Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
Data File : VL038303.D
Acq On : 27 Jan 2022 19:20
Operator : SY/AP
Sample : N1308-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Jan 28 05:14:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	788930	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	1965516	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1567176	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1229897	10.34	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	30854	0.184	ppbv #	85
3) Chlorodifluoromethane	2.98	51	67038	0.427	ppbv #	78
4) Chloromethane	3.13	50	22535	0.417	ppbv	96
6) Bromomethane	3.47	94	927	0.032	ppbv #	57
9) Propene	3.20	41	51429	1.006	ppbv	84
10) Heptane	8.10	43	22198	0.169	ppbv #	57
11) Trichlorofluoromethane	3.94	101	25662	0.196	ppbv	99
13) Ethanol	3.59	45	2966153	540.427	ppbv	98
15) Acetone	3.84	43	917820	13.197	ppbv	98
16) 1,3-Butadiene	3.30	39	16225	0.325	ppbv #	42
17) tert-Butyl alcohol	4.29	59	6418	0.084	ppbv #	70
19) Isopropyl Alcohol	3.59	45	2966153	68.177	ppbv #	91
20) Methylene Chloride	4.33	84	927290	22.925	ppbv	94
23) Vinyl Acetate	5.04	43	16621	0.164	ppbv #	17
25) Ethyl Acetate	5.67	43	137541	0.706	ppbv #	91
26) Hexane	5.67	57	130705	1.443	ppbv #	55
29) Chloroform	5.73	83	13878	0.094	ppbv	93
30) Cyclohexane	7.11	84	2917	0.037	ppbv #	1
34) 2-Butanone	5.23	43	104855	1.631	ppbv	100
35) Carbon Tetrachloride	7.00	117	7928	0.057	ppbv	94
36) Benzene	6.87	78	84397	0.485	ppbv	95
37) 1,2-Dichloroethane	6.29	62	22388	0.225	ppbv	100
39) 1,2-Dichloropropane	7.15	63	529574	7.513	ppbv #	25
44) 2,2,4-Trimethylpentane	7.85	57	61163	0.200	ppbv #	81
53) Toluene	9.78	91	331480	1.723	ppbv	97
58) Ethyl Benzene	12.68	91	33480	0.145	ppbv	89
59) m/p-Xylene	12.97	91	21960	0.112	ppbv #	32
60) o-Xylene	13.66	91	35175	0.192	ppbv	99
61) Styrene	13.50	104	11695	0.137	ppbv #	23
74) 1,2,4-Trimethylbenzene	16.73	105	9333	0.052	ppbv #	61

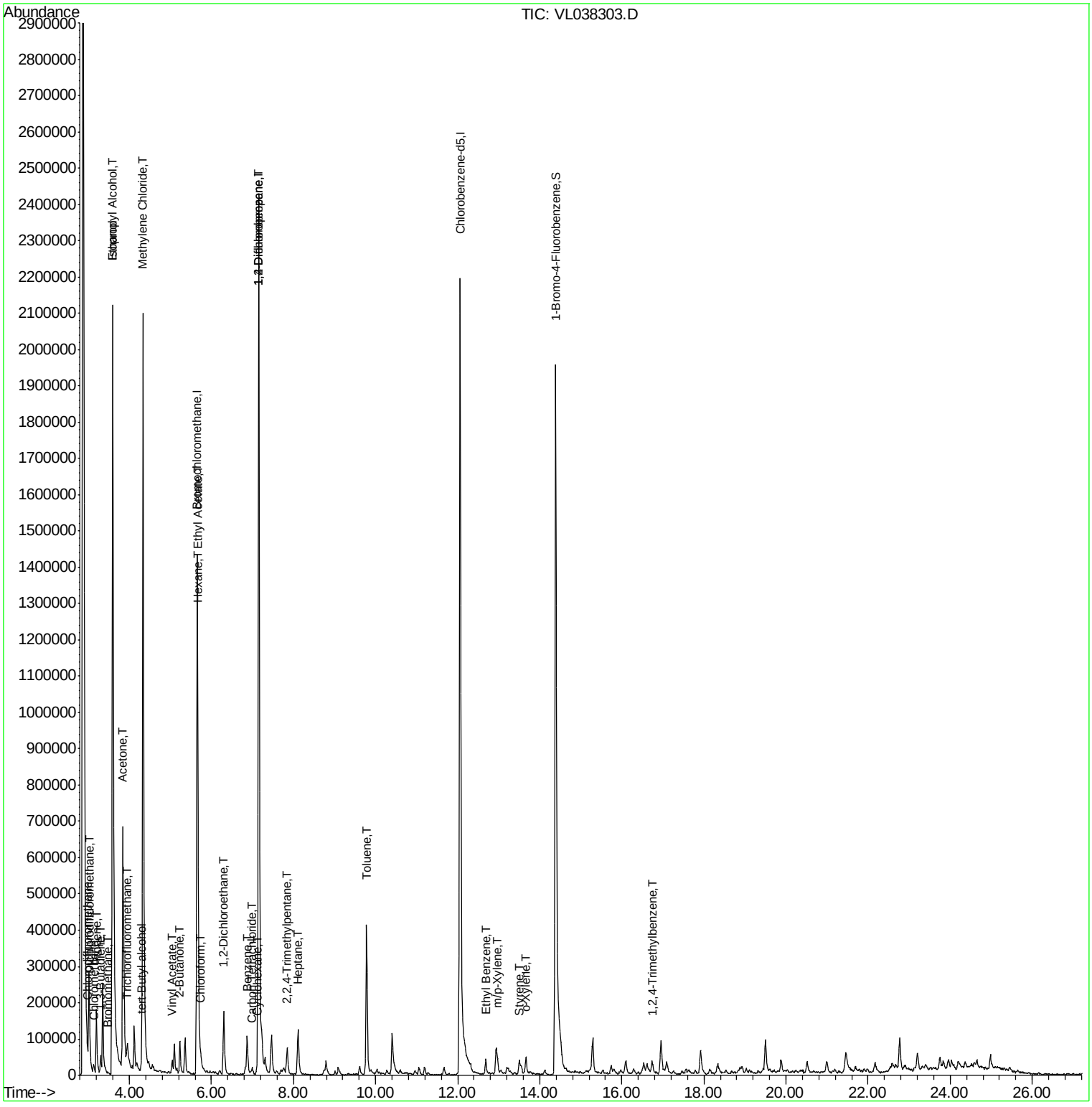
(#) = qualifier out of range (m) = manual integration (+) = signals summed

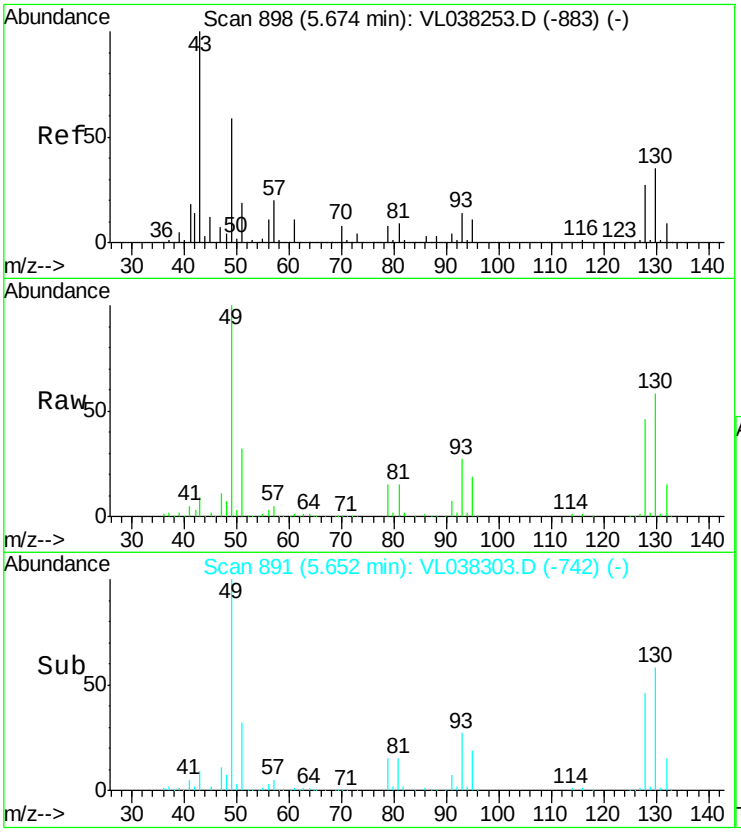
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
Data File : VL038303.D
Acq On : 27 Jan 2022 19:20
Operator : SY/AP
Sample : N1308-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Jan 28 05:14:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration



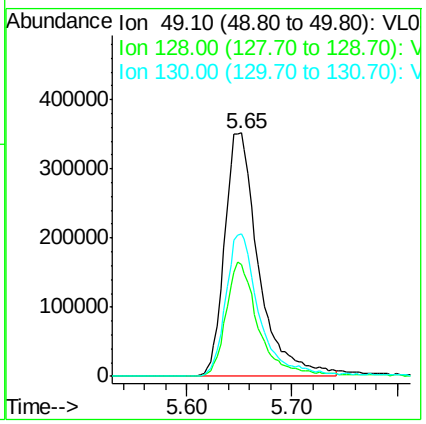


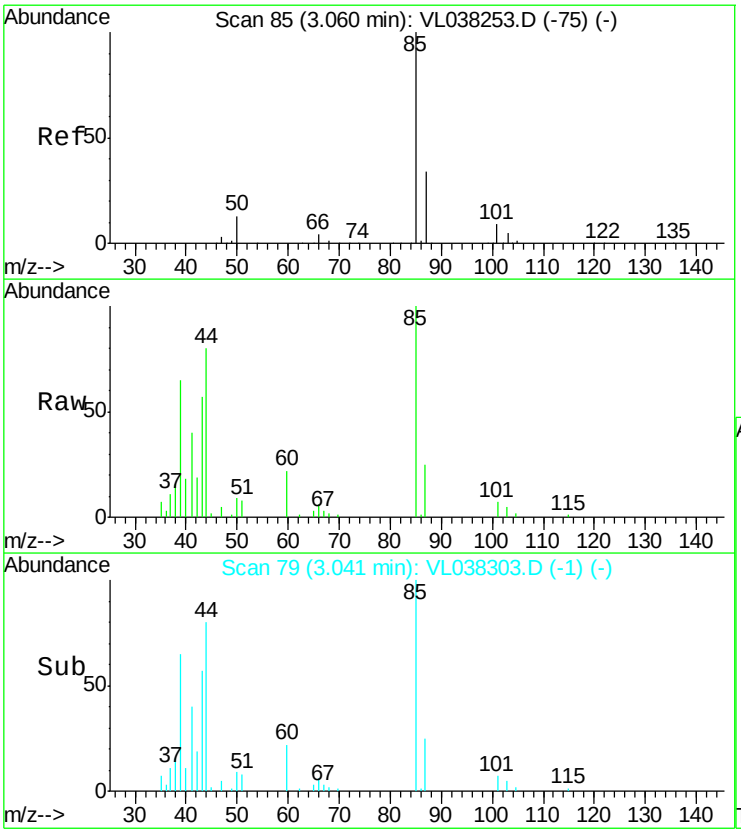
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 788930

Ion	Ratio	Lower	Upper
49	100		
128	45.7	24.5	73.5
130	58.9	30.1	90.5

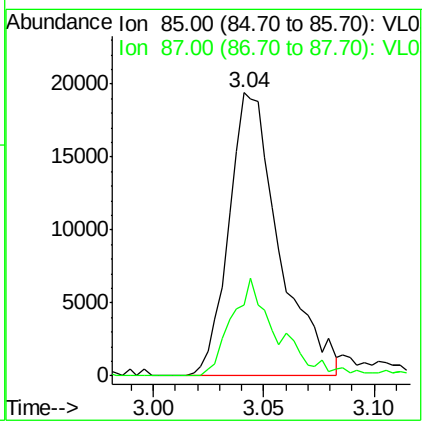


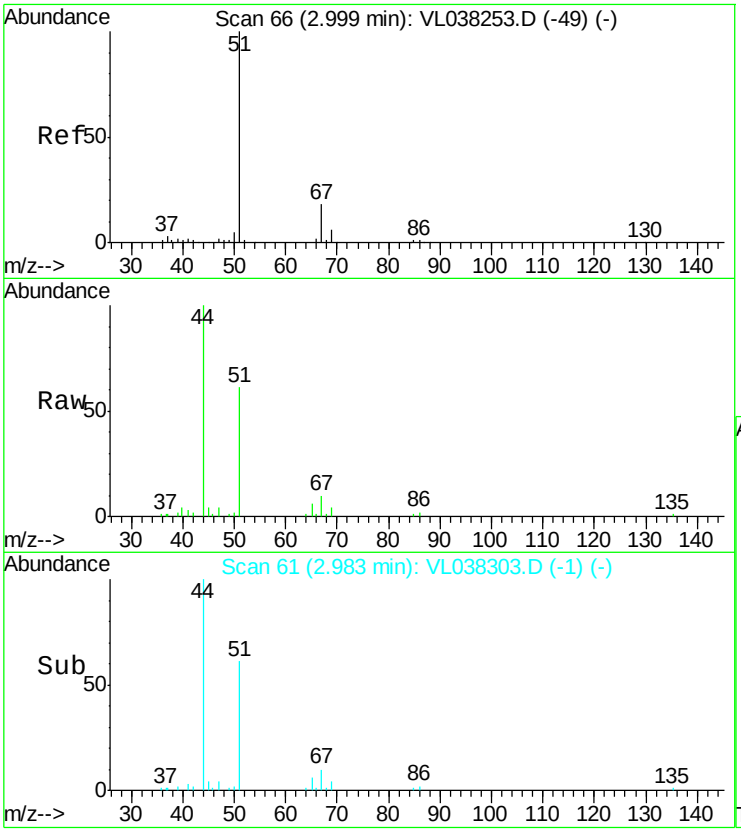


#2
Dichlorodifluoromethane
Concen: 0.184 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.02 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 85 Resp: 30854

Ion	Ratio	Lower	Upper
85	100		
87	25.2	27.0	40.6#



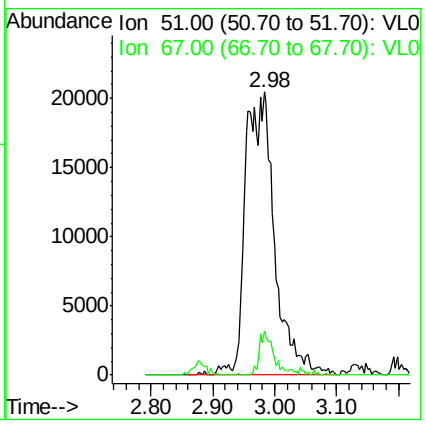


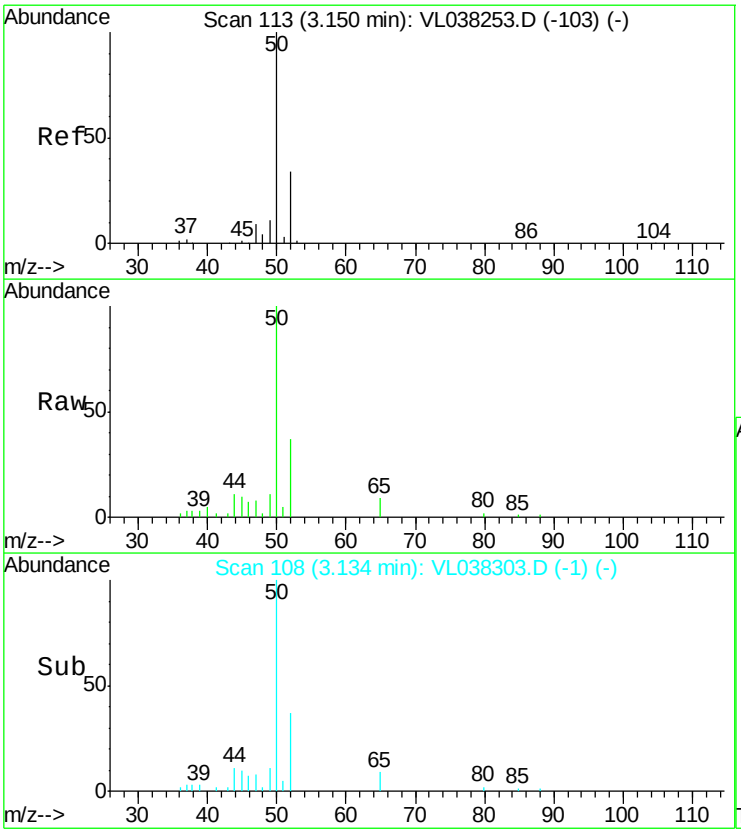
#3
Chlorodifluoromethane
Concen: 0.427 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 51 Resp: 67038

Ion	Ratio	Lower	Upper
51	100		
67	8.1	14.4	21.6#

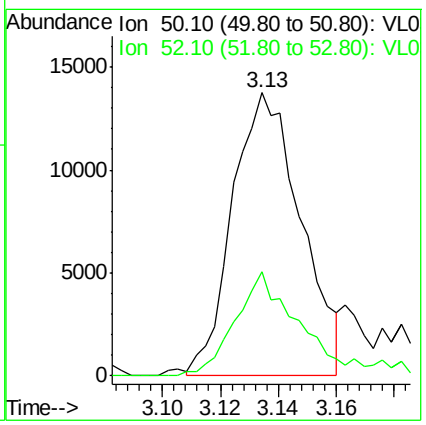


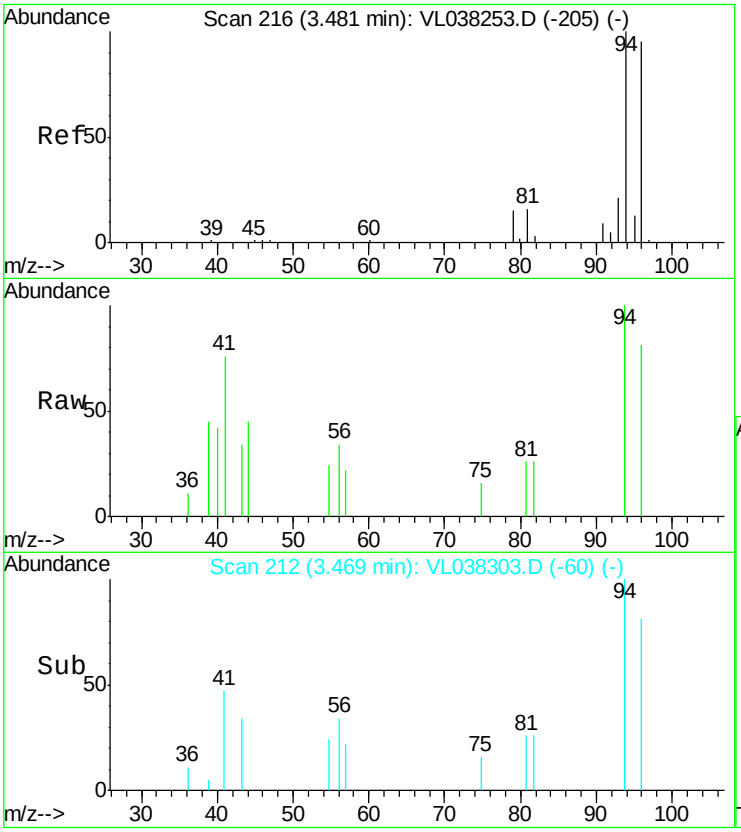


#4
Chloromethane
Concen: 0.417 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.02 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 50 Resp: 22535

Ion	Ratio	Lower	Upper
50	100		
52	36.3	27.1	40.7



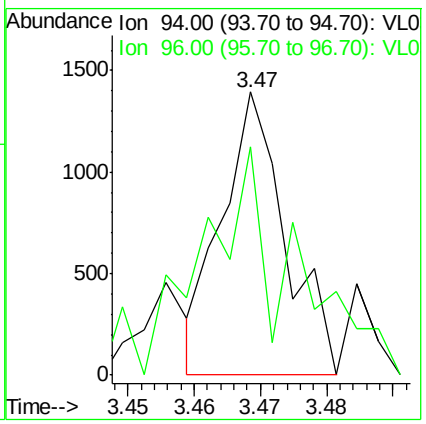


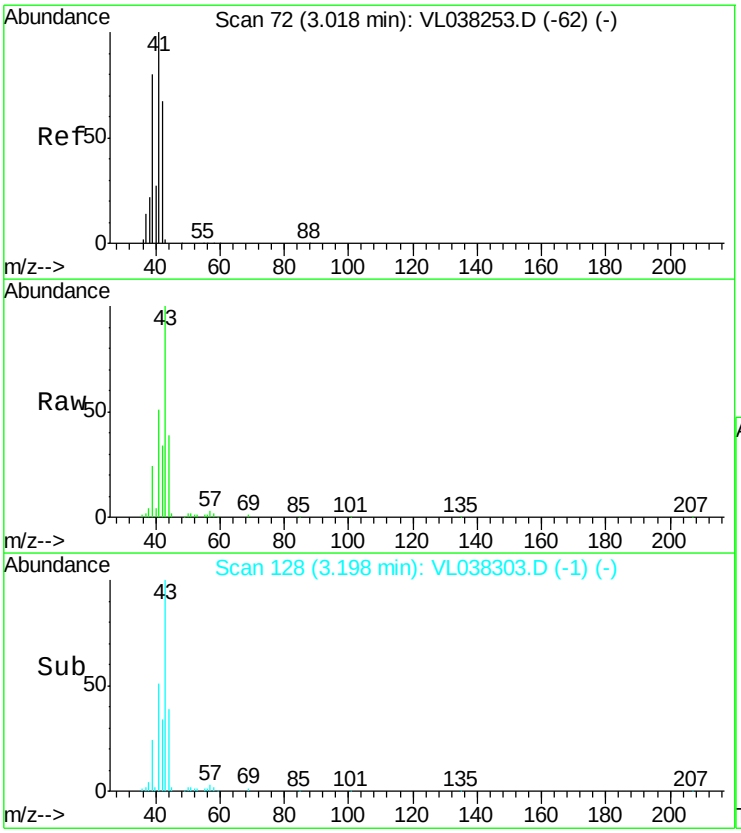
#6
Bromomethane
Concen: 0.032 ppbv
RT: 3.47
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 94 Resp: 927

Ion	Ratio	Lower	Upper
94	100		
96	53.4	76.0	114.0#

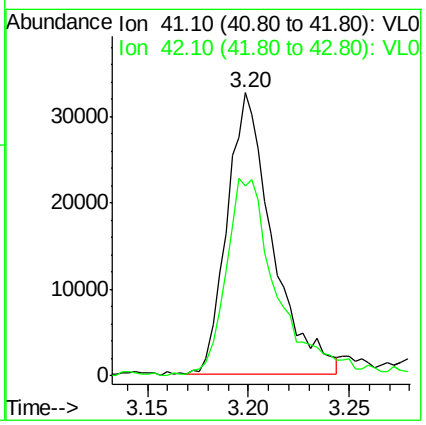


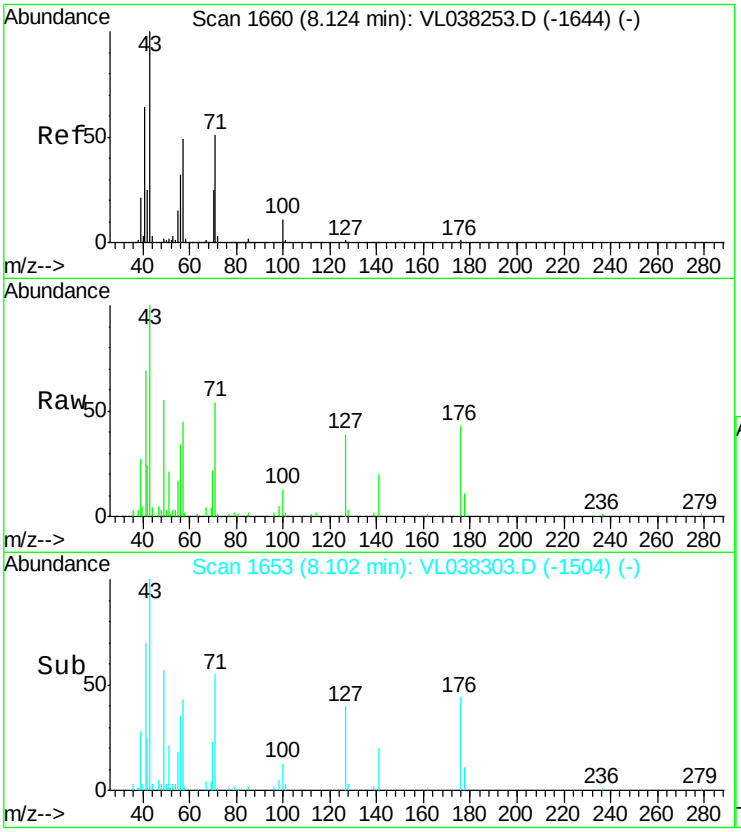


#9
Propene
Concen: 1.006 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.18 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 41 Resp: 51429

Ion	Ratio	Lower	Upper
41	100		
42	81.6	54.9	82.3



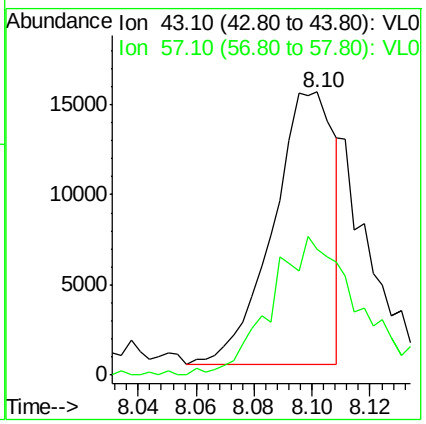


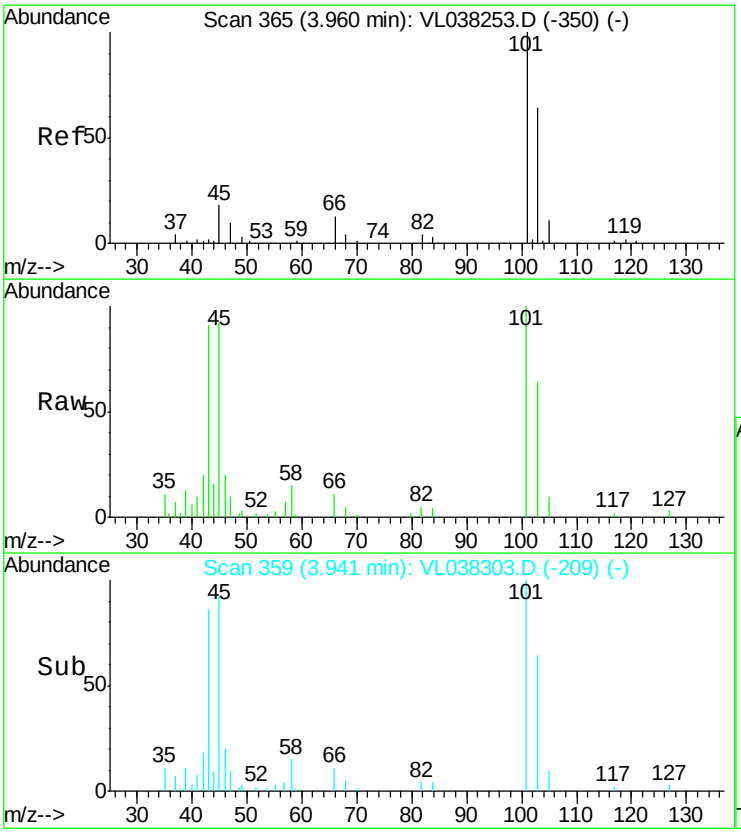
#10
Heptane
Concen: 0.169 ppbv
RT: 8.10
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 22198

Ion	Ratio	Lower	Upper
43	100		
57	78.6	39.5	59.3#

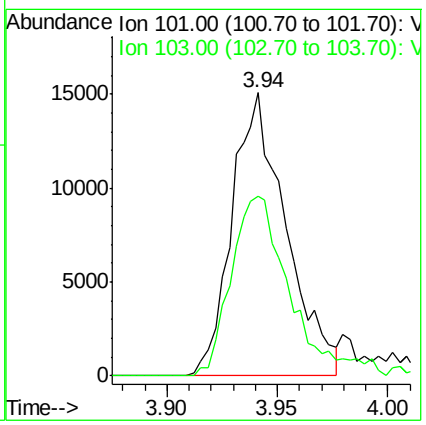


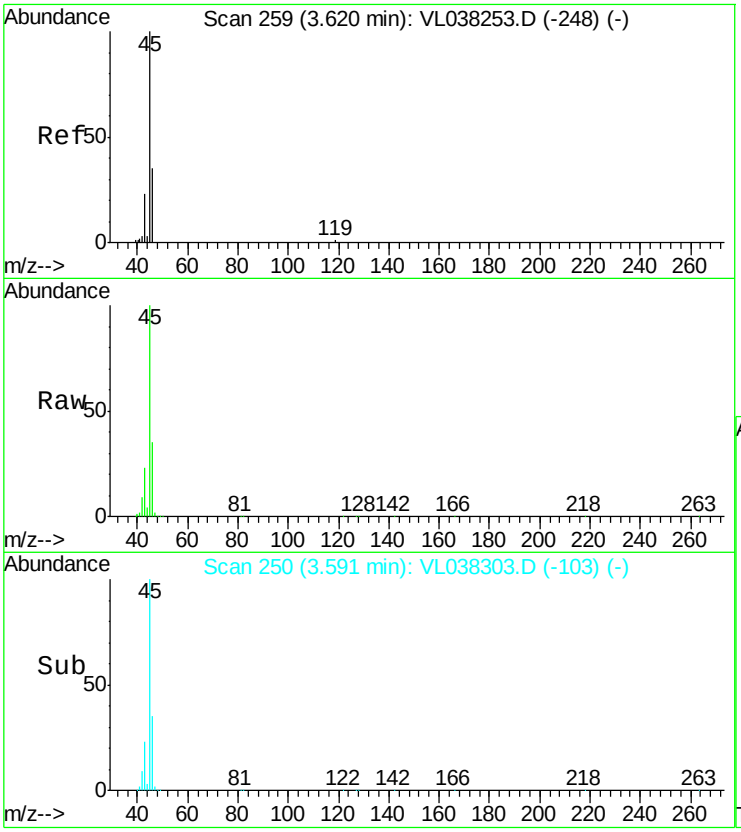


#11
Trichlorofluoromethane
Concen: 0.196 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.02 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion:101 Resp: 25662

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.2	76.8



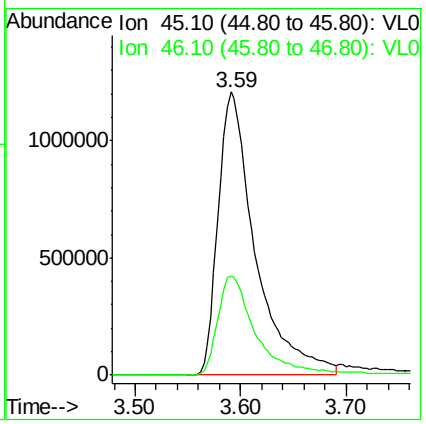


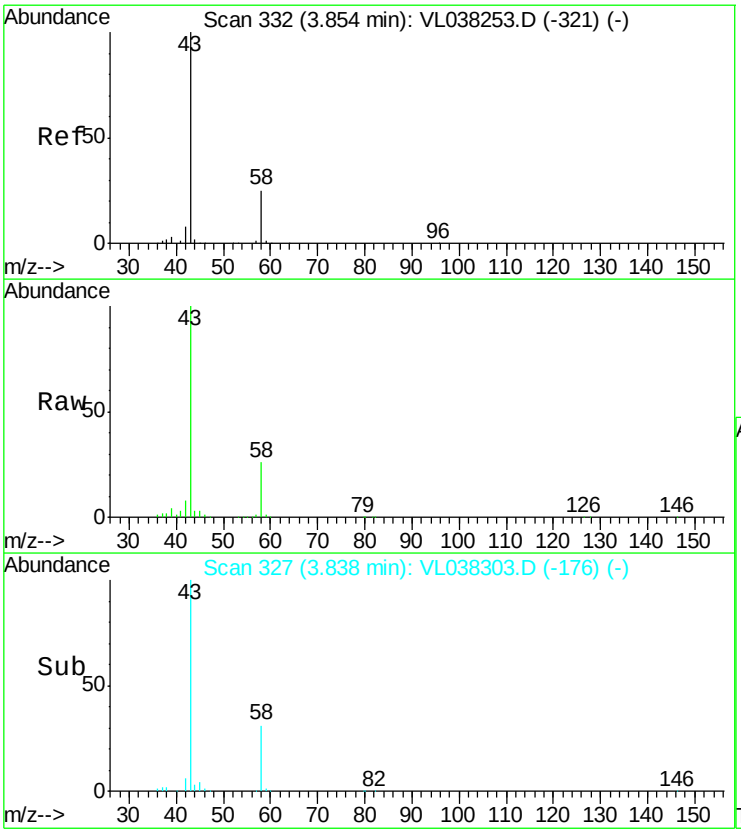
#13
Ethanol
Concen: 540.427 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 45 Resp: 2966153

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.4	61.6

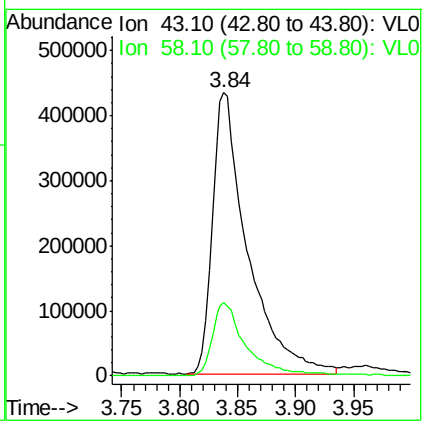


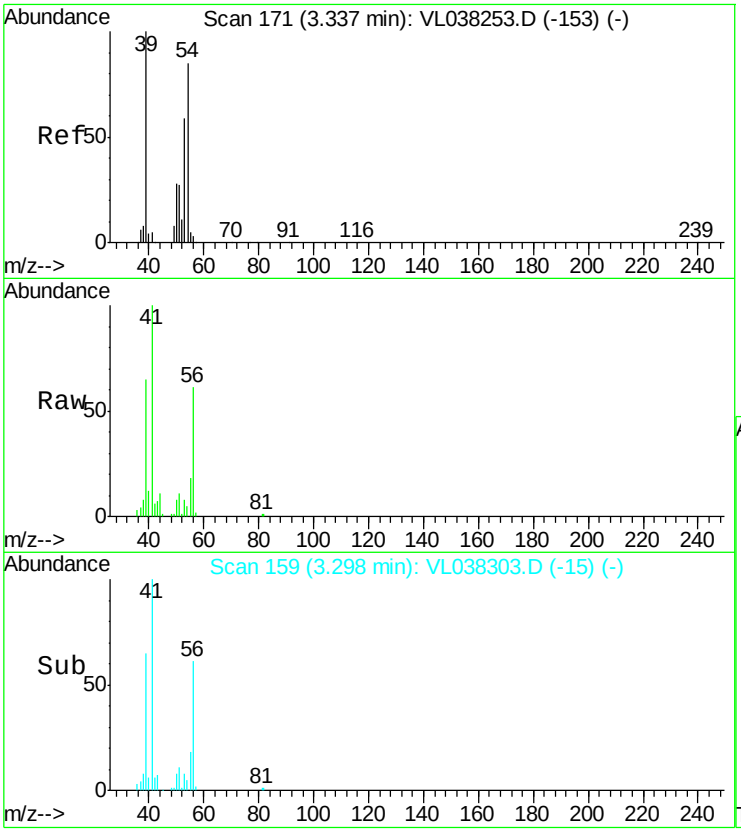


#15
Acetone
Concen: 13.197 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 43 Resp: 917820

Ion	Ratio	Lower	Upper
43	100		
58	25.8	21.5	32.3



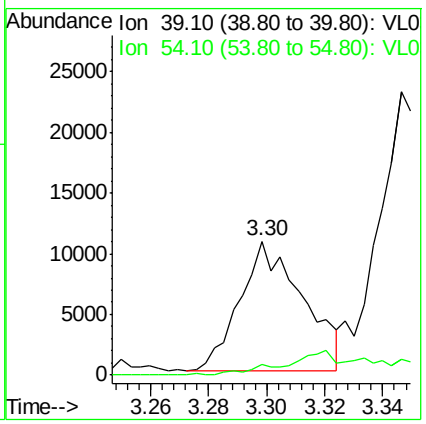


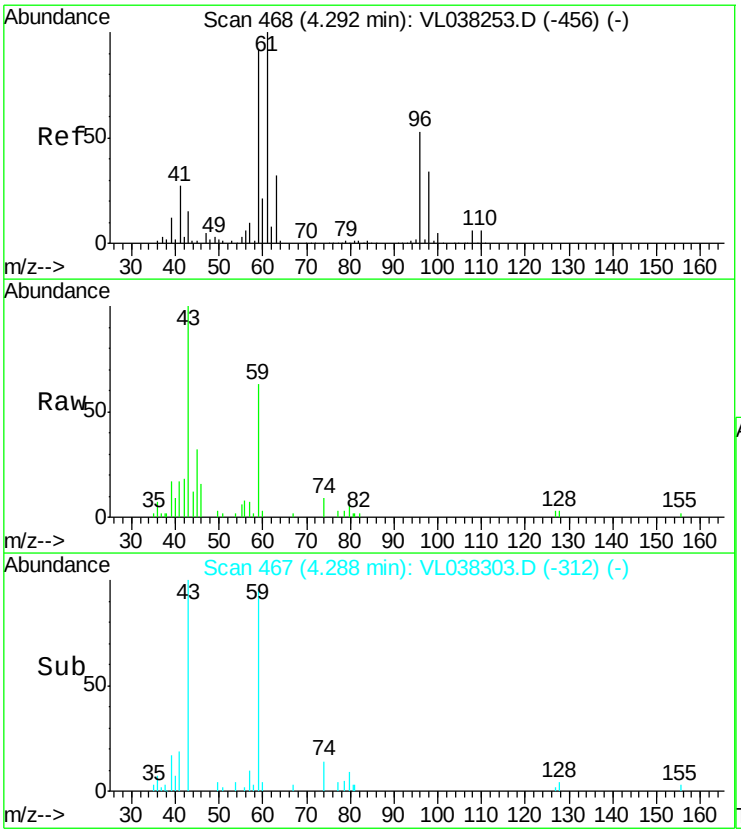
#16
1,3-Butadiene
Concen: 0.325 ppbv
RT: 3.30
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 39 Resp: 16225

Ion	Ratio	Lower	Upper
39	100		
54	27.7	62.6	94.0#

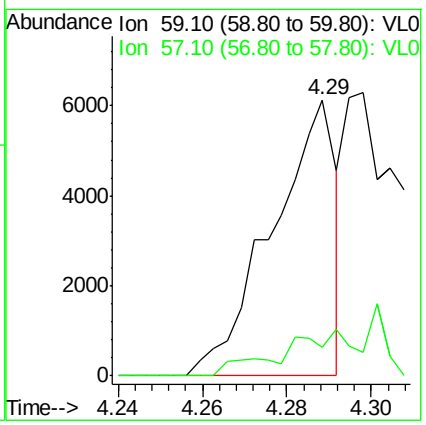


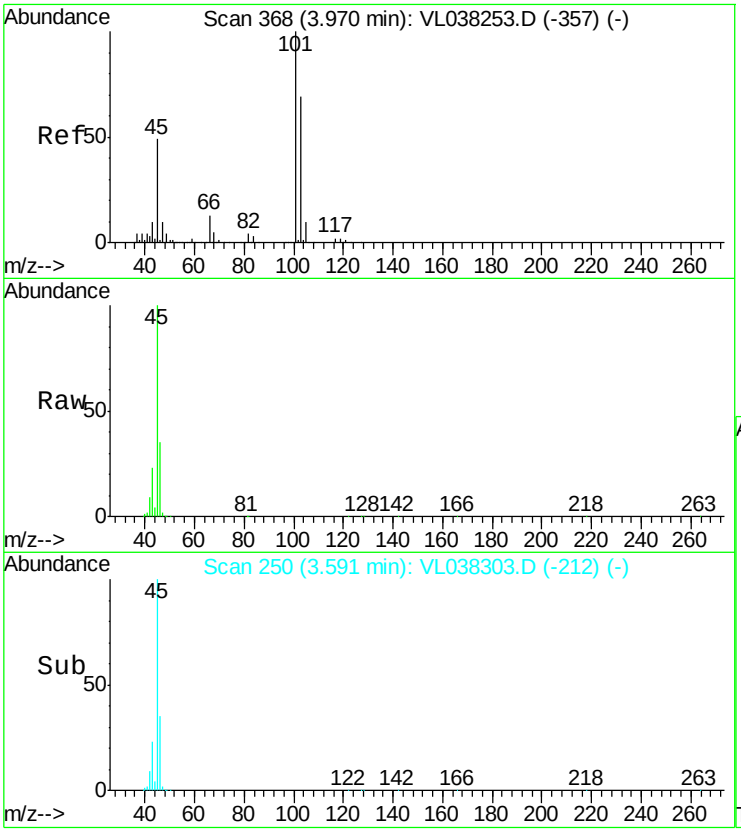


#17
tert-Butyl alcohol
Concen: 0.084 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 59 Resp: 6418

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



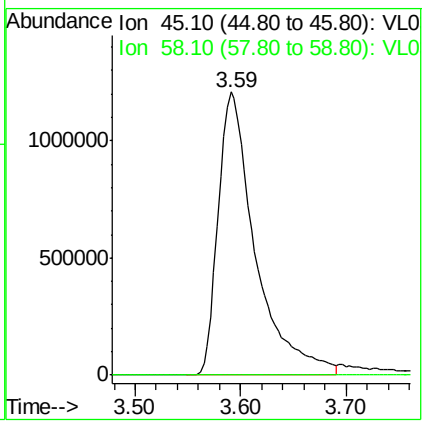


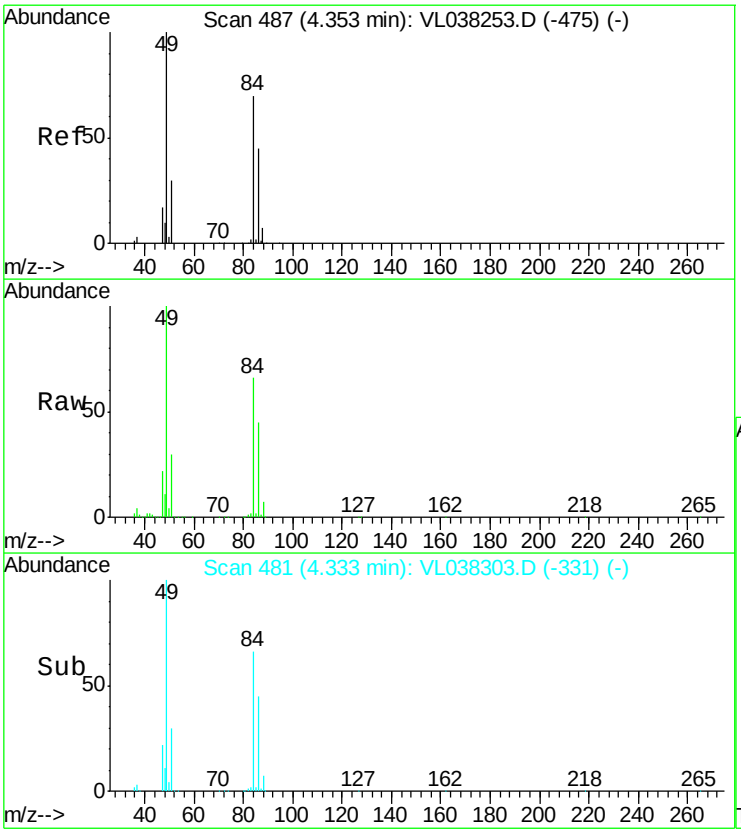
#19
Isopropyl Alcohol
Concen: 68.177 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 45 Resp: 2966153

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#

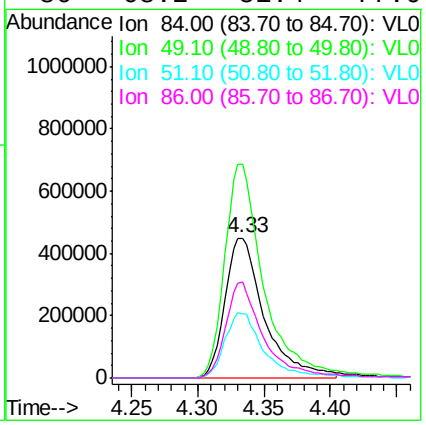


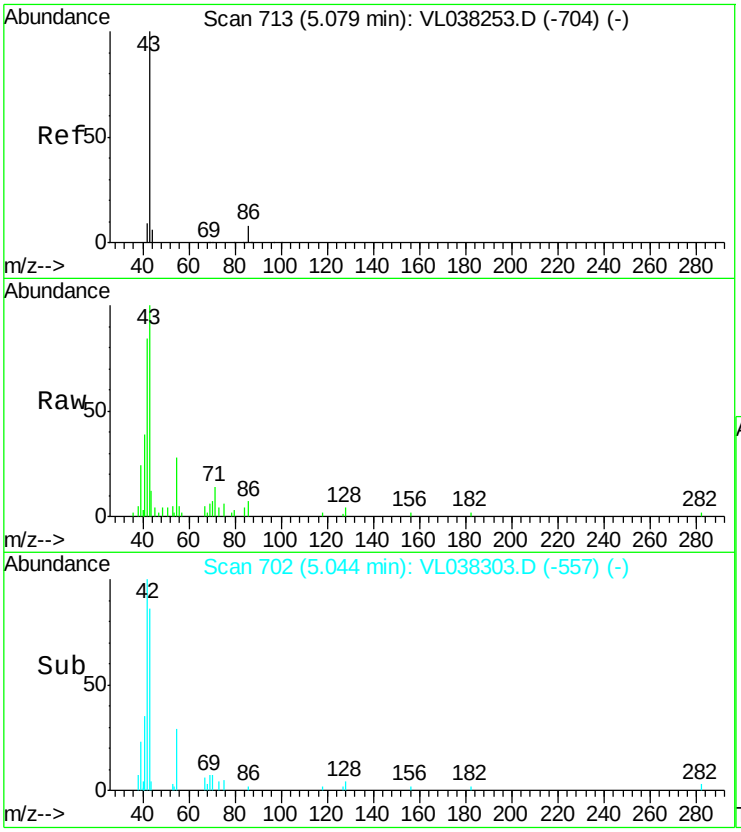


#20
Methylene Chloride
Concen: 22.925 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 84 Resp: 927290

Ion	Ratio	Lower	Upper
84	100		
49	152.3	115.0	172.6
51	46.0	35.0	52.6
86	68.2	51.4	77.0



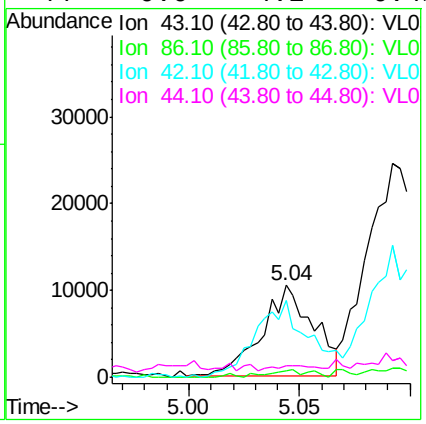


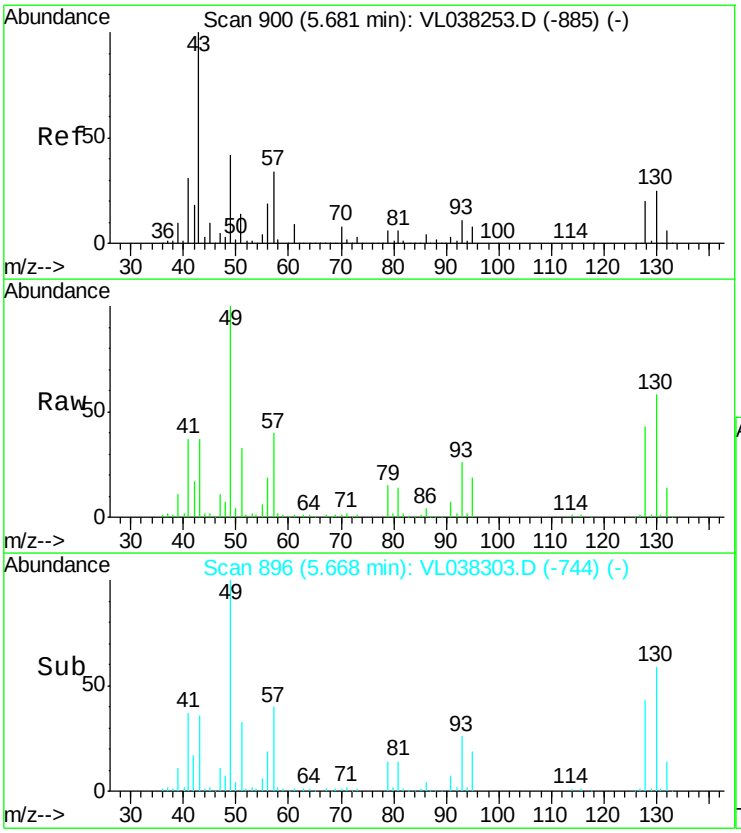
#23
Vinyl Acetate
Concen: 0.164 ppbv
RT: 5.04
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 16621

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.7	8.5
42	75.8	7.7	11.5#
44	0.0	4.2	6.4#

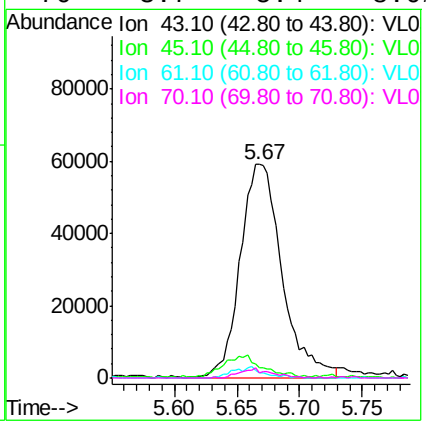


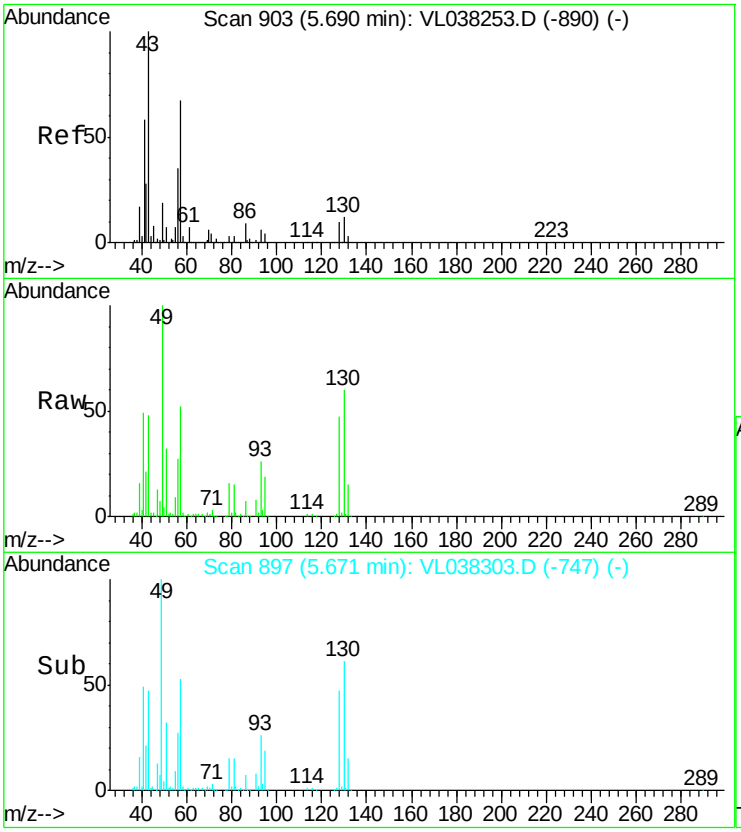


#25
Ethyl Acetate
Concen: 0.706 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 43 Resp: 137541

Ion	Ratio	Lower	Upper
43	100		
45	10.9	7.9	11.9
61	3.8	7.8	11.8#
70	3.7	5.4	8.0#



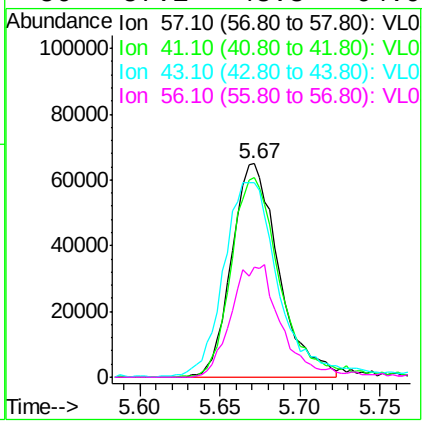


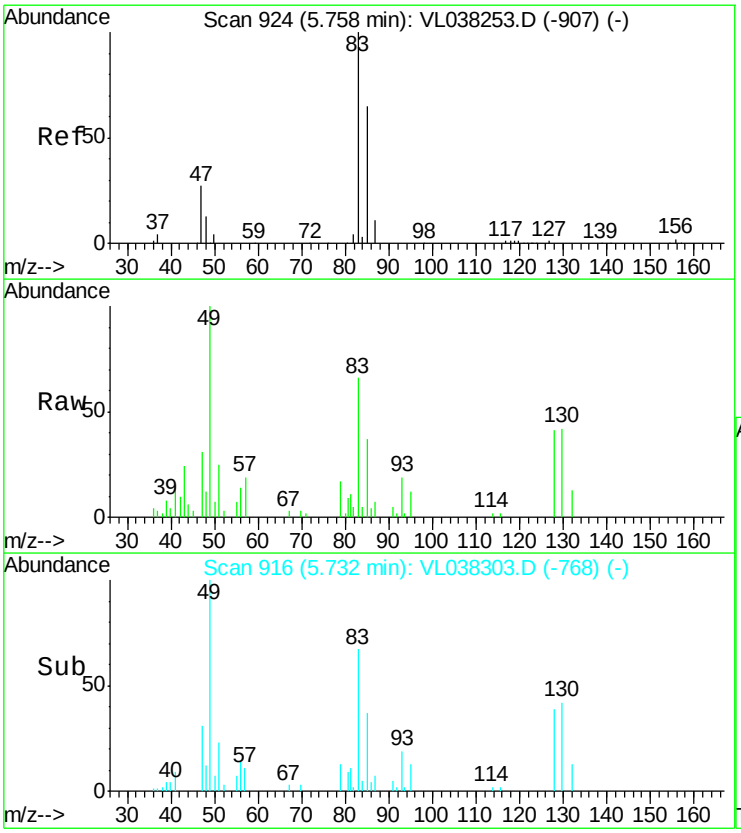
#26
Hexane
Concen: 1.443 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 57 Resp: 130705

Ion	Ratio	Lower	Upper
57	100		
41	98.9	72.8	109.2
43	107.9	177.0	265.6#
56	57.1	43.3	64.9

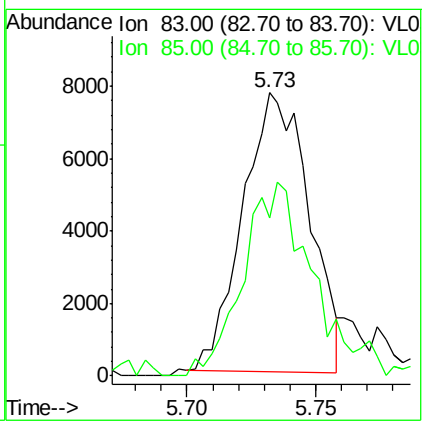


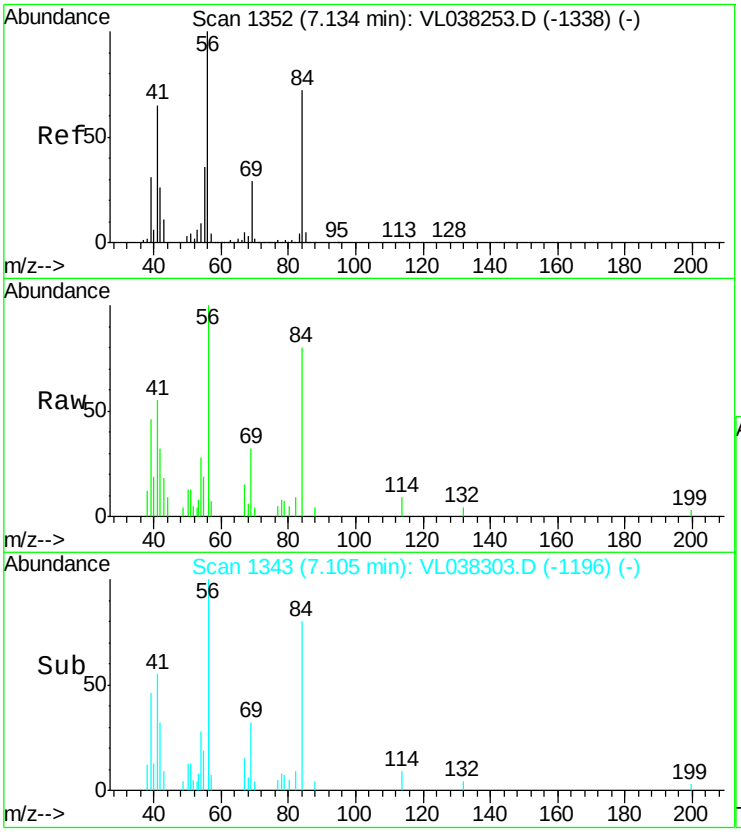


#29
Chloroform
Concen: 0.094 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 83 Resp: 13878

Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.9	77.9



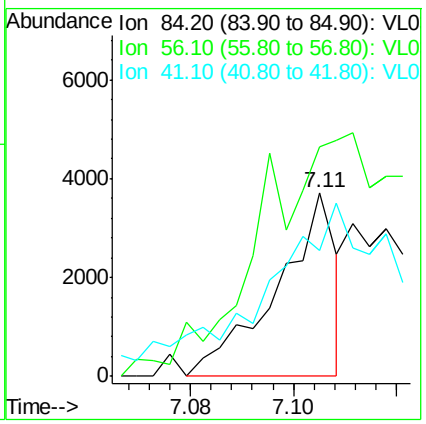


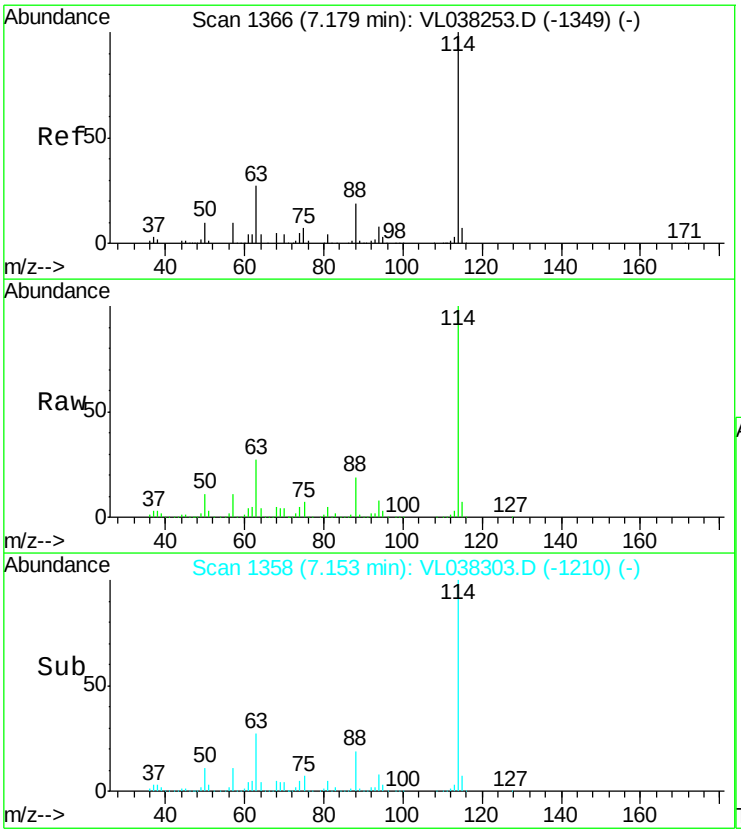
#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.11
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 84 Resp: 2917

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.7	169.1#
41	0.0	71.1	106.7#

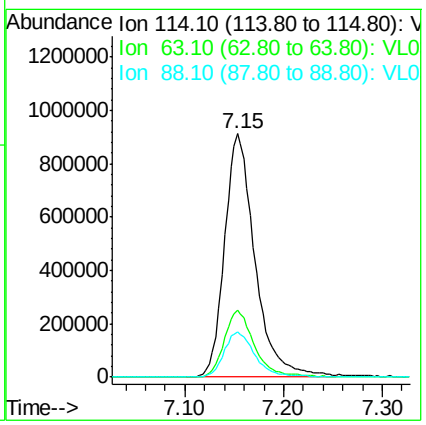


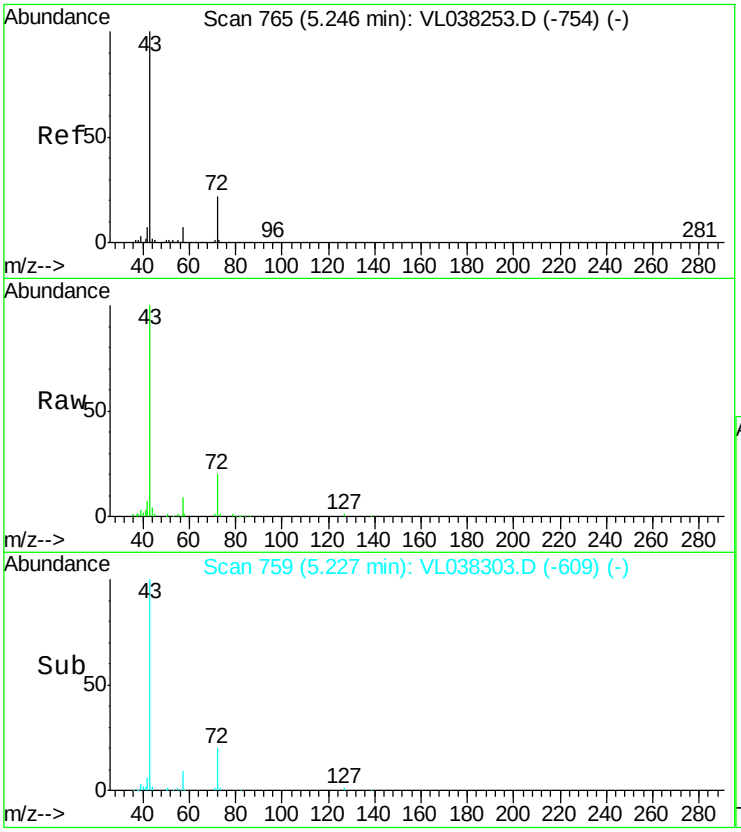


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion:114 Resp: 1965516

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.0	33.0
88	19.2	15.0	22.6



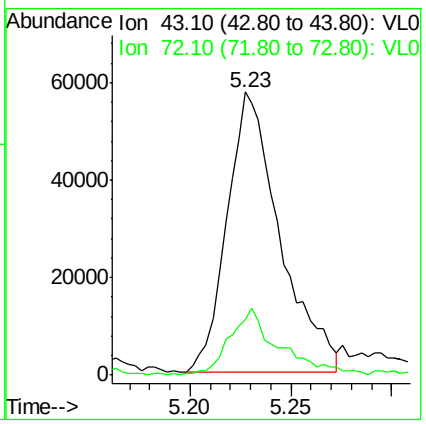


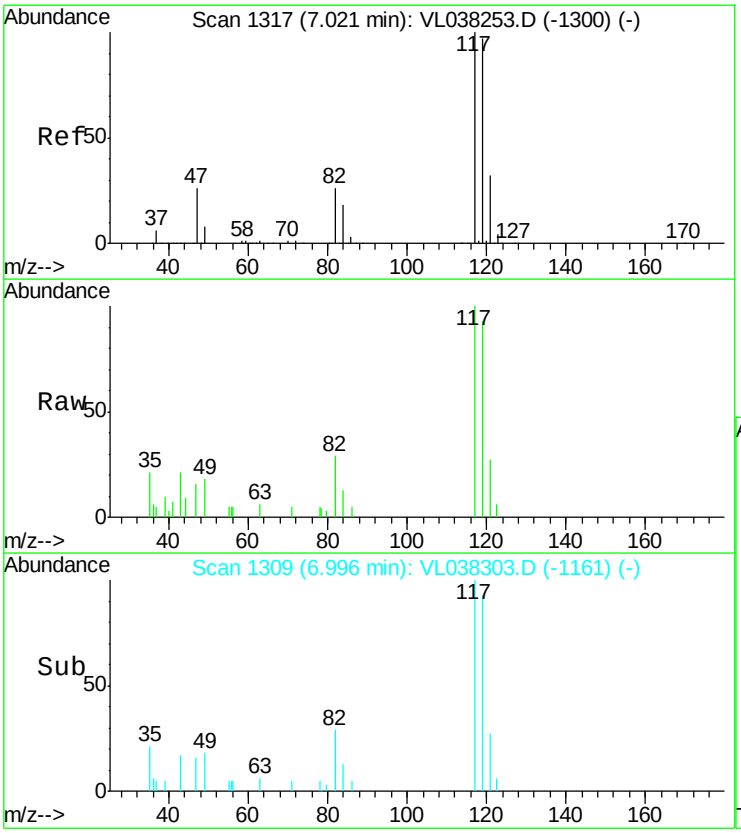
#34
2-Butanone
Concen: 1.631 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 104855

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.1	27.1

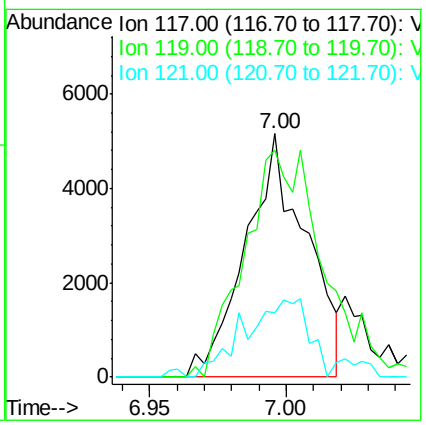


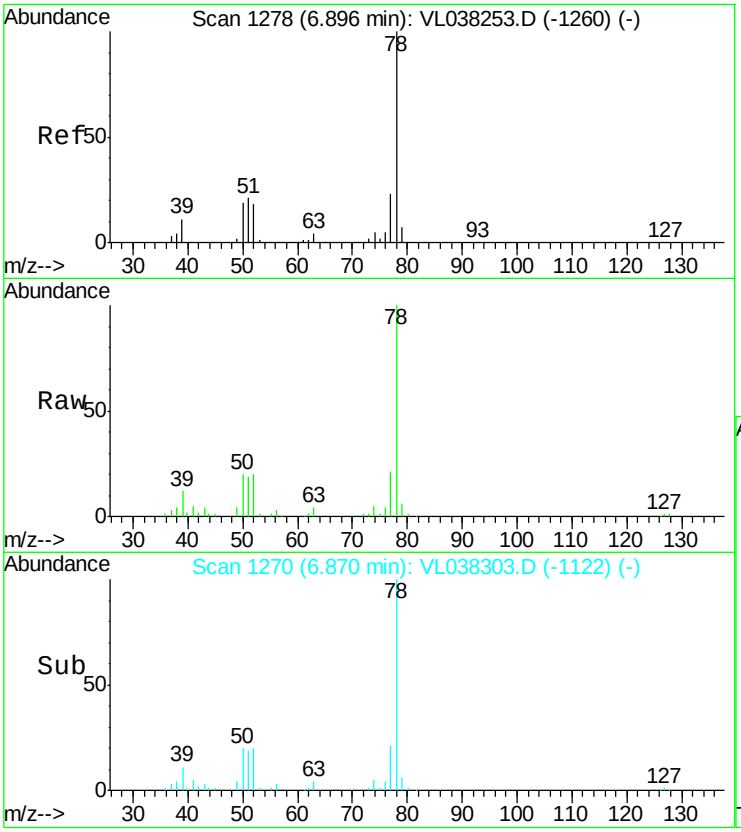


#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion:117 Resp: 7928

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.9	116.9
121	26.6	25.4	38.2



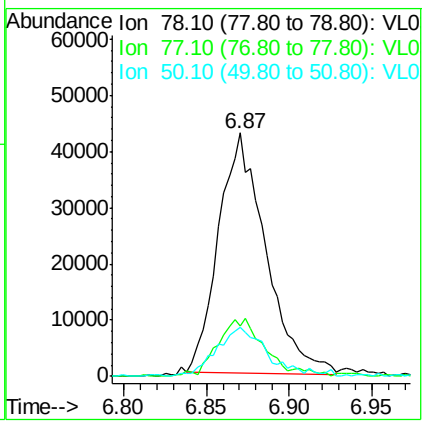


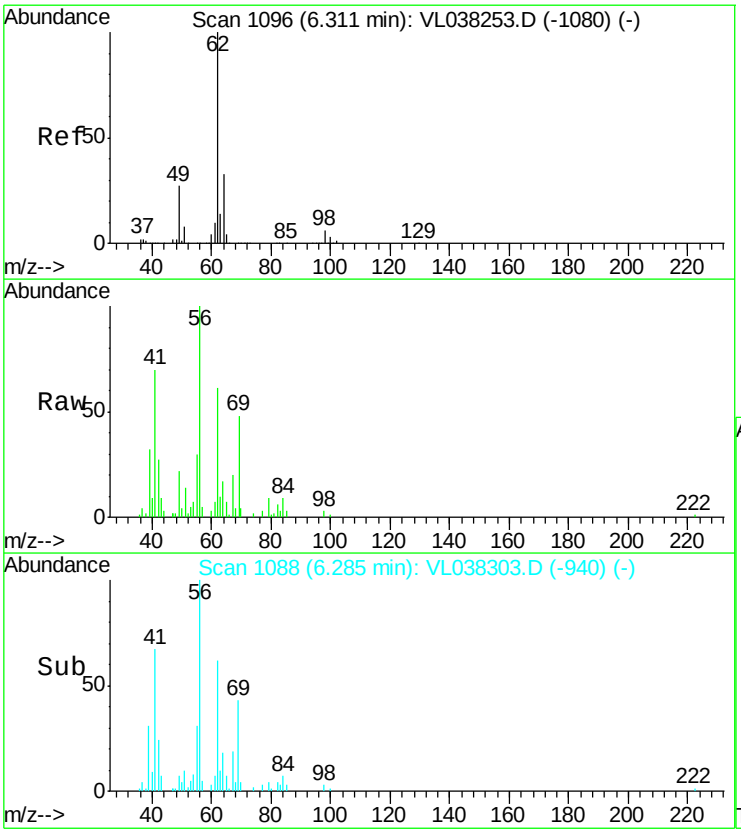
#36
Benzene
Concen: 0.485 ppbv
RT: 6.87
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 78 Resp: 84397

Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.2	27.2
50	20.6	15.1	22.7

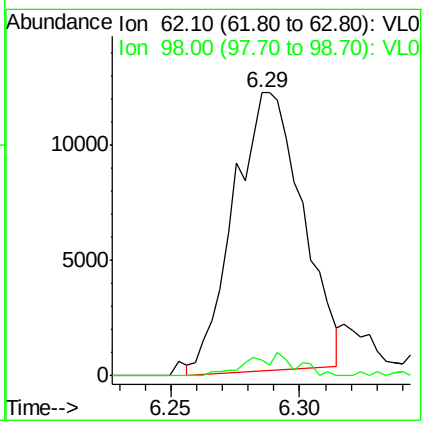


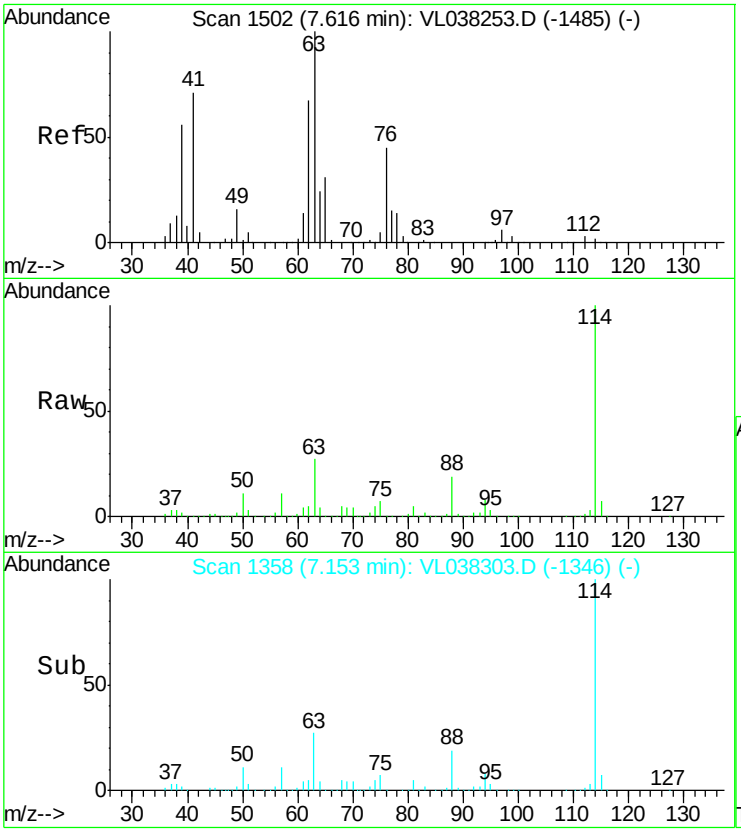


#37
1,2-Dichloroethane
Concen: 0.225 ppbv
RT: 6.29 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 62 Resp: 22388

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7



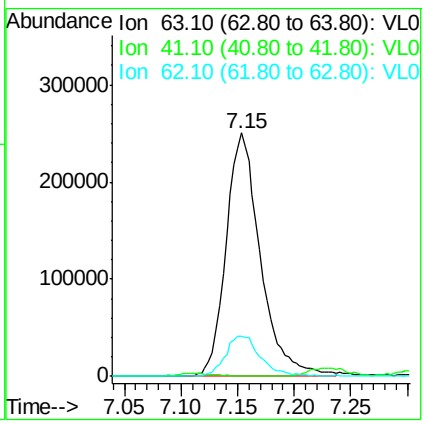


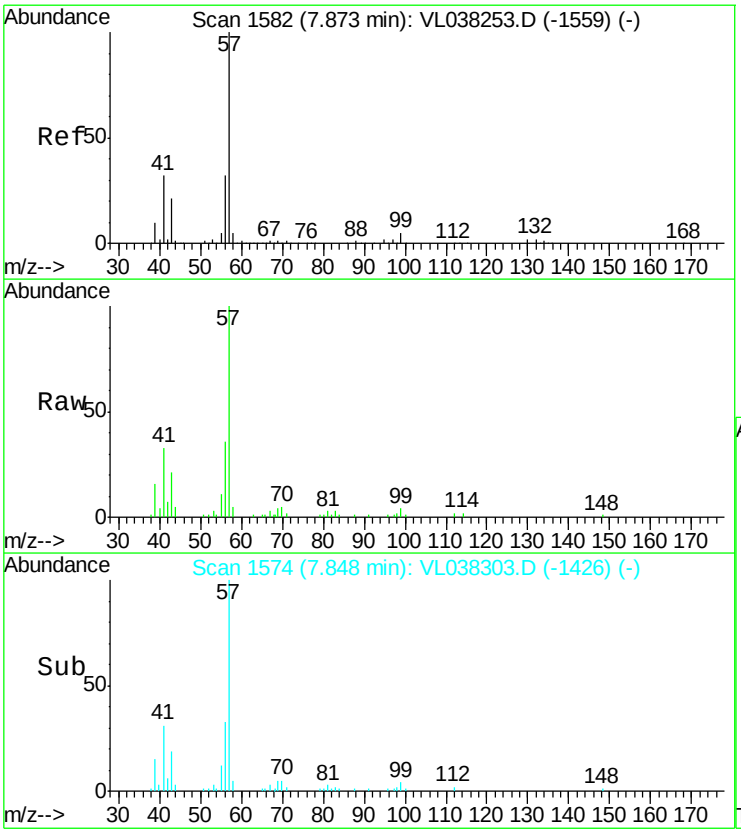
#39
1,2-Dichloropropane
Concen: 7.513 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 63 Resp: 529574

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.6	85.0#
62	16.5	53.9	80.9#

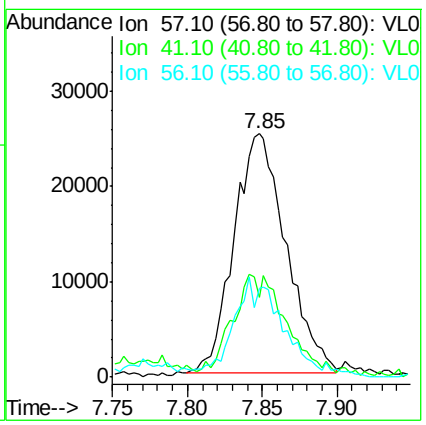


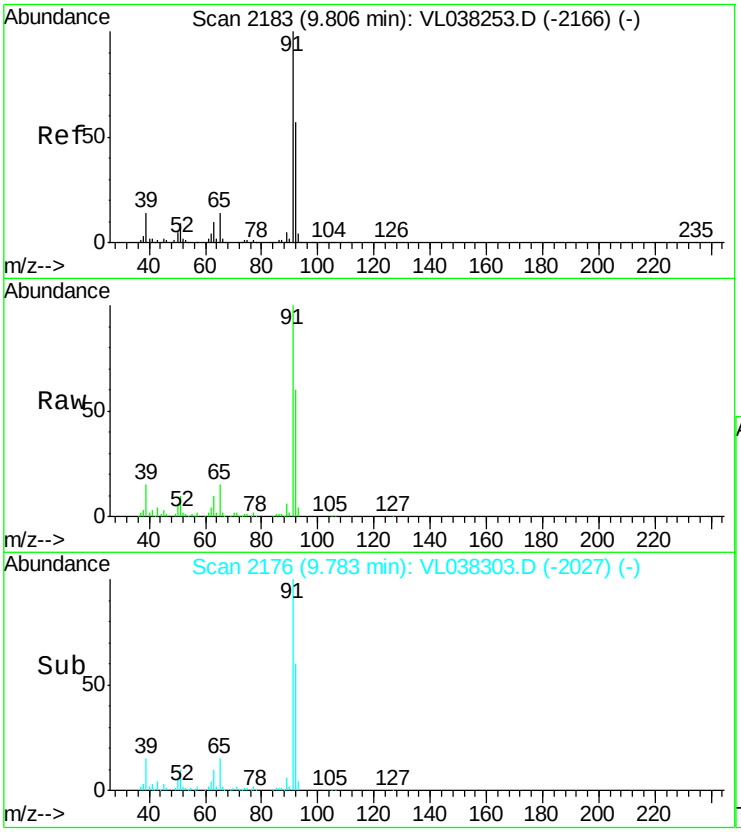


#44
2,2,4-Trimethylpentane
Concen: 0.200 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 57 Resp: 61163

Ion	Ratio	Lower	Upper
57	100		
41	46.4	26.3	39.5#
56	39.5	25.2	37.8#



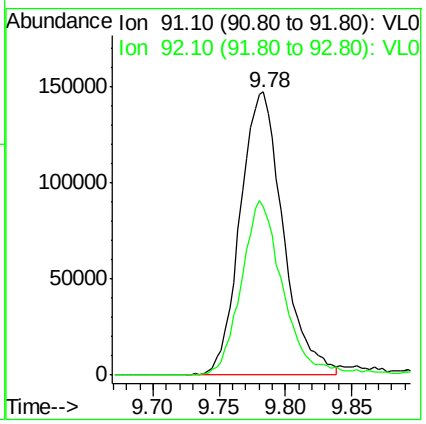


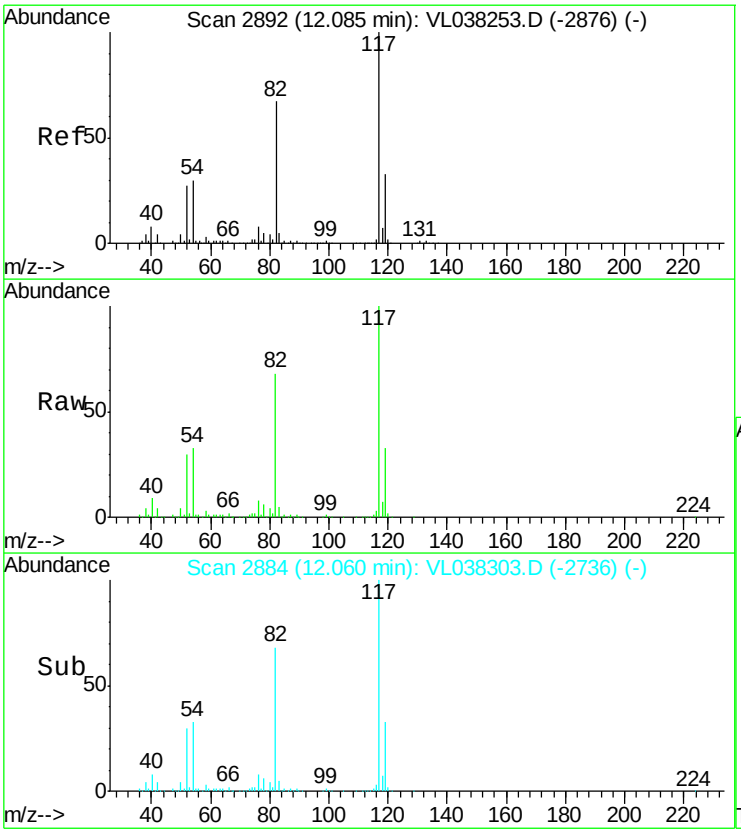
#53
Toluene
Concen: 1.723 ppbv
RT: 9.78
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 331480

Ion	Ratio	Lower	Upper
91	100		
92	61.8	47.4	71.0

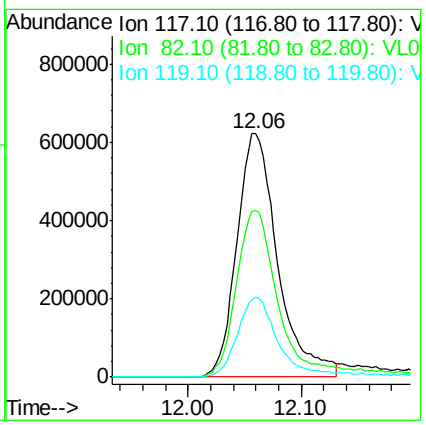


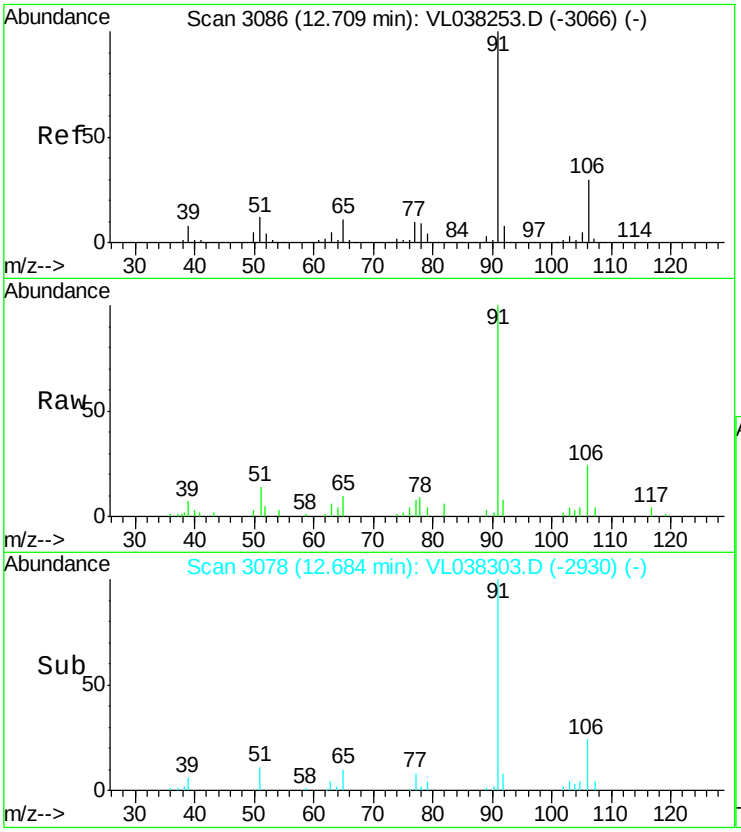


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion:117 Resp: 1567176

Ion	Ratio	Lower	Upper
117	100		
82	73.7	54.4	81.6
119	34.5	45.9	68.9#



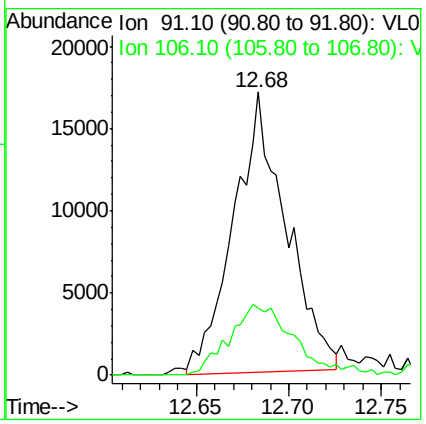


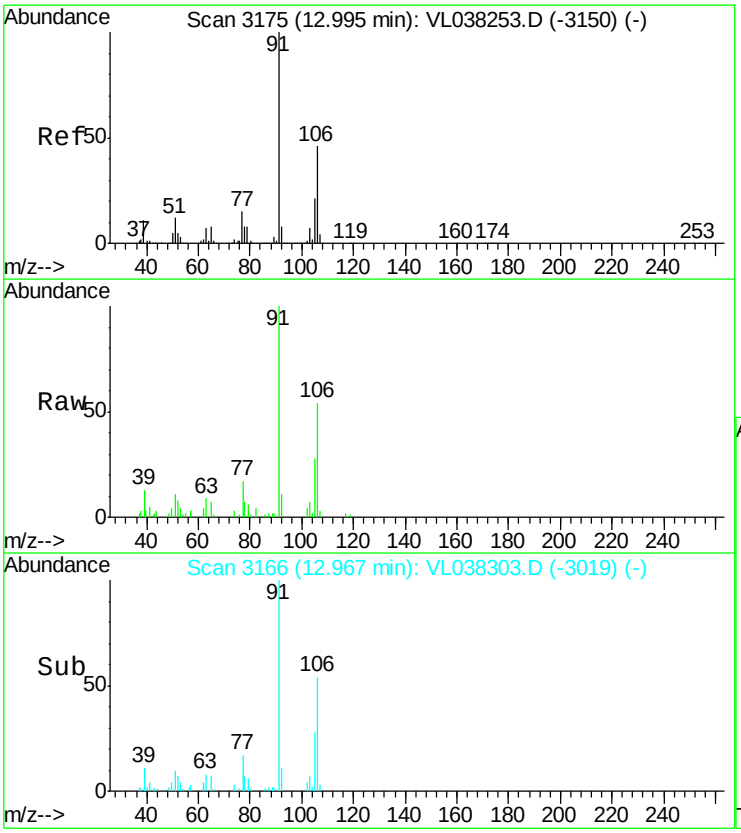
#58
Ethyl Benzene
Concen: 0.145 ppbv
RT: 12.68
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 33480

Ion	Ratio	Lower	Upper
91	100		
106	24.2	24.1	36.1

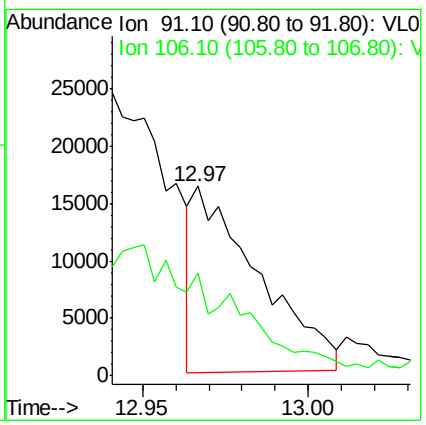


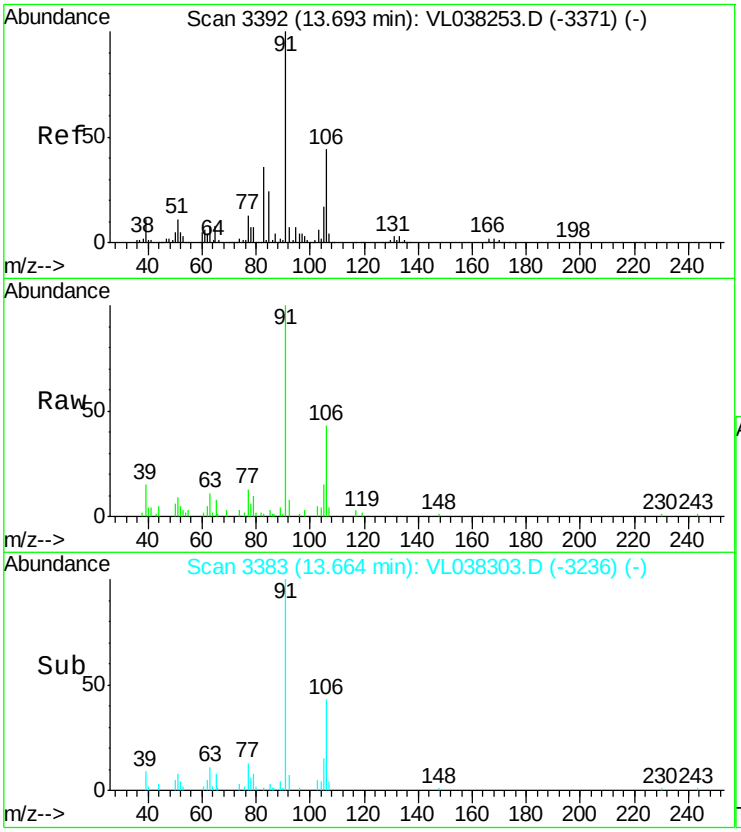


#59
m/p-Xylene
Concen: 0.112 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion: 91 Resp: 21960

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.8	52.2#



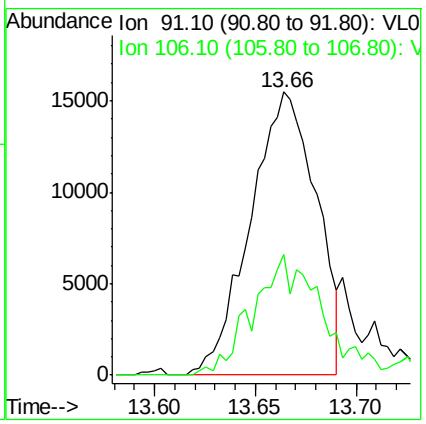


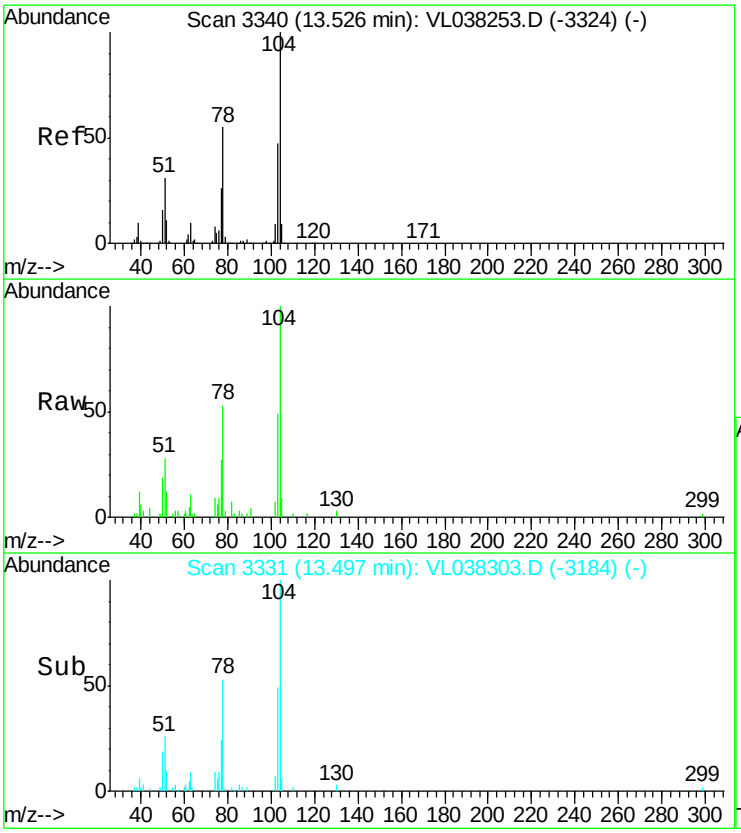
#60
o-Xylene
Concen: 0.192 ppbv
RT: 13.66
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 35175

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.2	66.6

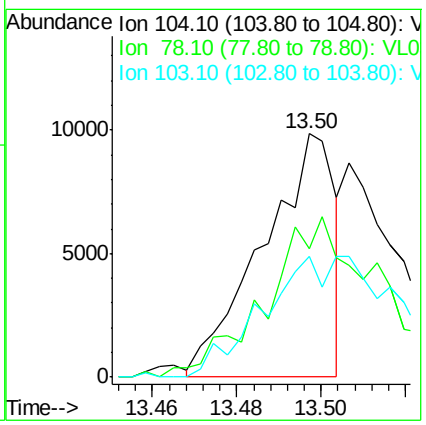


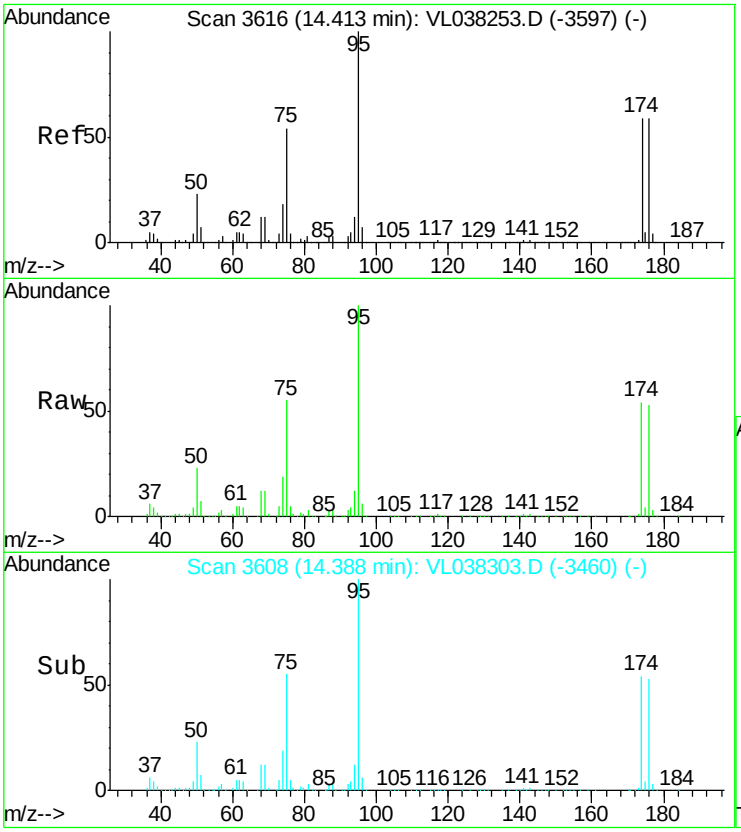


#61
Styrene
Concen: 0.137 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.03 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion:104 Resp: 11695

Ion	Ratio	Lower	Upper
104	100		
78	115.6	44.2	66.4#
103	0.0	38.2	57.4#



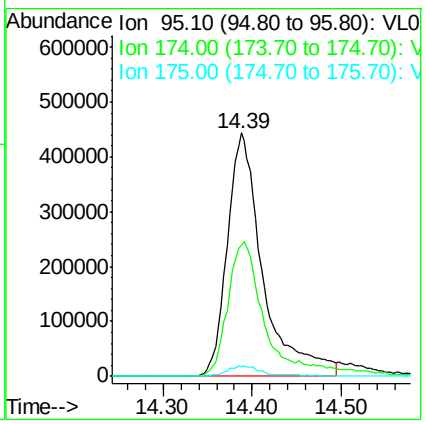


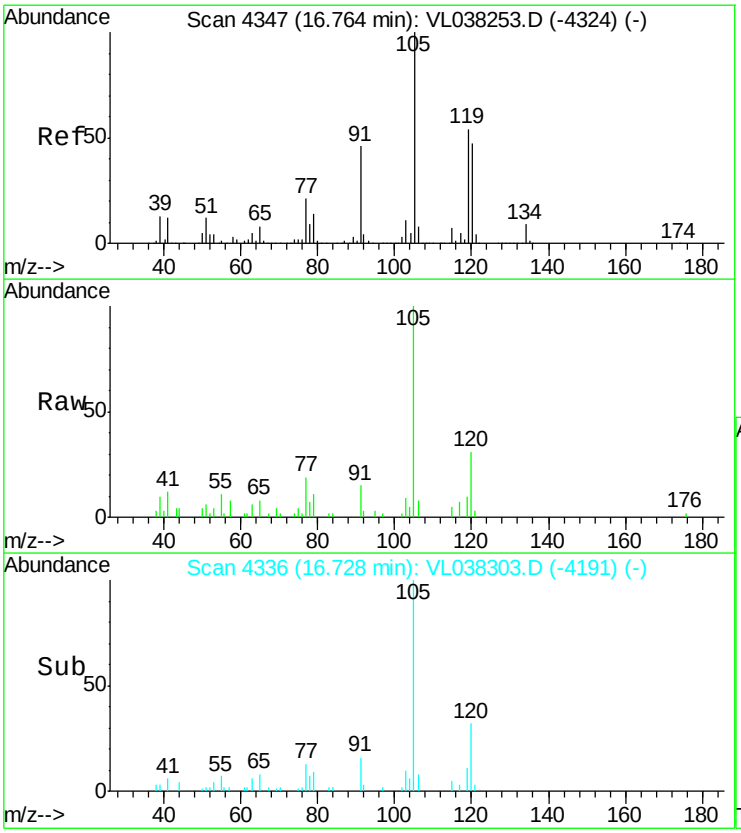
#68
1-Bromo-4-Fluorobenzene
Concen: 10.340 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 27 Jan 2022 19:20

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 95 Resp: 1229897

Ion	Ratio	Lower	Upper
95	100		
174	60.3	48.3	72.5
175	4.6	3.5	5.3





#74
1,2,4-Trimethylbenzene
Concen: 0.052 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.04 min
Lab File: VL038303.D
Acq: 27 Jan 2022 19:20

Tgt Ion:105 Resp: 9333

Ion	Ratio	Lower	Upper
105	100		
120	25.4	37.2	55.8#
91	7.8	36.6	55.0#
77	14.4	16.9	25.3#