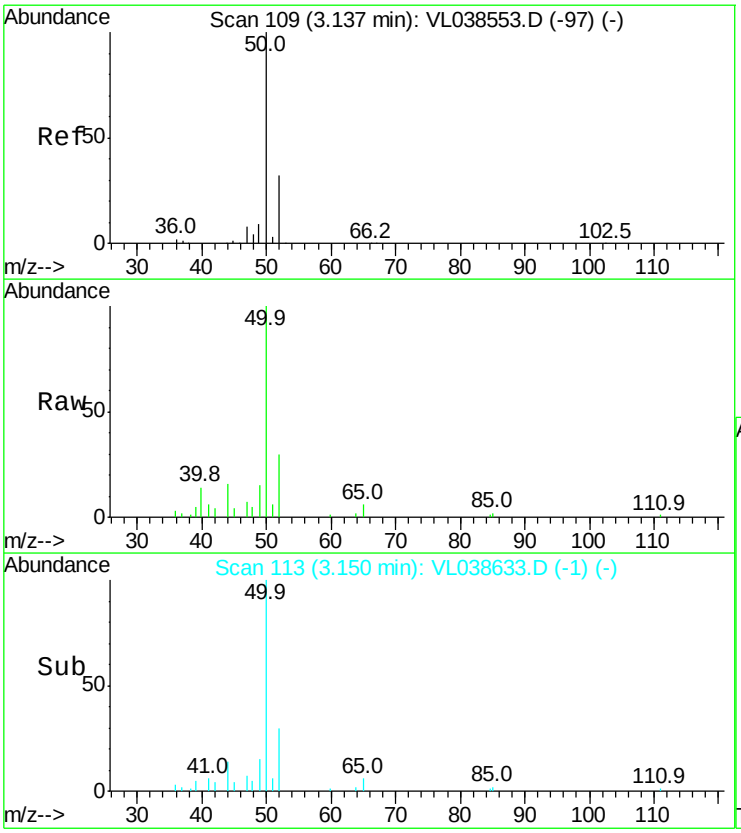
#3
Chlorodifluoromethane
Concen: 0.19 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 51 Resp: 29062

Ion	Ratio	Lower	Upper
51	100		
67	15.3	13.6	20.4

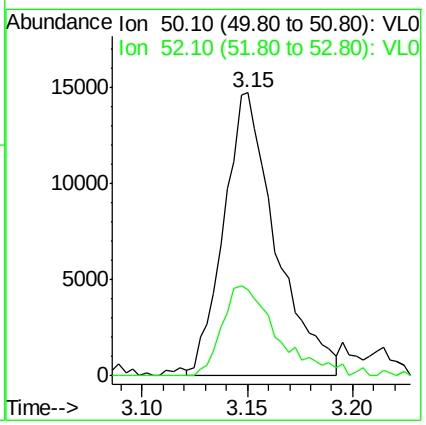


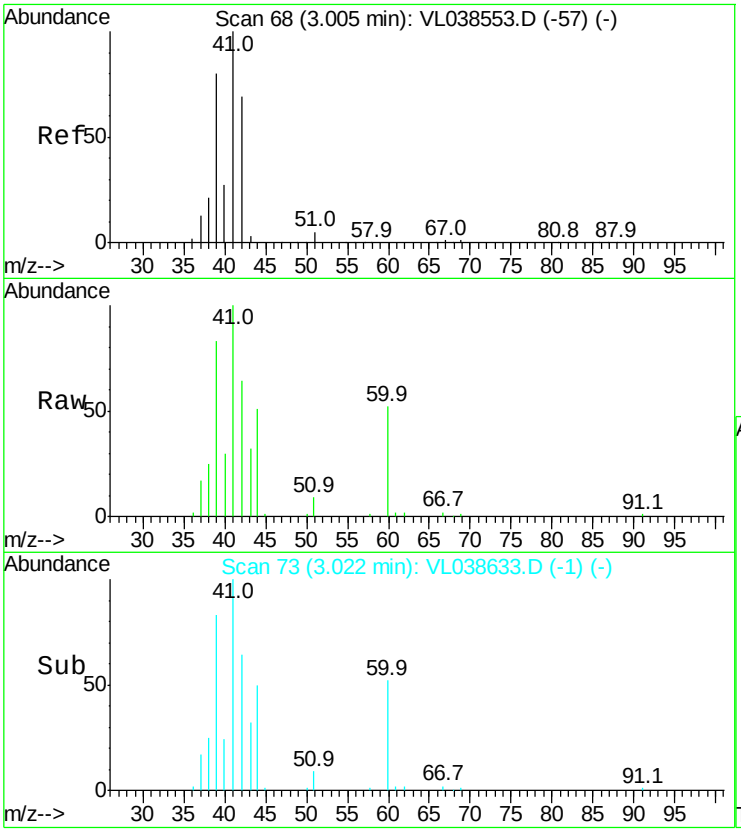


#4
Chloromethane
Concen: 0.45 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 50 Resp: 25358

Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.6	38.4



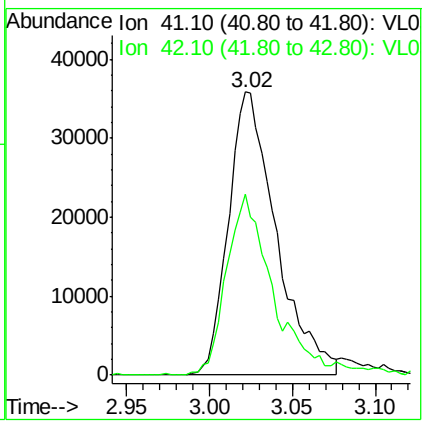


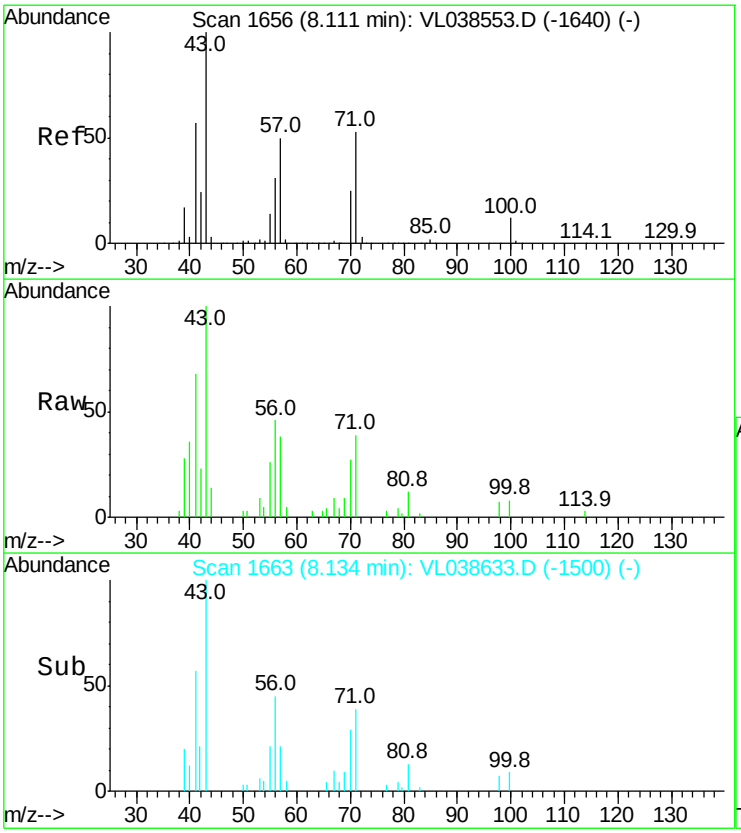
#9
Propene
Concen: 1.34 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 41 Resp: 72026

Ion	Ratio	Lower	Upper
41	100		
42	63.7	55.7	83.5

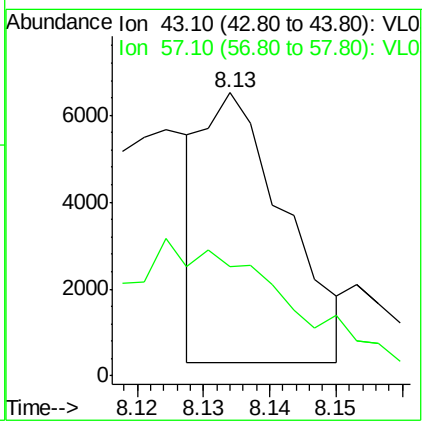


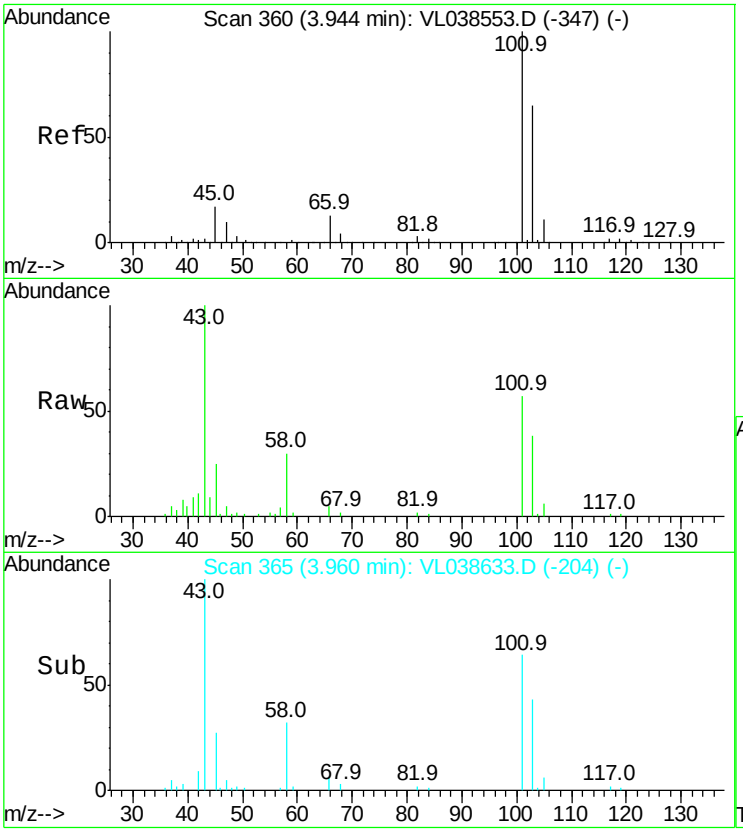


#10
Heptane
Concen: 0.04 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 43 Resp: 5308

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.6	59.4#



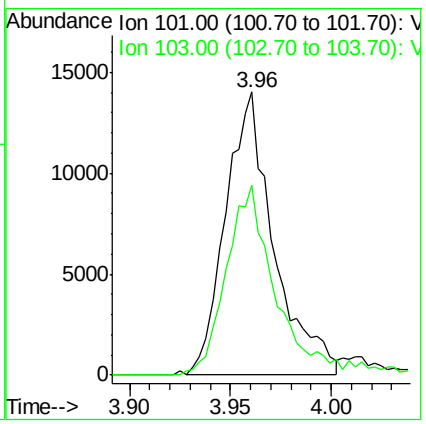


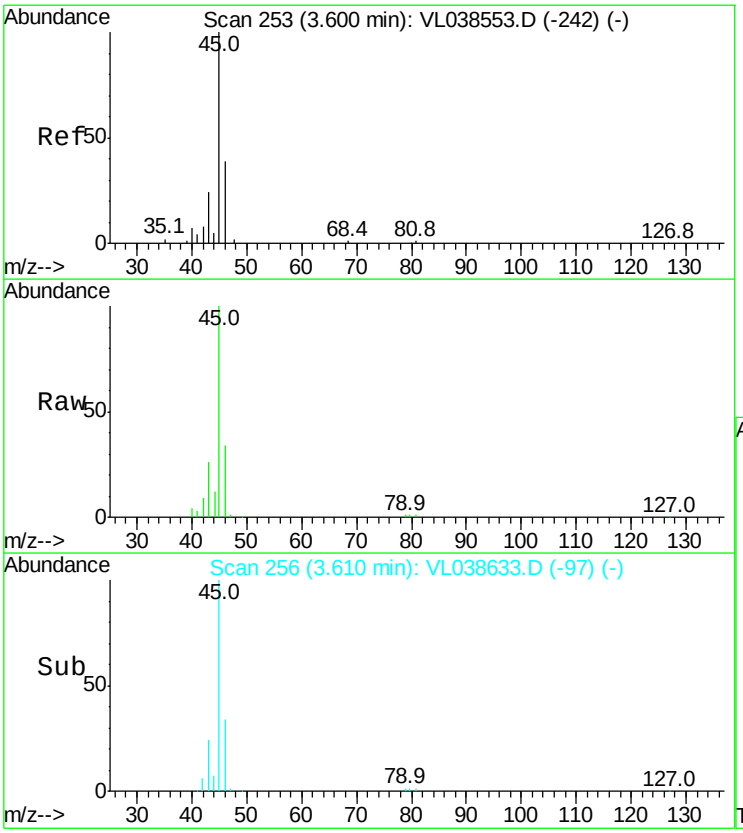
#11
Trichlorofluoromethane
Concen: 0.21 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion:101 Resp: 23516

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.0	78.0

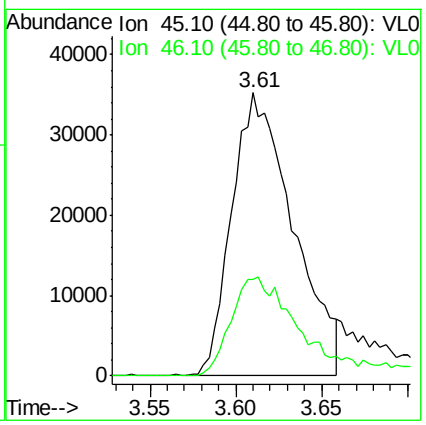


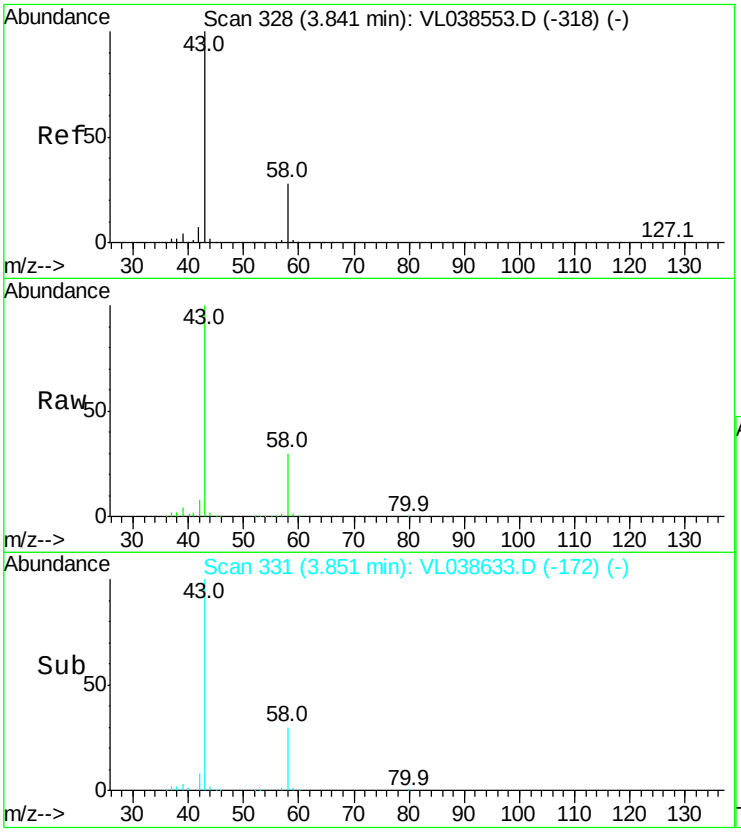


#13
Ethanol
Concen: 14.19 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 45 Resp: 87432

Ion	Ratio	Lower	Upper
45	100		
46	42.0	16.8	67.0



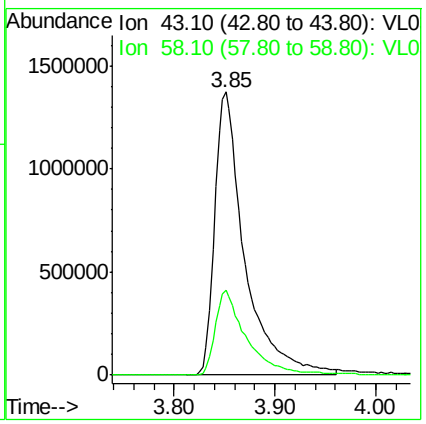


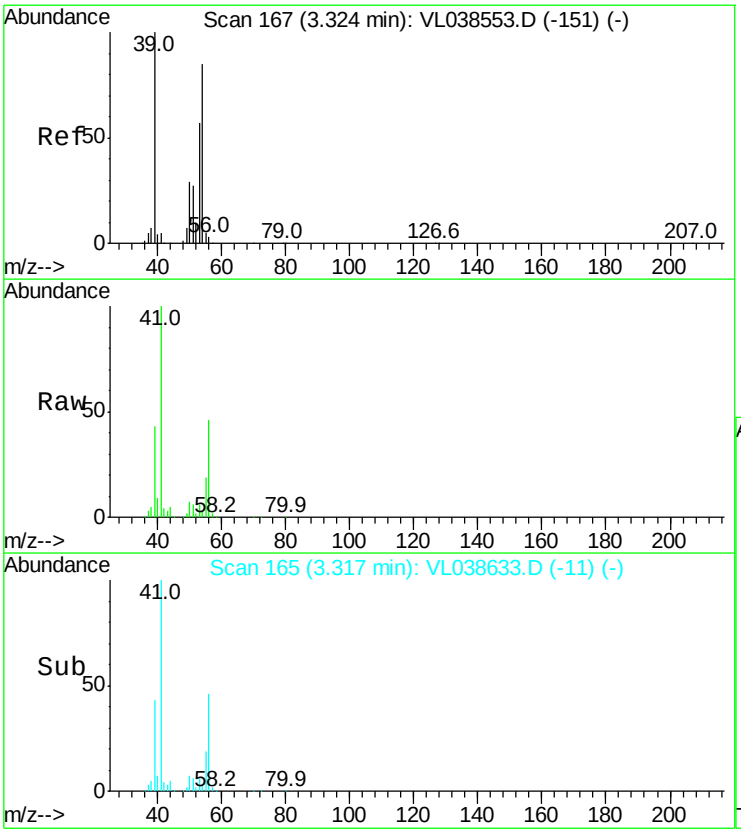
#15
Acetone
Concen: 46.74 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 43 Resp: 2842315

Ion	Ratio	Lower	Upper
43	100		
58	32.4	22.7	34.1

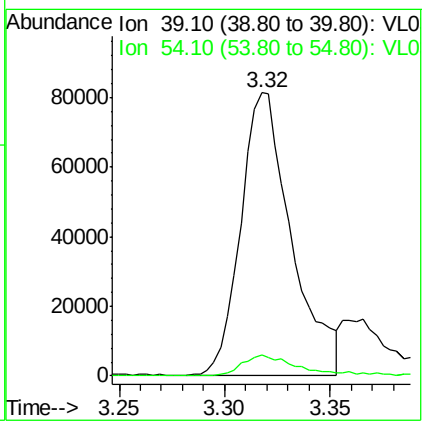


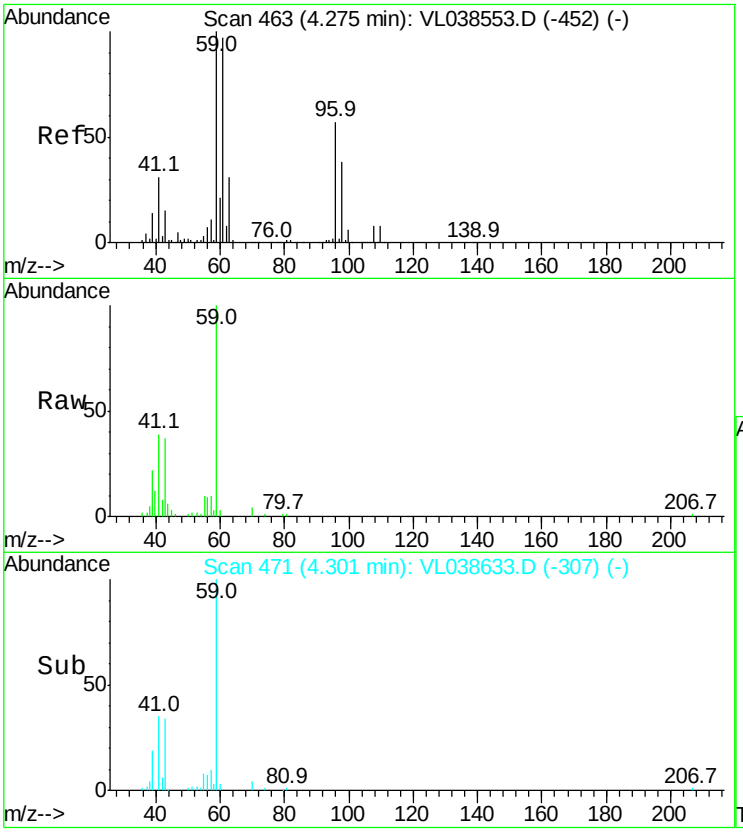


#16
1,3-Butadiene
Concen: 2.78 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 39 Resp: 135679

Ion	Ratio	Lower	Upper
39	100		
54	8.6	64.2	96.2#



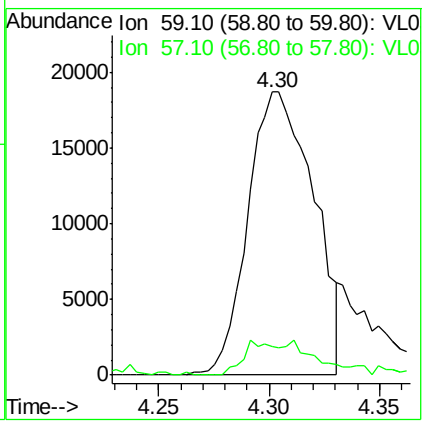


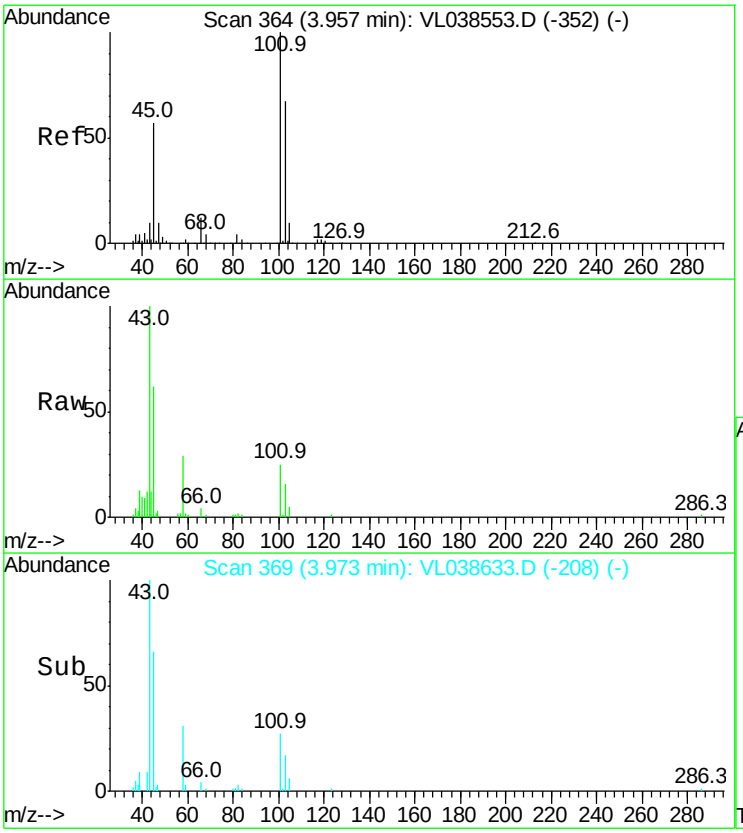
#17
tert-Butyl alcohol
Concen: 0.58 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 59 Resp: 38518

Ion	Ratio	Lower	Upper
59	100		
57	13.6	8.1	12.1#

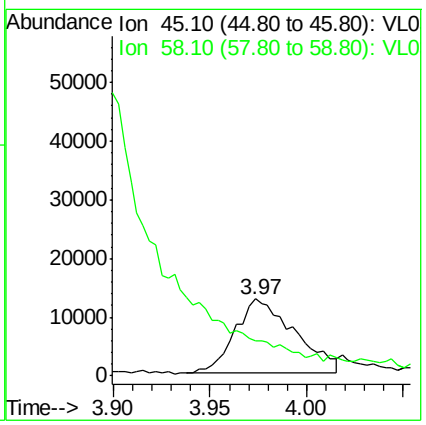


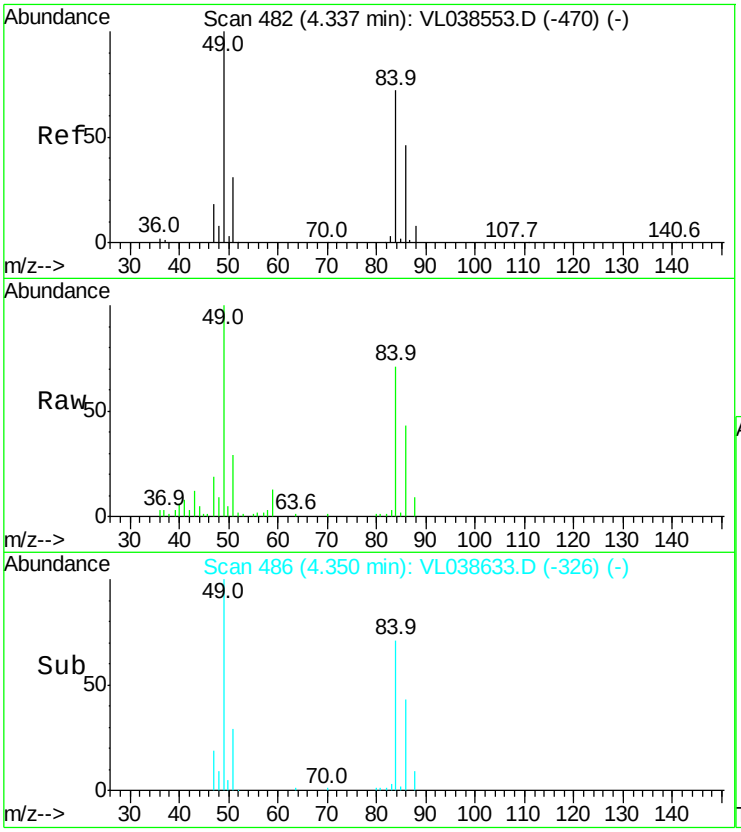


#19
Isopropyl Alcohol
Concen: 0.67 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 45 Resp: 27257

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#



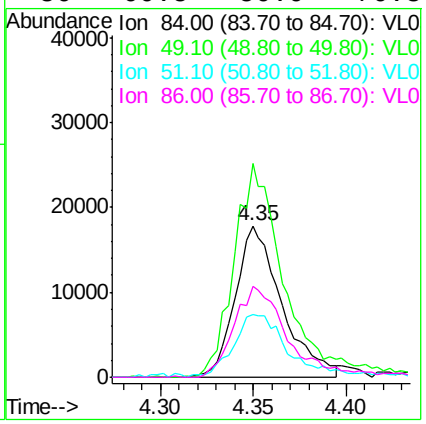


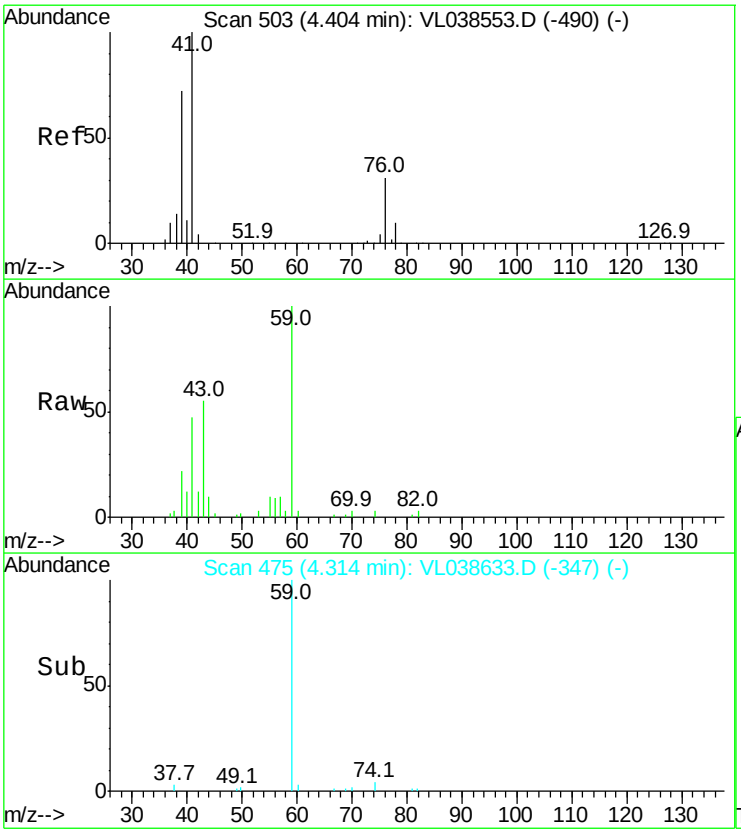
#20
Methylene Chloride
Concen: 0.85 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 84 Resp: 30986

Ion	Ratio	Lower	Upper
84	100		
49	138.5	111.1	166.7
51	41.7	34.0	51.0
86	60.5	50.9	76.3

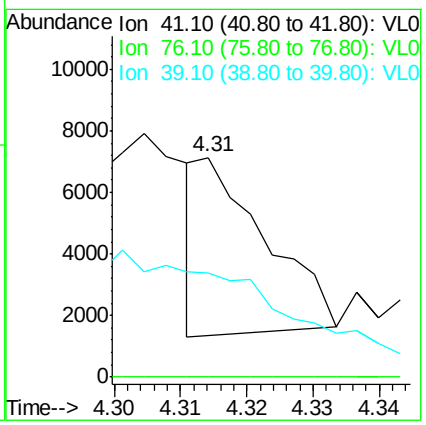


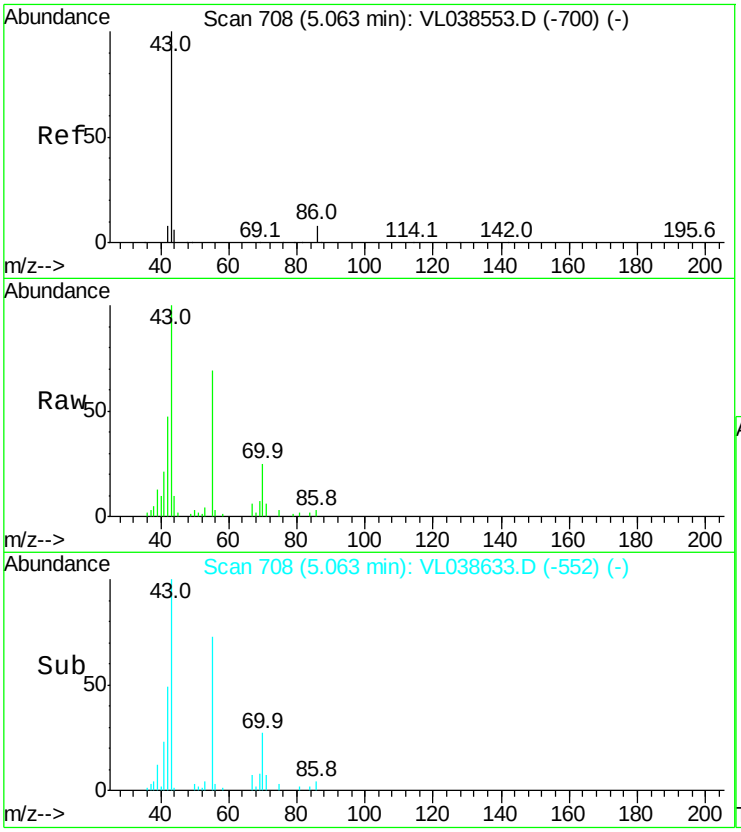


#21
Allyl Chloride
Concen: 0.07 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.09 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 41 Resp: 4005

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.3	36.5#
39	113.7	57.1	85.7#



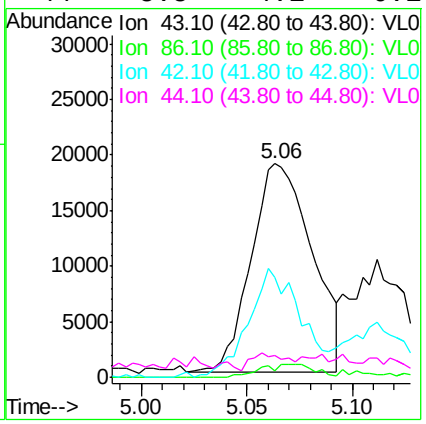


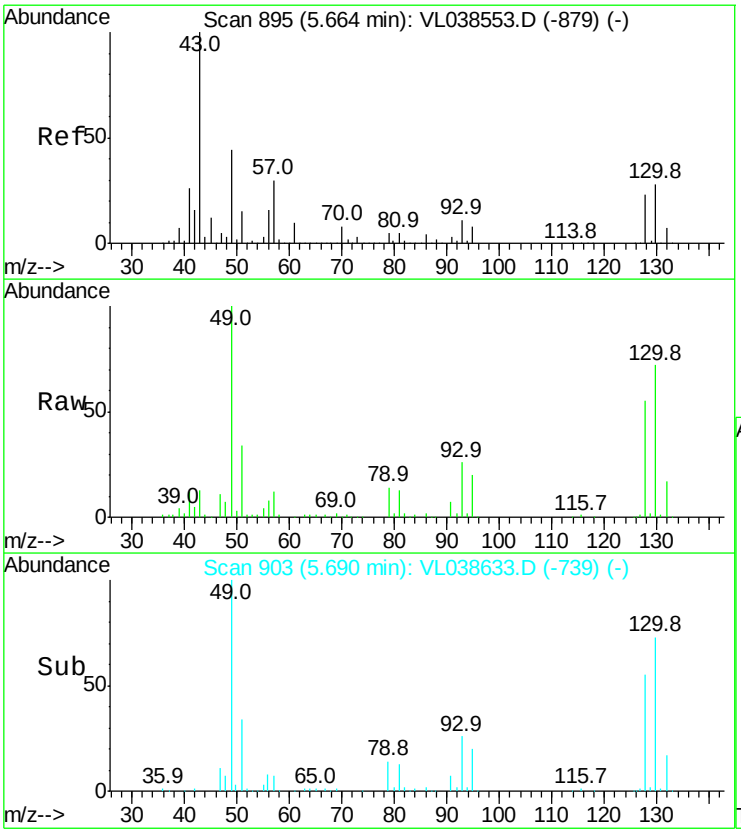
#23
Vinyl Acetate
Concen: 0.43 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 43 Resp: 37837

Ion	Ratio	Lower	Upper
43	100		
86	3.4	5.6	8.4#
42	45.8	7.1	10.7#
44	5.5	4.1	6.1

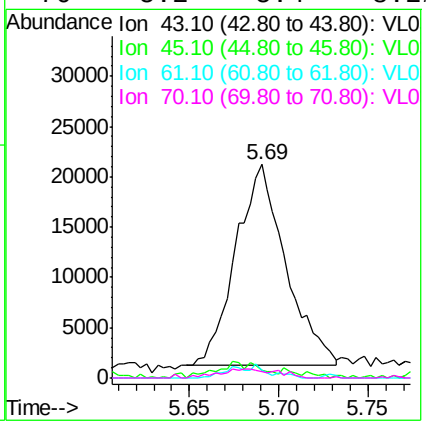


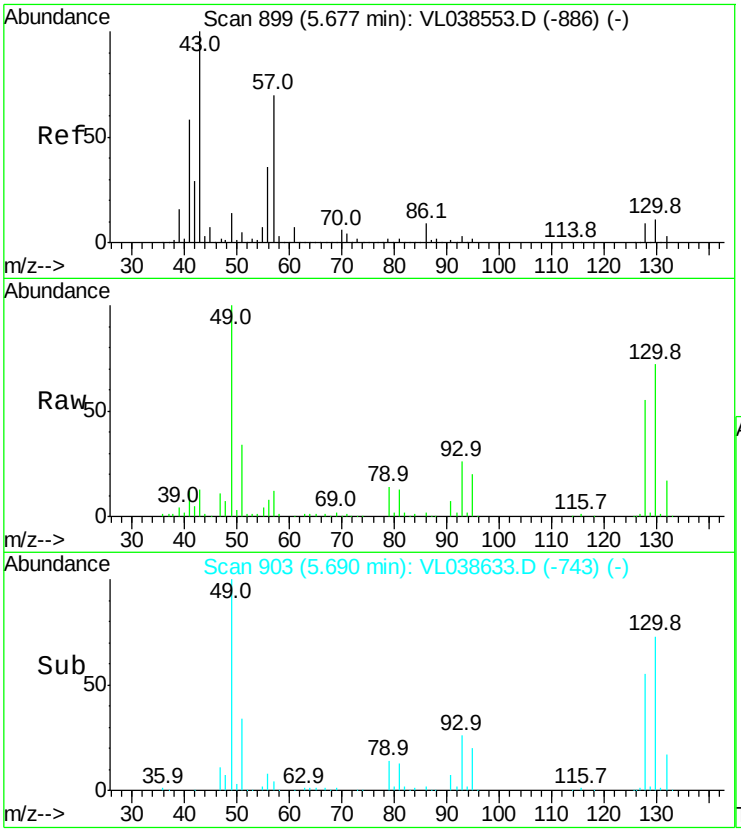


#25
Ethyl Acetate
Concen: 0.19 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 43 Resp: 39084

Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.0	12.0
61	5.4	8.2	12.4#
70	5.2	5.4	8.2#



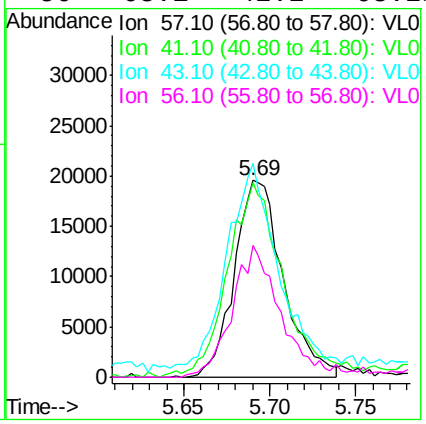


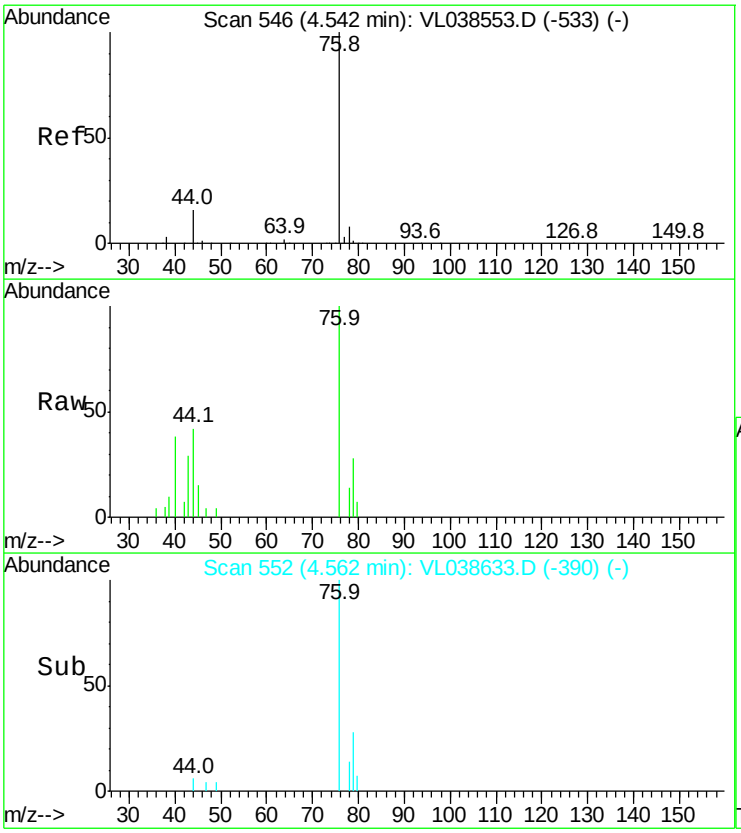
#26
Hexane
Concen: 0.40 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 57 Resp: 38686

Ion	Ratio	Lower	Upper
57	100		
41	115.8	67.8	101.6#
43	113.3	173.6	260.4#
56	68.1	42.2	63.2#

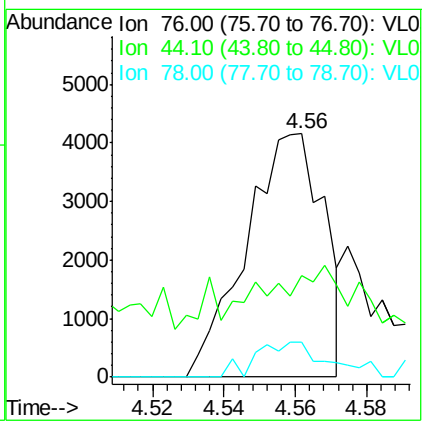


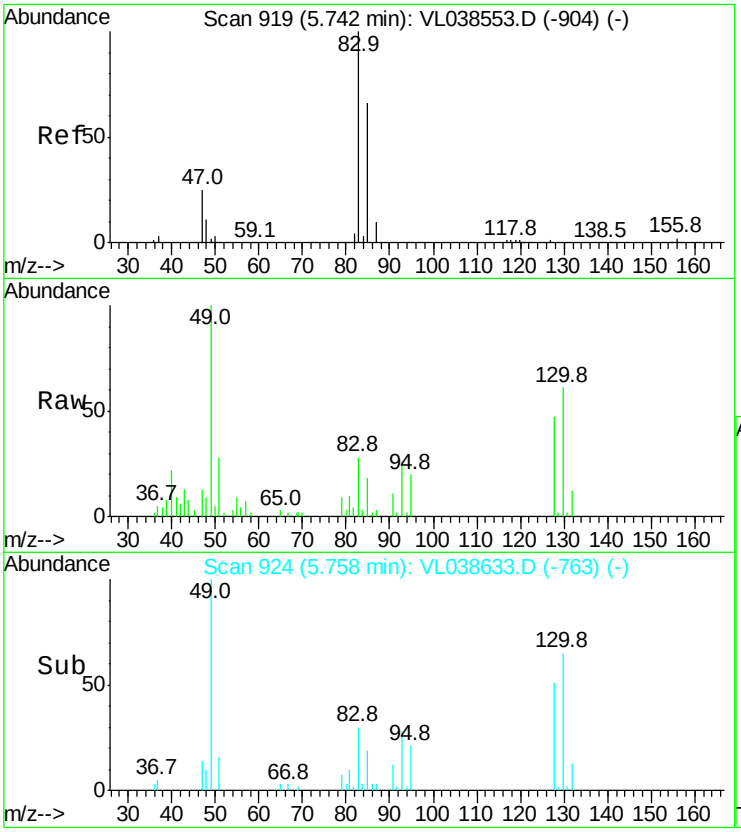


#27
Carbon Disulfide
Concen: 0.07 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 76 Resp: 6288

Ion	Ratio	Lower	Upper
76	100		
44	42.1	12.9	19.3#
78	14.7	7.8	11.6#



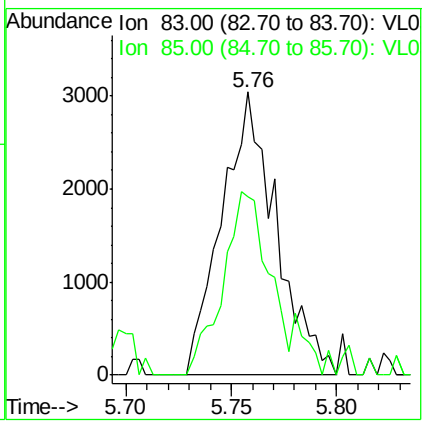


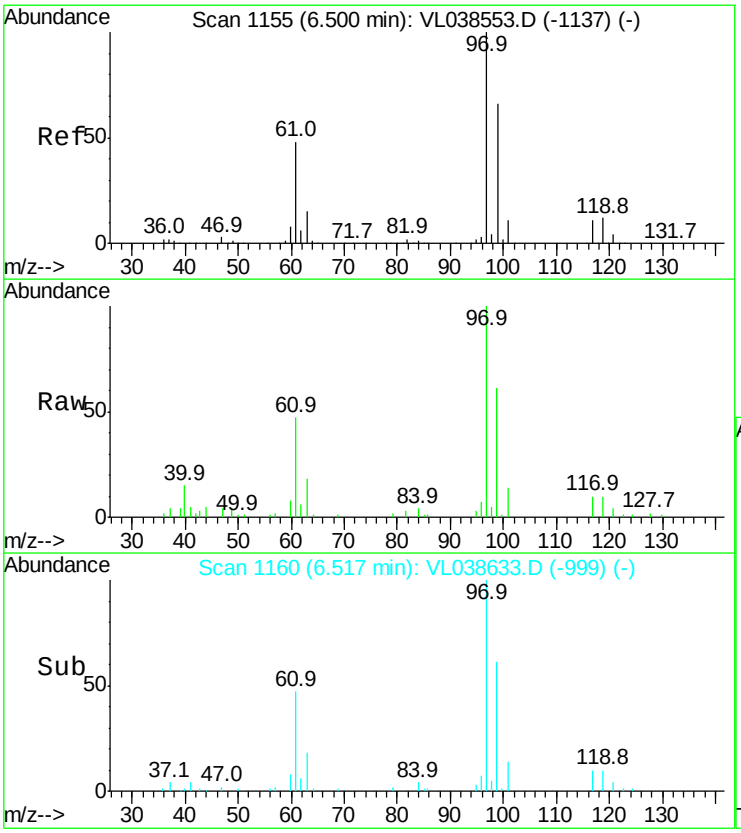
#29
Chloroform
Concen: 0.04 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 83 Resp: 5453

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.8	79.2

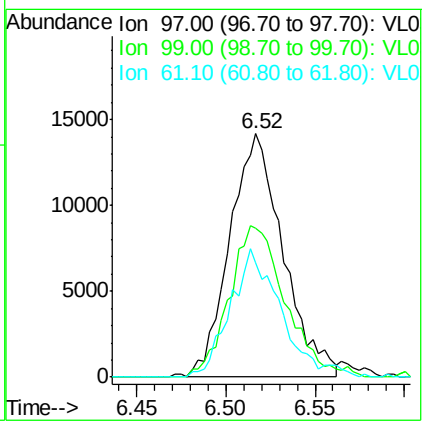


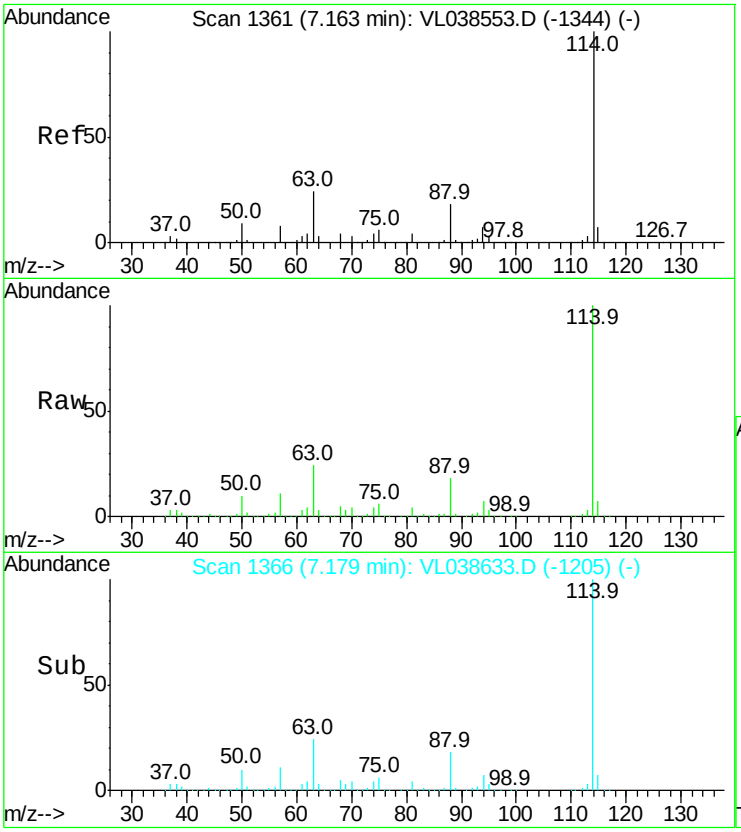


#32
1,1,1-Trichloroethane
Concen: 0.20 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 97 Resp: 29546

Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.1	78.1
61	50.1	37.7	56.5



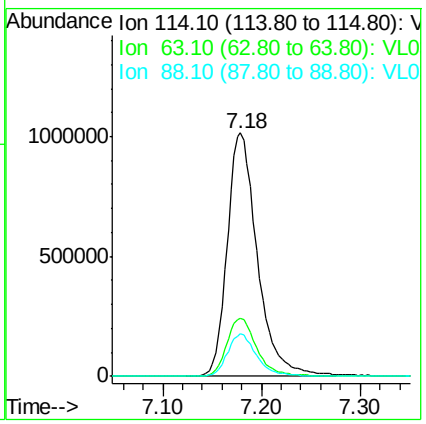


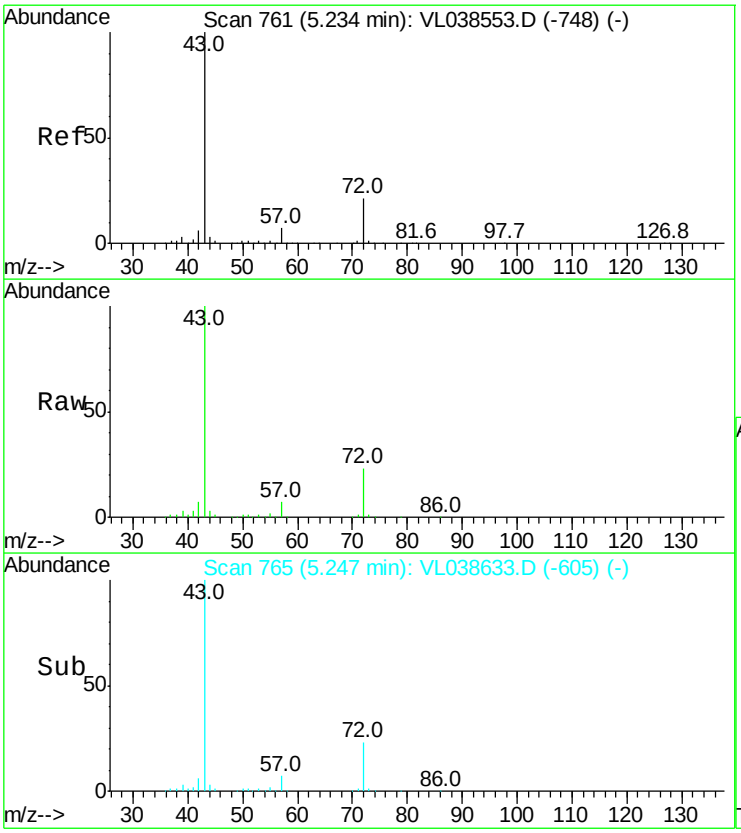
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion:114 Resp: 2163864

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.3	13.9	20.9

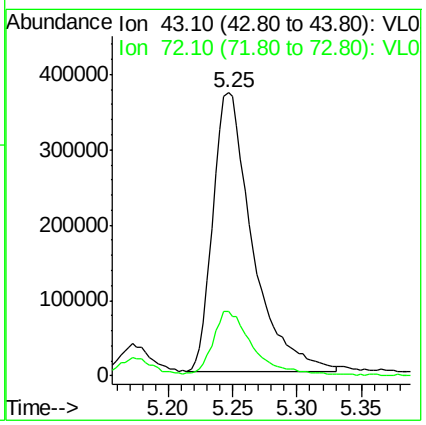


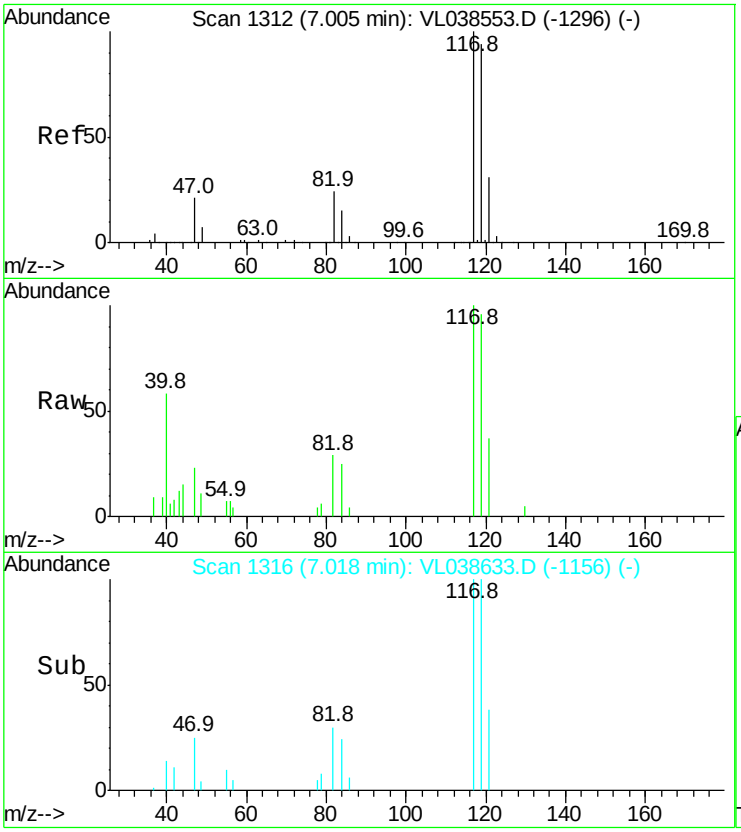


#34
2-Butanone
Concen: 14.08 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.01 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 43 Resp: 789493

Ion	Ratio	Lower	Upper
43	100		
72	24.5	17.8	26.6



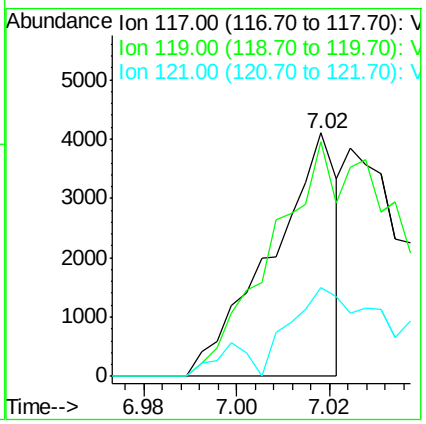


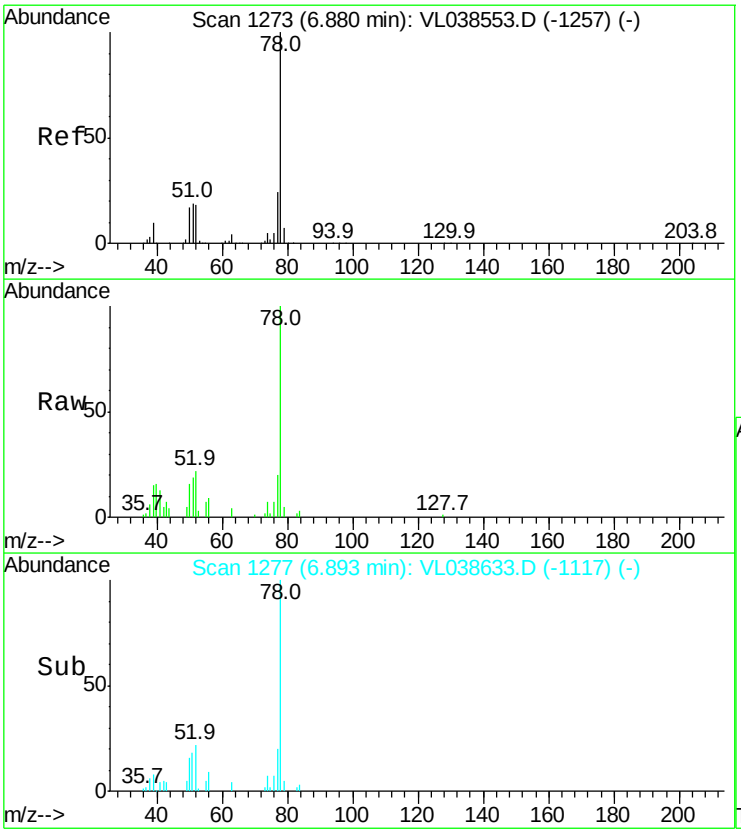
#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.02
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion:117 Resp: 4051

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.2	112.8
121	36.6	24.8	37.2

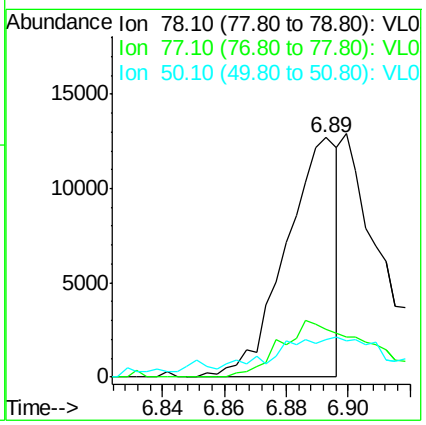


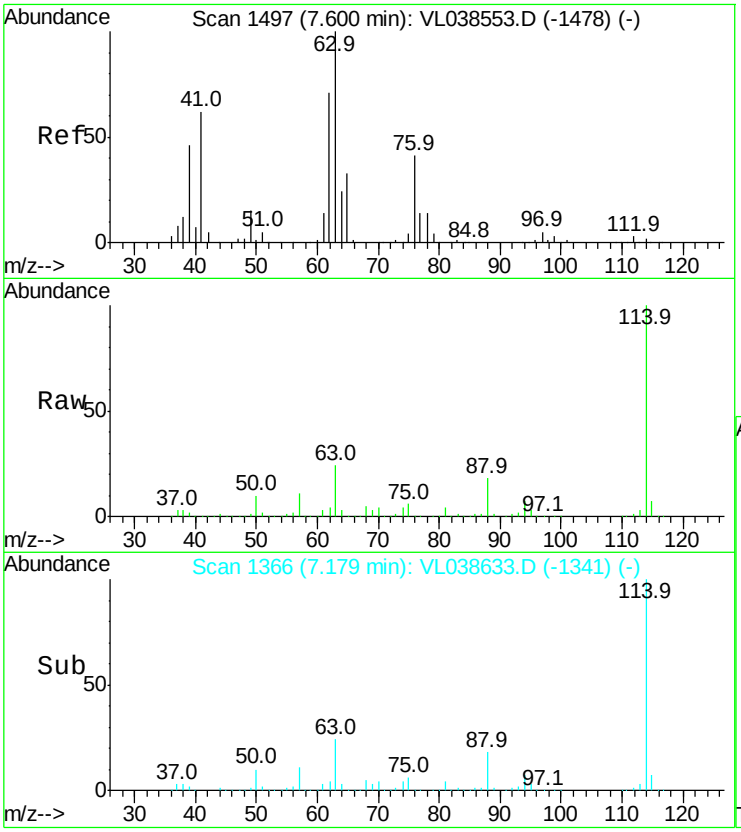


#36
Benzene
Concen: 0.08 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 78 Resp: 14701

Ion	Ratio	Lower	Upper
78	100		
77	20.0	19.0	28.4
50	6.8	13.9	20.9#



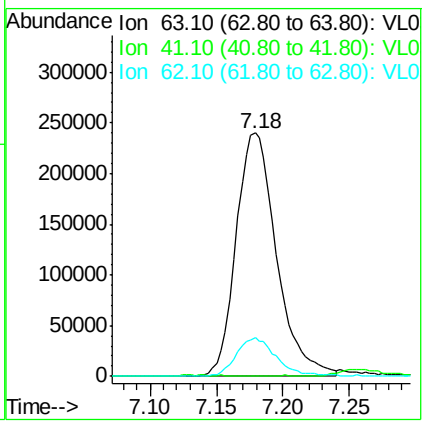


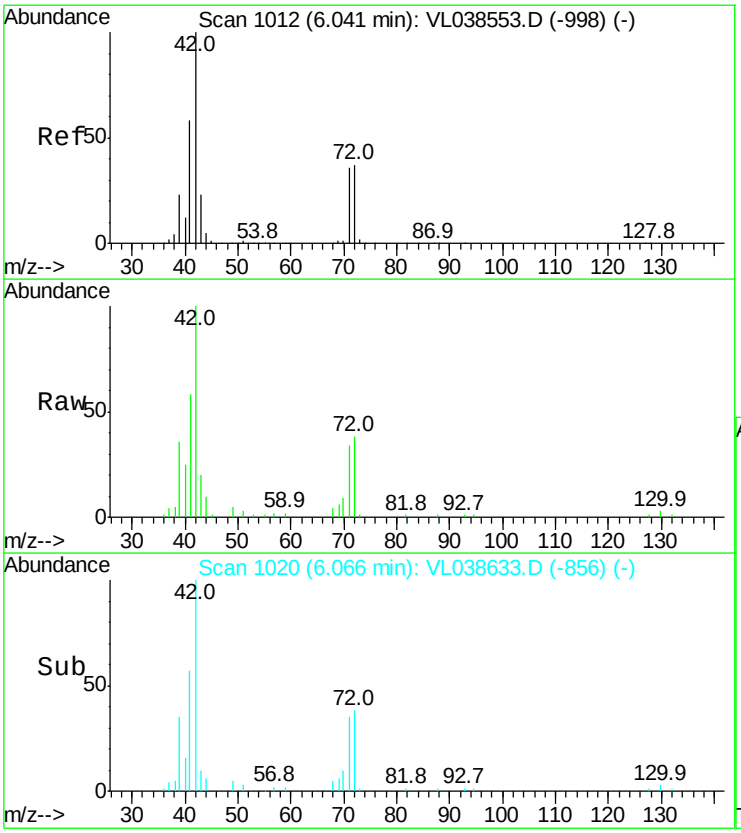
#39
1,2-Dichloropropane
Concen: 6.79 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 63 Resp: 509899

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.8	56.7	85.1#

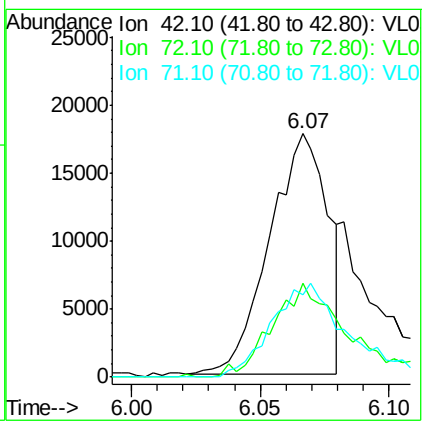


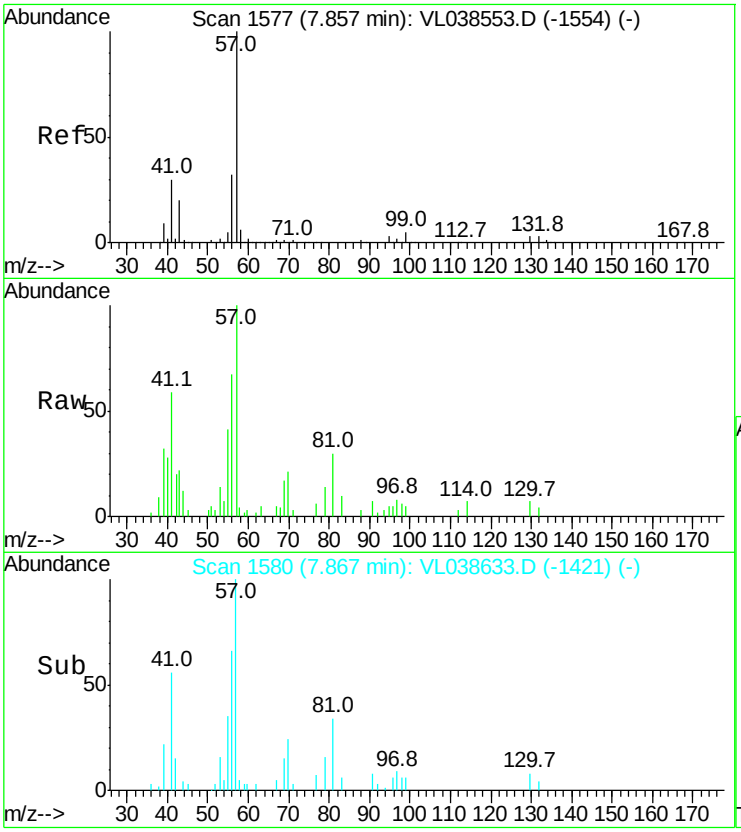


#41
Tetrahydrofuran
Concen: 0.61 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.03 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 42 Resp: 27918

Ion	Ratio	Lower	Upper
42	100		
72	55.3	30.9	46.3#
71	54.5	29.1	43.7#



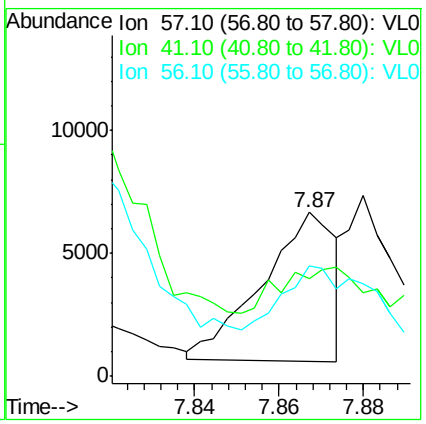


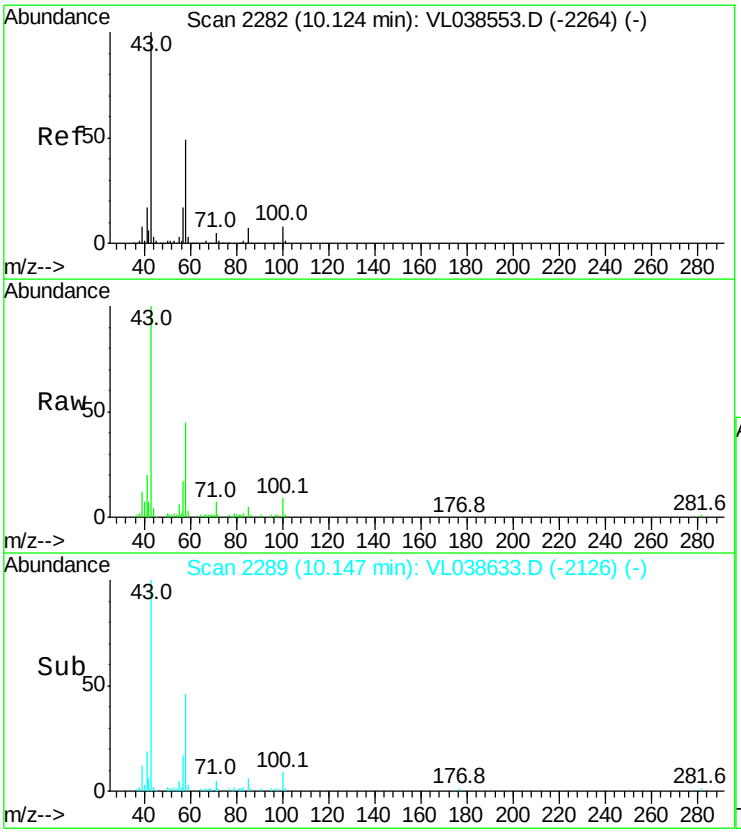
#44
2,2,4-Trimethylpentane
Concen: 0.02 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 57 Resp: 7269

Ion	Ratio	Lower	Upper
57	100		
41	174.4	24.0	36.0#
56	148.0	25.6	38.4#

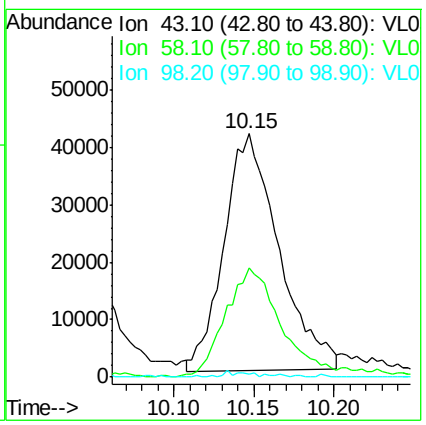


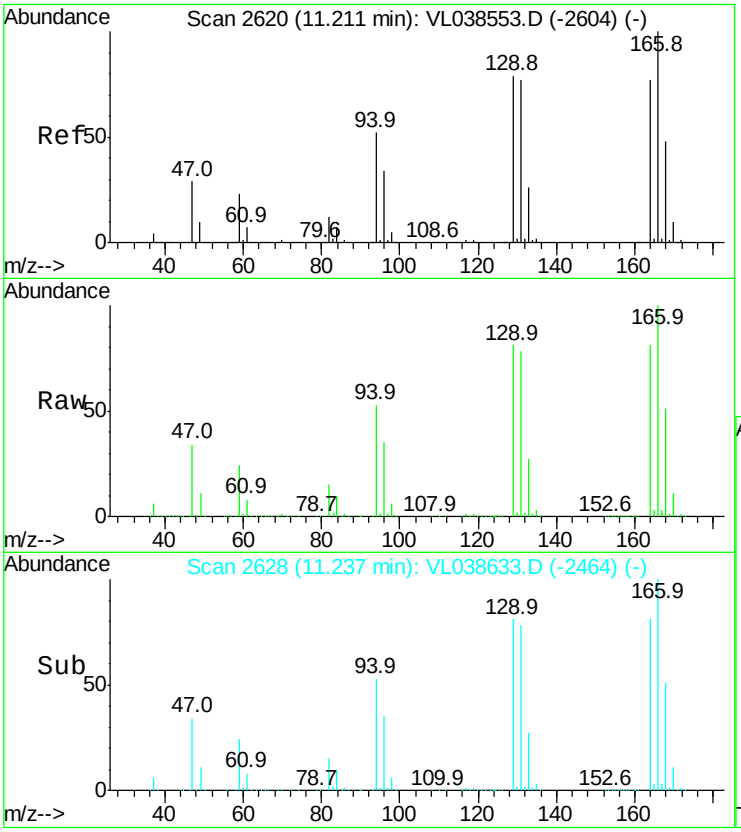


#51
2-Hexanone
Concen: 2.01 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 43 Resp: 97474

Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.1	60.1
98	1.9	0.4	0.6#



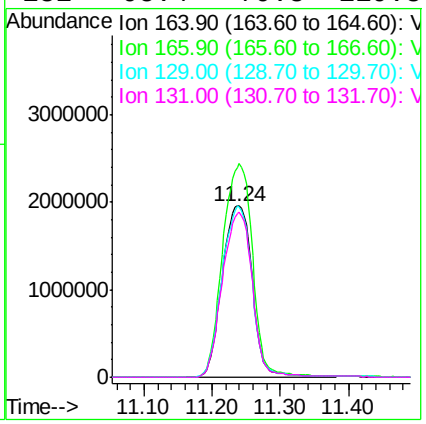


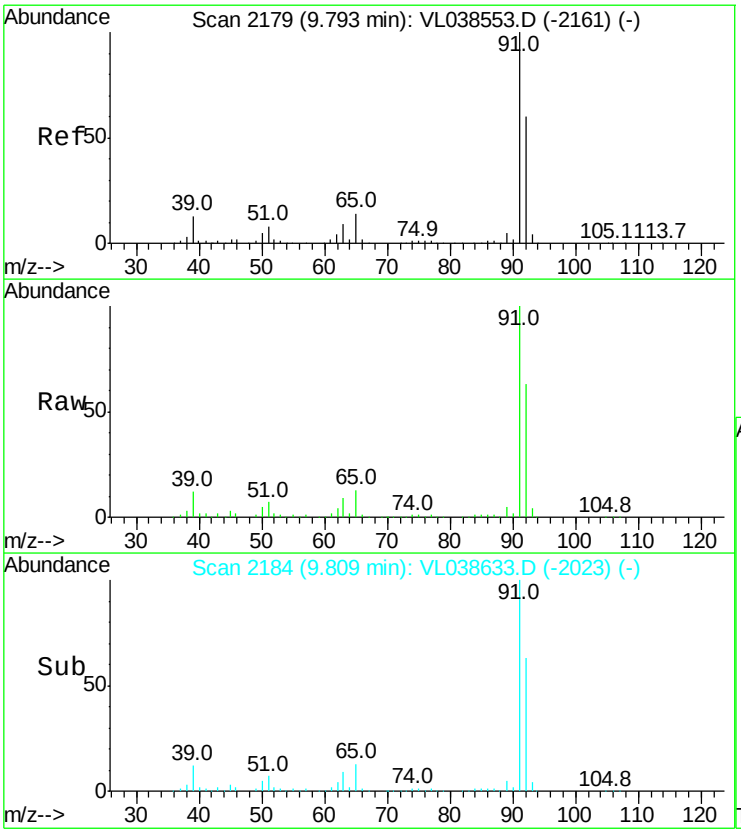
#52
Tetrachloroethene
Concen: 84.09 ppbv
RT: 11.24
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion:164 Resp: 6018342

Ion	Ratio	Lower	Upper
164	100		
166	122.8	103.4	155.2
129	99.8	81.3	121.9
131	95.4	79.8	119.8

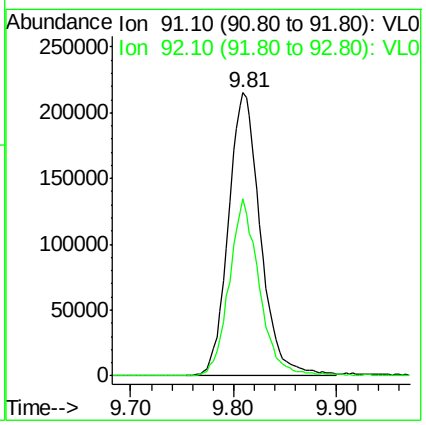


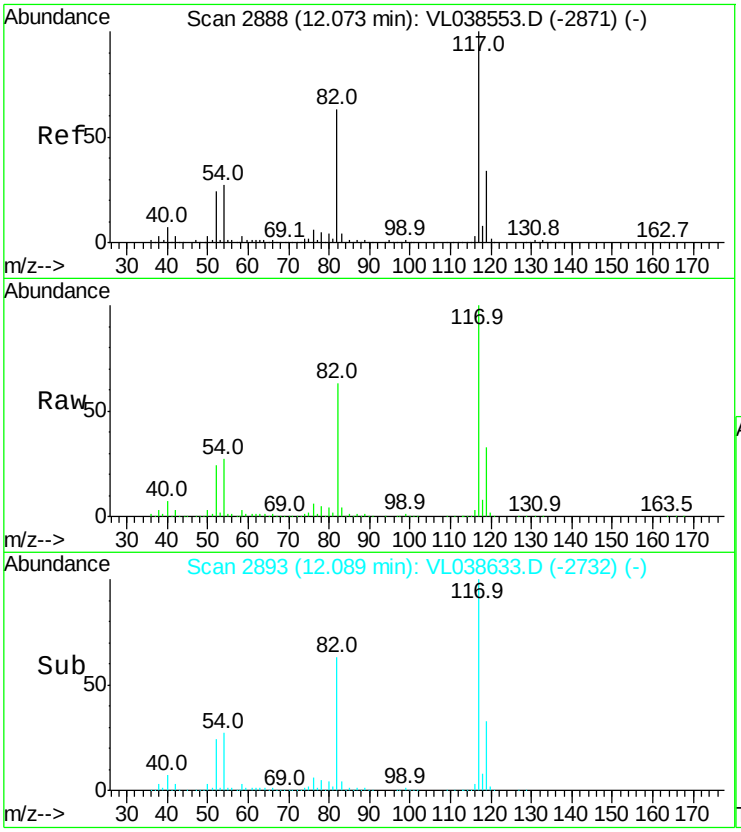


#53
Toluene
Concen: 2.24 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 91 Resp: 465953

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.1	72.1



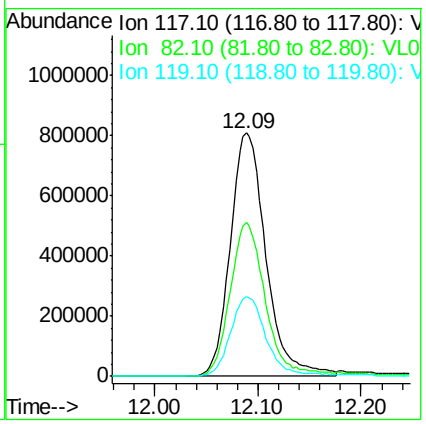


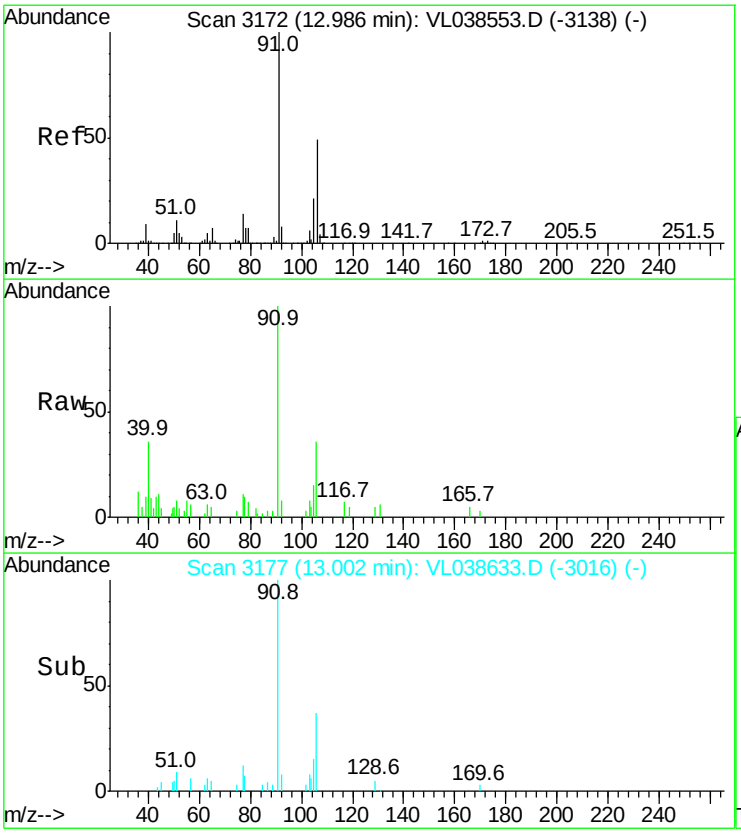
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion:117 Resp: 1952560

Ion	Ratio	Lower	Upper
117	100		
82	65.3	52.5	78.7
119	33.4	46.4	69.6#

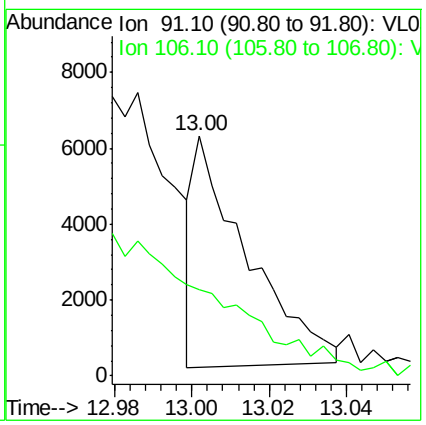


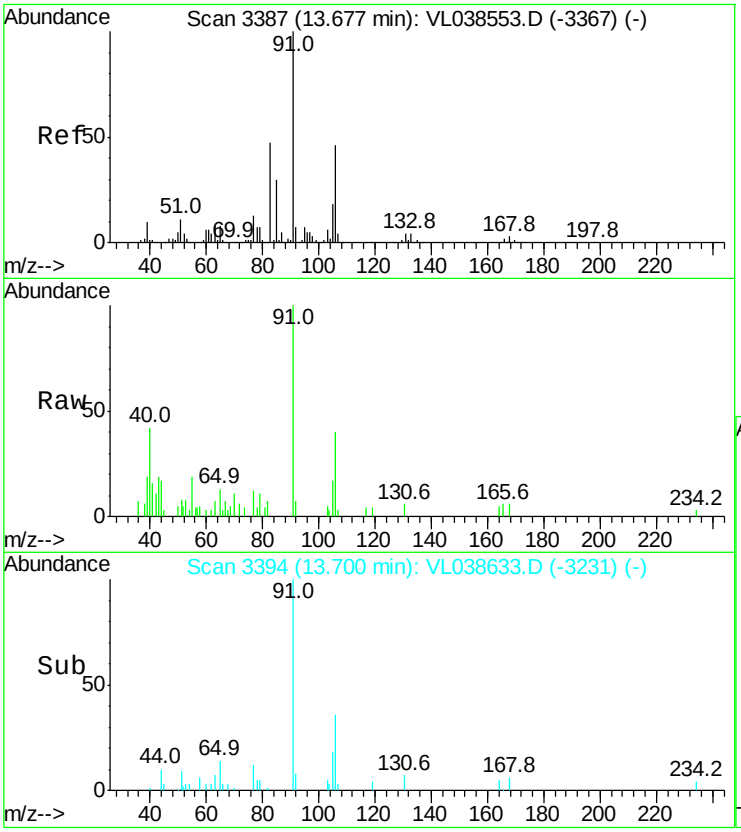


#59
m/p-Xylene
Concen: 0.03 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 91 Resp: 5768

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#



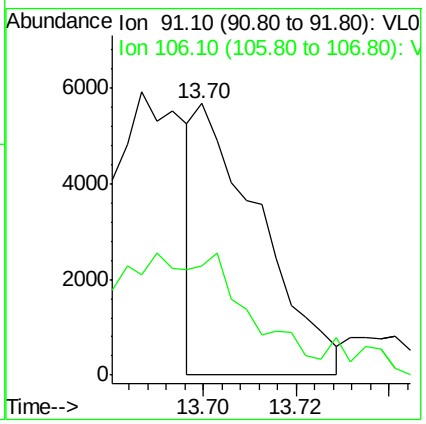


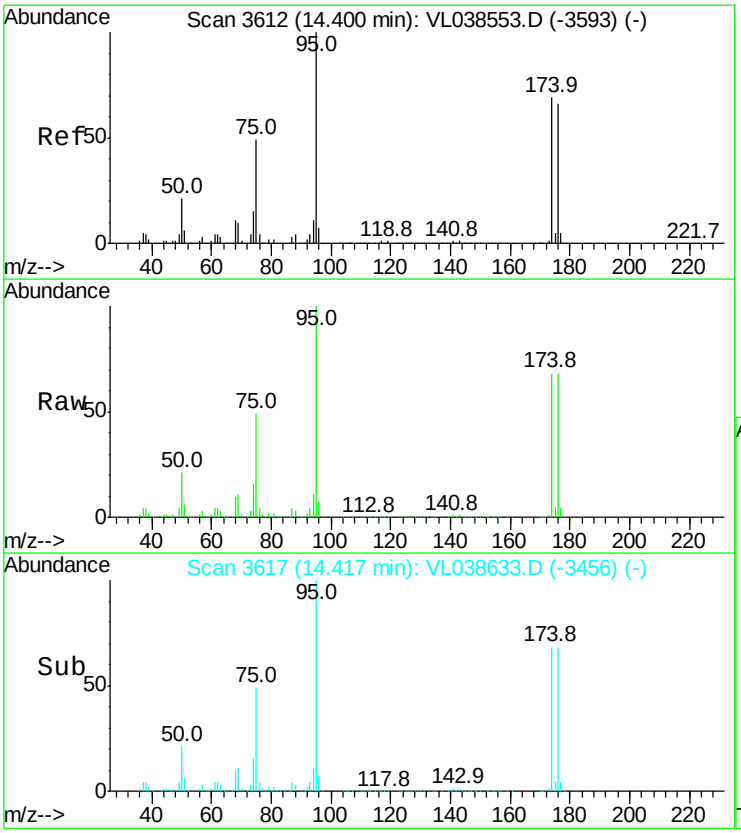
#60
o-Xylene
Concen: 0.03 ppbv
RT: 13.70
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion: 91 Resp: 5487

Ion	Ratio	Lower	Upper
91	100		
106	117.3	23.5	70.6#

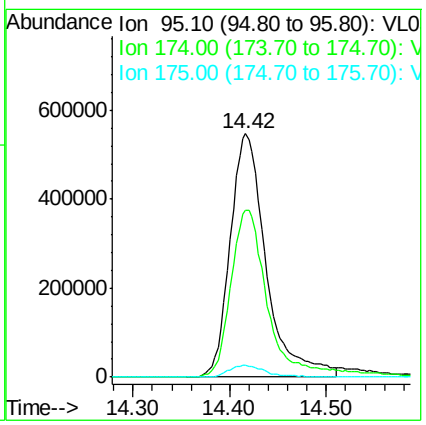


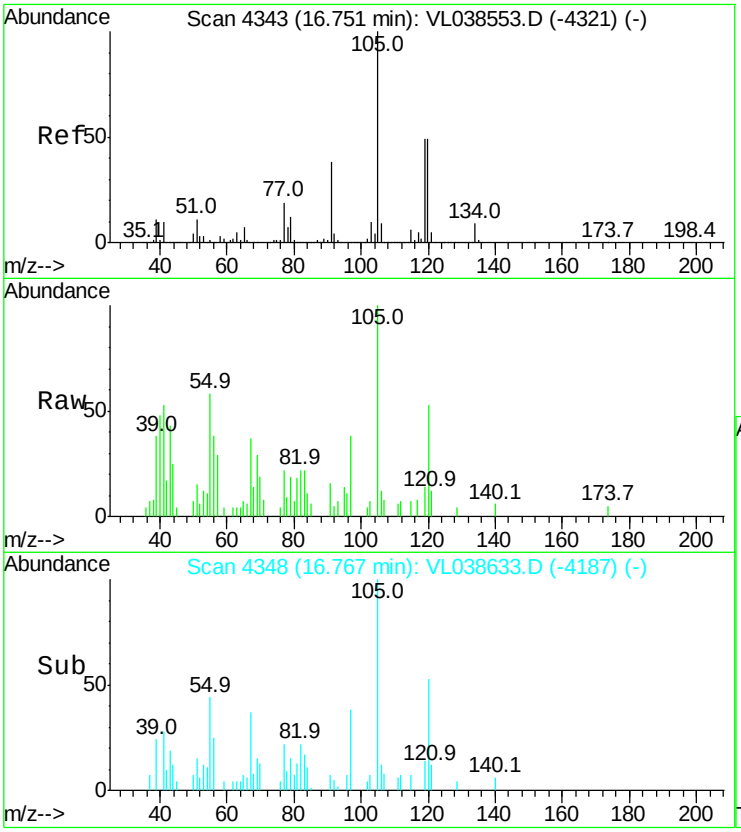


#68
1-Bromo-4-Fluorobenzene
Concen: 9.53 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL038633.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 95 Resp: 1414334

Ion	Ratio	Lower	Upper
95	100		
174	72.5	56.2	84.4
175	5.2	4.2	6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.02 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_L
ClientSampleId :
C0PA9

Tgt Ion:105 Resp: 4936

Ion	Ratio	Lower	Upper
105	100		
120	65.8	38.9	58.3#
91	3.7	30.6	46.0#
77	15.5	15.2	22.8