Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030322\
Data File : VL038511.D
Acq On : 3 Mar 2022 12:50
Operator : SY/AP
Sample : N1607-09DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MP-3DL

Quant Time: Mar 04 04:33:04 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	834052	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.17	114	1927121	10.00	ppbv		0.01
55) Chlorobenzene-d5	12.08	117	1814622	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1501132	10.00	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	20451	0.155	ppbv		89
3) Chlorodifluoromethane	3.03	51	19500	0.132	ppbv	#	60
4) Chloromethane	3.13	50	2081	0.041	ppbv		89
9) Propene	3.02	41	7694	0.158	ppbv		94
10) Heptane	8.12	43	4468	0.038	ppbv	#	28
11) Trichlorofluoromethane	3.95	101	6677	0.053	ppbv		97
13) Ethanol	3.61	45	960	0.198	ppbv	#	1
15) Acetone	3.85	43	82016	1.156	ppbv		93
17) tert-Butyl alcohol	4.30	59	2925	0.041	ppbv	#	17
19) Isopropyl Alcohol	3.98	45	21048	0.512	ppbv	#	93
20) Methylene Chloride	4.34	84	220307	6.269	ppbv		95
25) Ethyl Acetate	5.68	43	103545	0.543	ppbv	#	78
26) Hexane	5.68	57	141254	1.637	ppbv	#	43
34) 2-Butanone	5.24	43	3536	0.058	ppbv	#	33
39) 1,2-Dichloropropane	7.17	63	530558	7.851	ppbv	#	26
44) 2,2,4-Trimethylpentane	7.86	57	17413	0.060	ppbv	#	1
51) 2-Hexanone	10.11	43	4235	0.088	ppbv	#	35
53) Toluene	9.80	91	173291	0.941	ppbv		99
58) Ethyl Benzene	12.70	91	13772	0.056	ppbv		94
59) m/p-Xylene	12.97	91	32154	0.151	ppbv	#	33
60) o-Xylene	13.68	91	8268	0.041	ppbv	#	1
64) n-propylbenzene	15.55	120	2204	0.033	ppbv	#	1
66) Benzyl Chloride	16.98	91	409	0.032	ppbv	#	69
67) sec-Butylbenzene	17.29	105	13632	0.041	ppbv		93
72) 4-Ethyltoluene	15.83	105	27613	0.124	ppbv	#	89
73) 1,3,5-Trimethylbenzene	15.99	105	26697	0.132	ppbv		93
74) 1,2,4-Trimethylbenzene	16.75	105	85109	0.400	ppbv	#	71

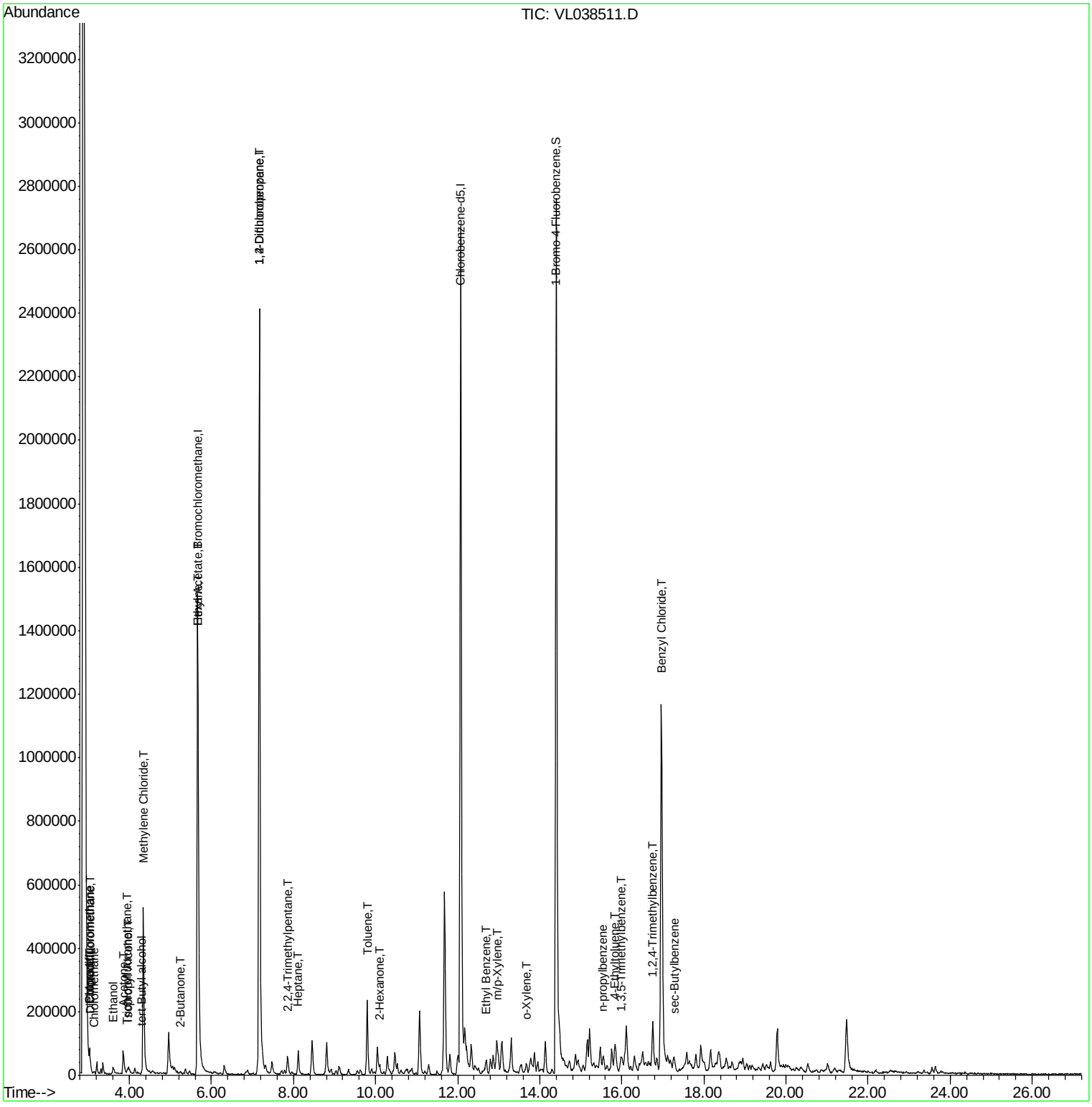
(#) = qualifier out of range (m) = manual integration (+) = signals summed

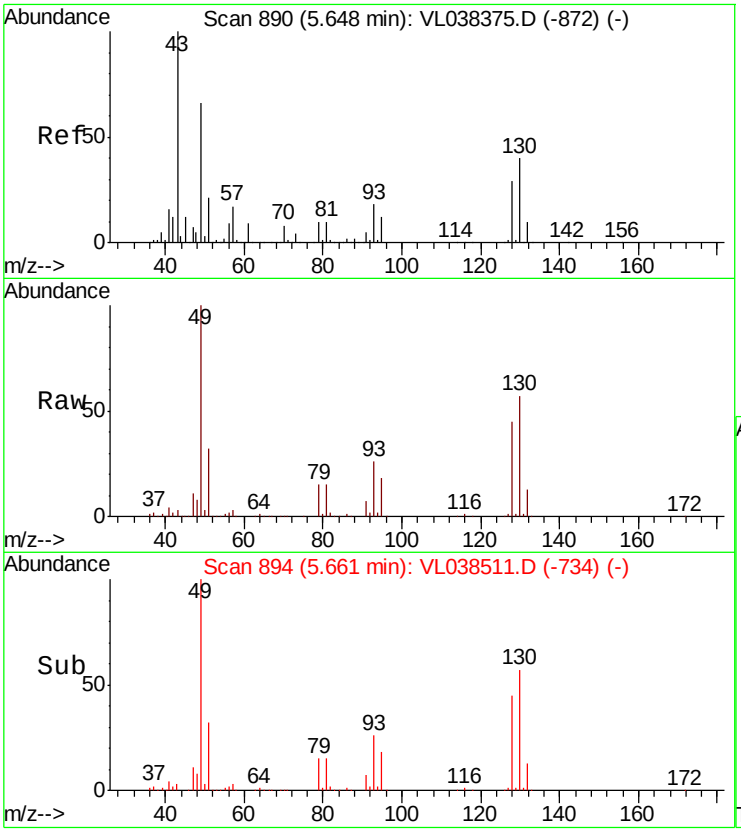
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030322\
Data File : VL038511.D
Acq On : 3 Mar 2022 12:50
Operator : SY/AP
Sample : N1607-09DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Quant Time: Mar 04 04:33:04 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



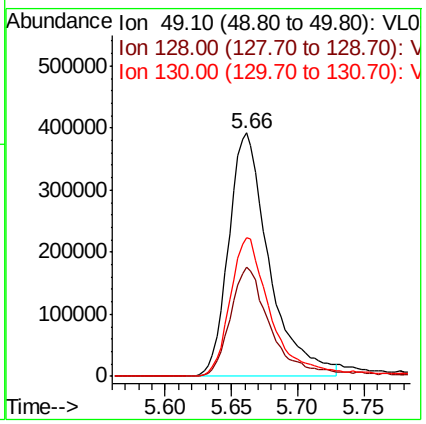


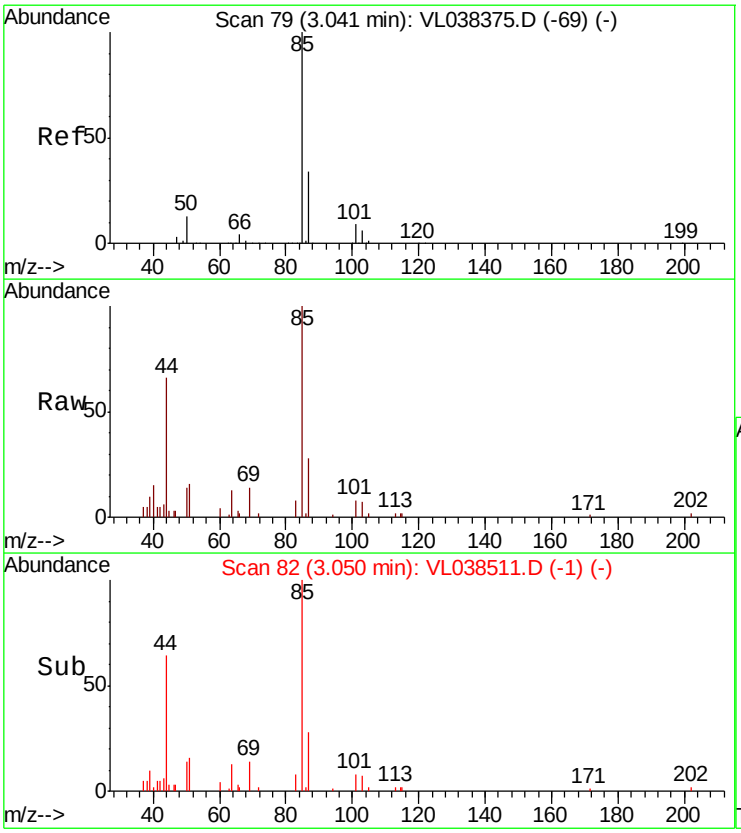
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 49 Resp: 834052

Ion	Ratio	Lower	Upper
49	100		
128	46.8	24.3	72.9
130	59.5	30.1	90.5

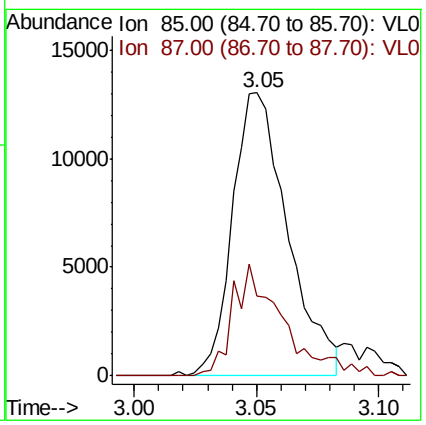


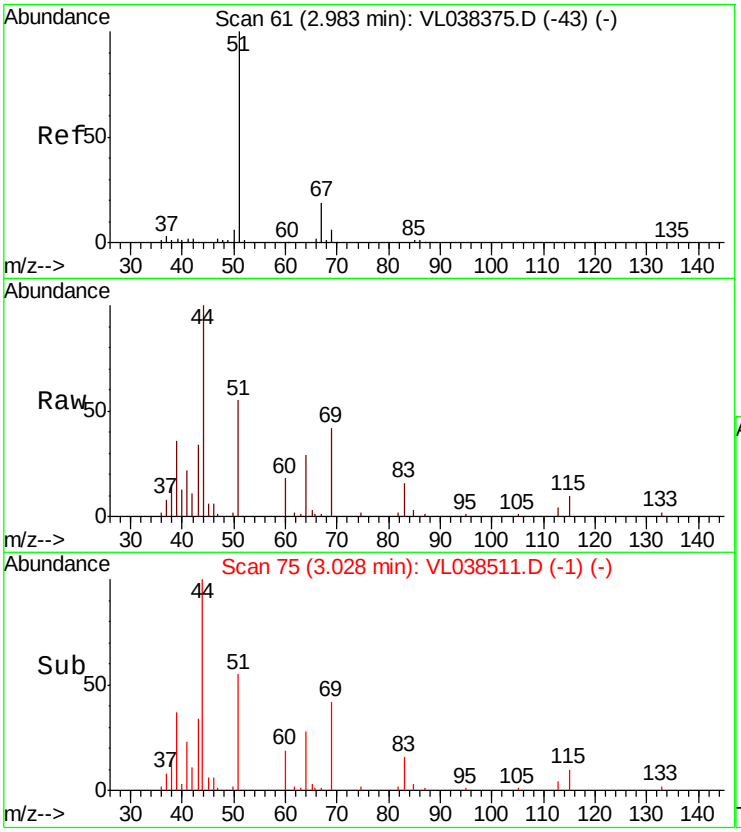


#2
Dichlorodifluoromethane
Concen: 0.155 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 85 Resp: 20451

Ion	Ratio	Lower	Upper
85	100		
87	28.1	27.4	41.0



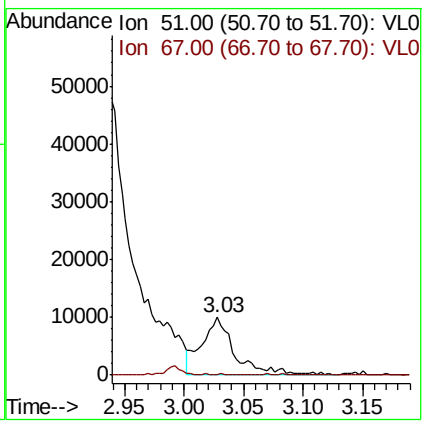


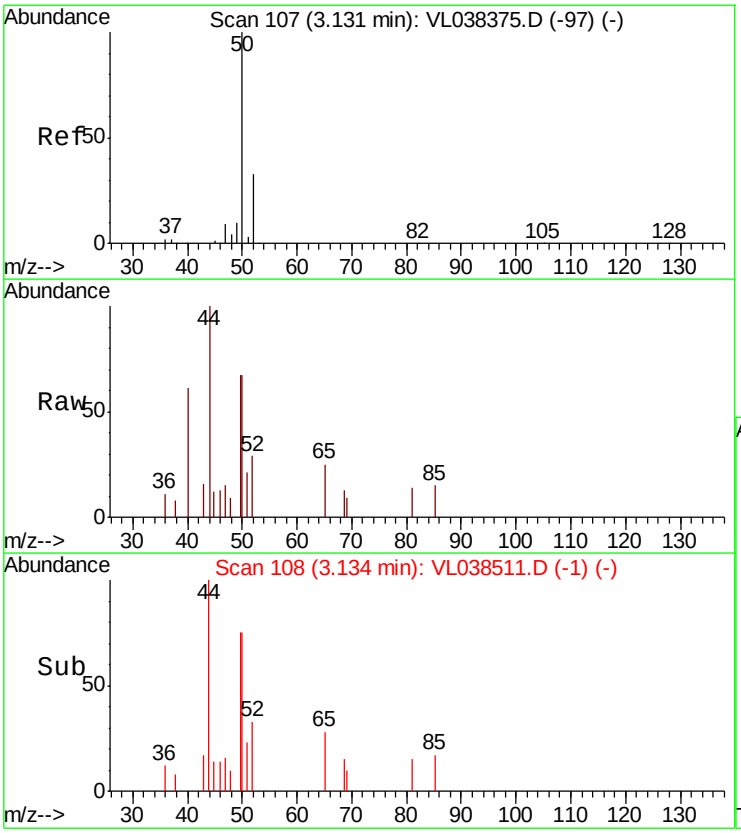
#3
Chlorodifluoromethane
Concen: 0.132 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 51 Resp: 19500

Ion	Ratio	Lower	Upper
51	100		
67	0.4	14.7	22.1#

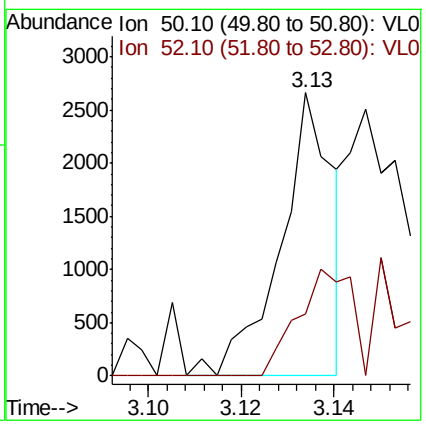


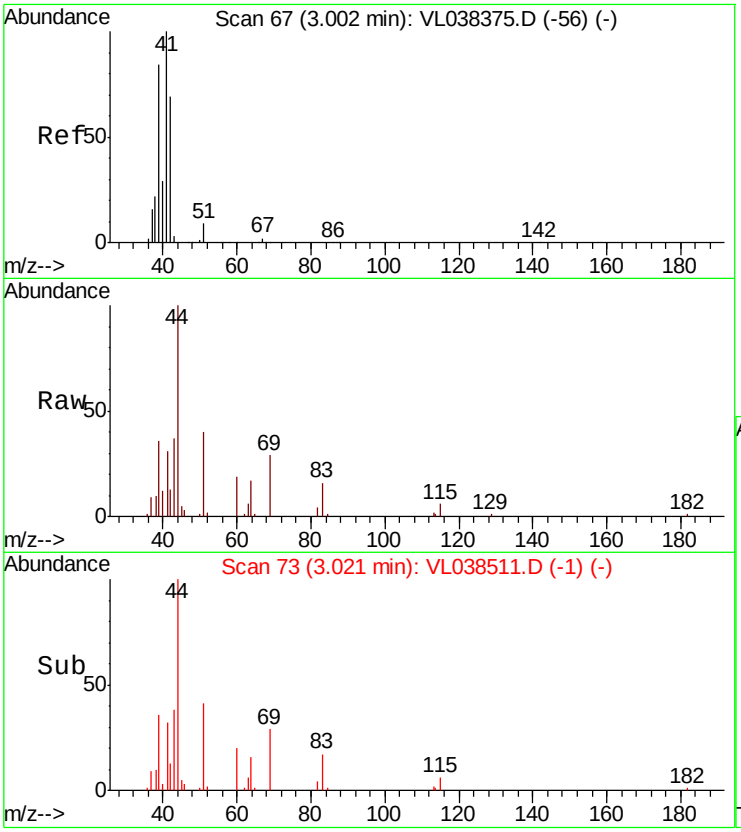


#4
Chloromethane
Concen: 0.041 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 50 Resp: 2081

Ion	Ratio	Lower	Upper
50	100		
52	27.0	26.5	39.7



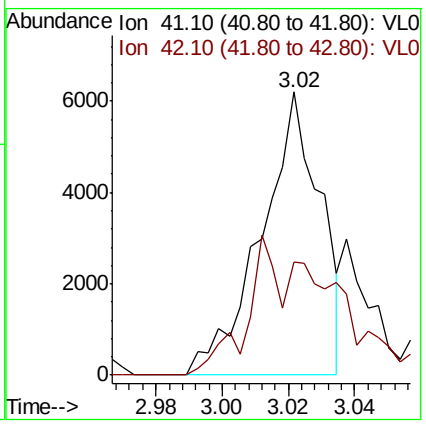


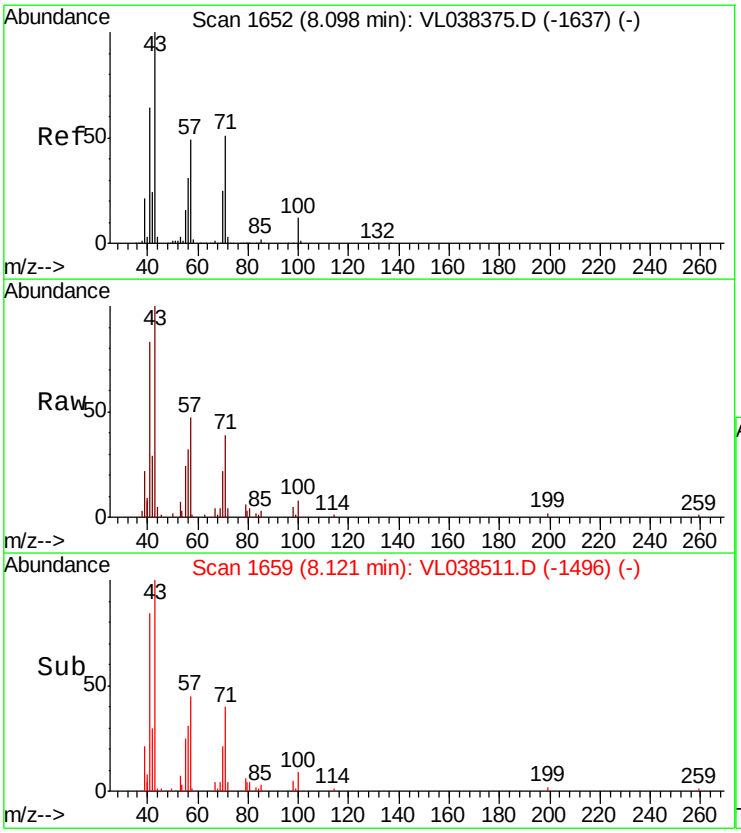
#9
Propene
Concen: 0.158 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 41 Resp: 7694

Ion	Ratio	Lower	Upper
41	100		
42	73.4	54.6	82.0

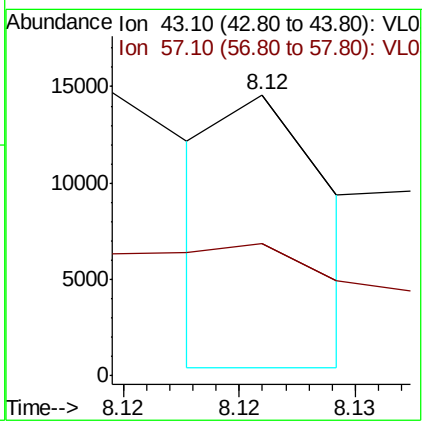


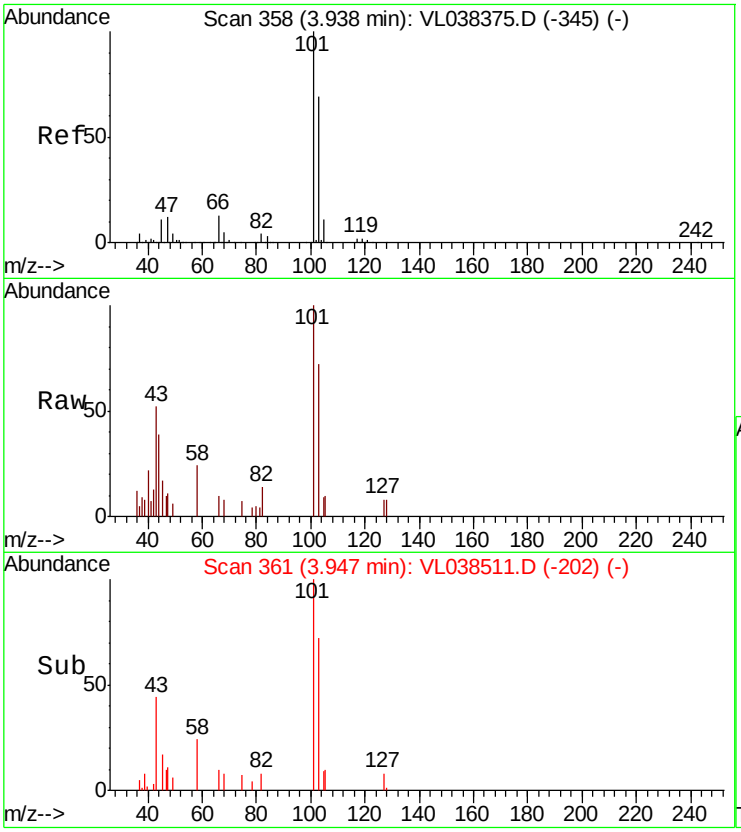


#10
Heptane
Concen: 0.038 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 43 Resp: 4468

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.8#



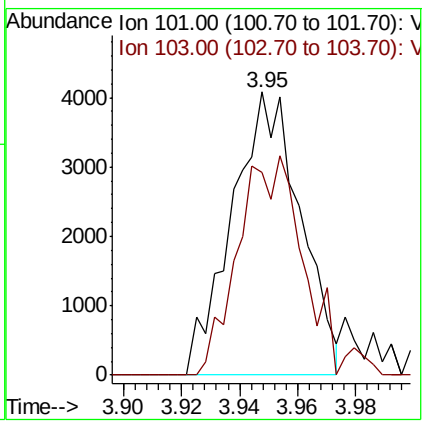


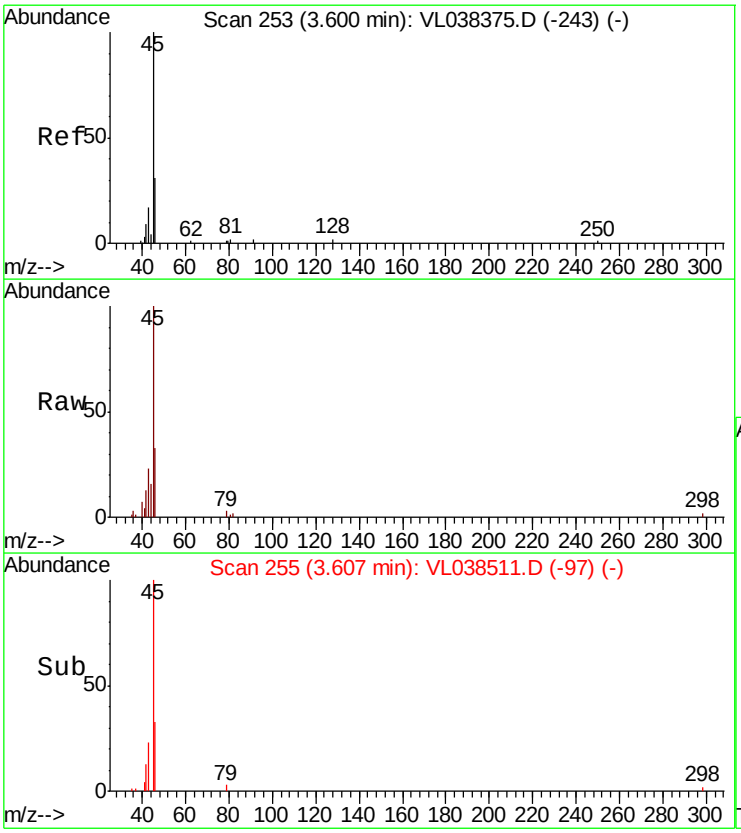
#11
Trichlorofluoromethane
Concen: 0.053 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:101 Resp: 6677

Ion	Ratio	Lower	Upper
101	100		
103	71.5	55.0	82.4

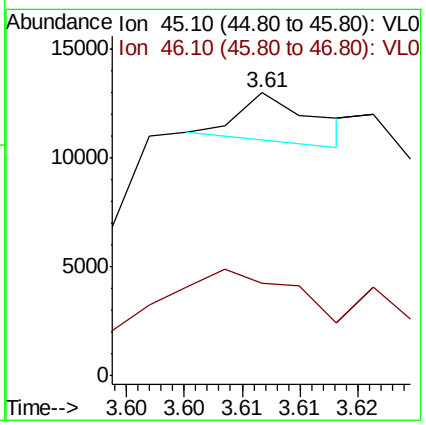


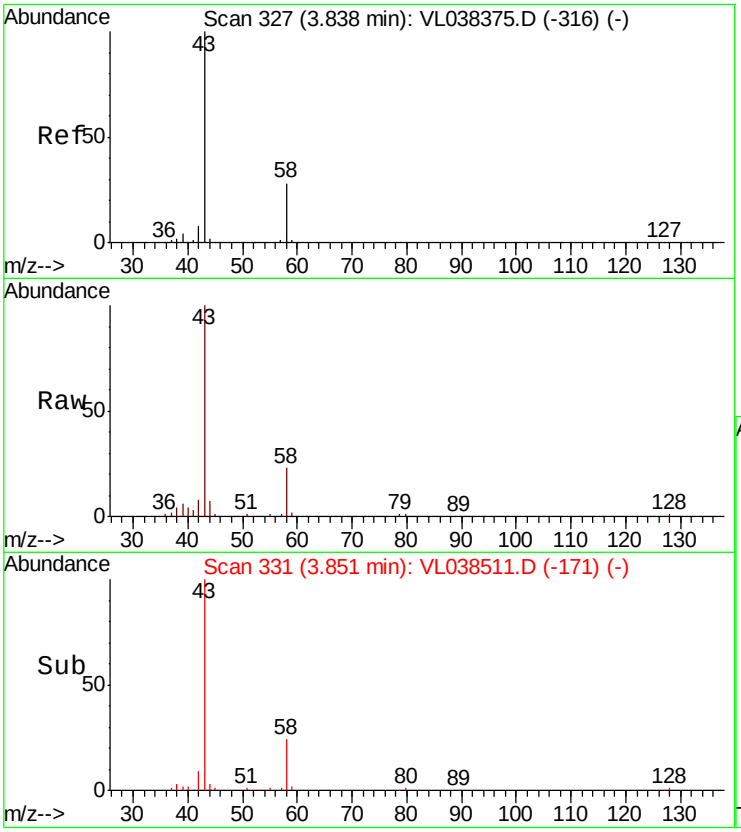


#13
Ethanol
Concen: 0.198 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 45 Resp: 960

Ion	Ratio	Lower	Upper
45	100		
46	1499.4	18.2	72.8#



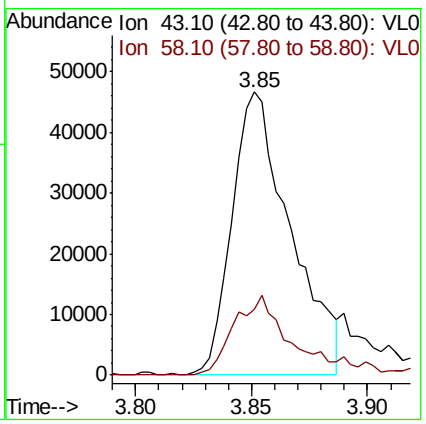


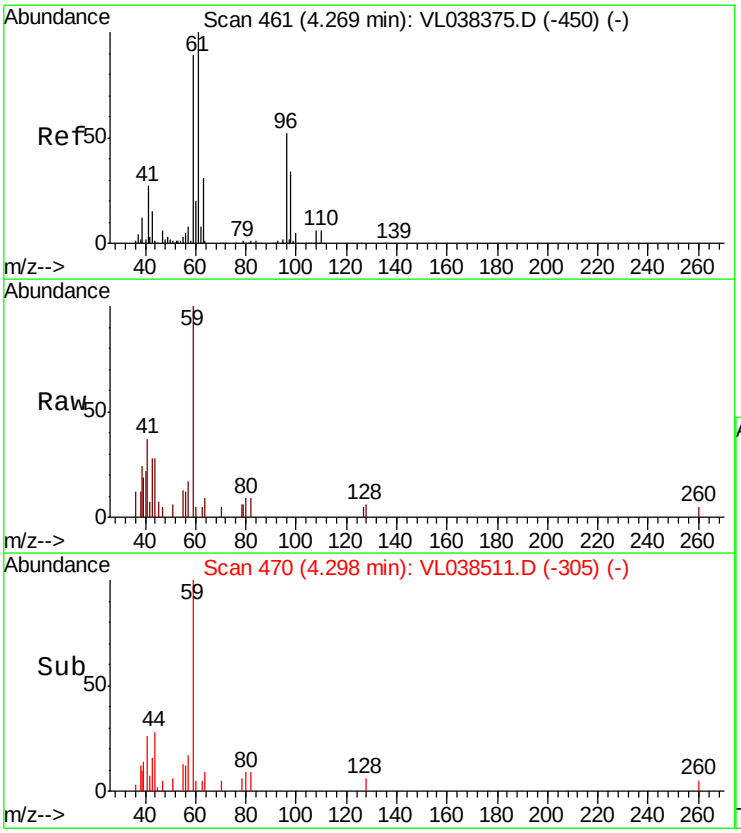
#15
Acetone
Concen: 1.156 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 43 Resp: 82016

Ion	Ratio	Lower	Upper
43	100		
58	30.6	21.7	32.5

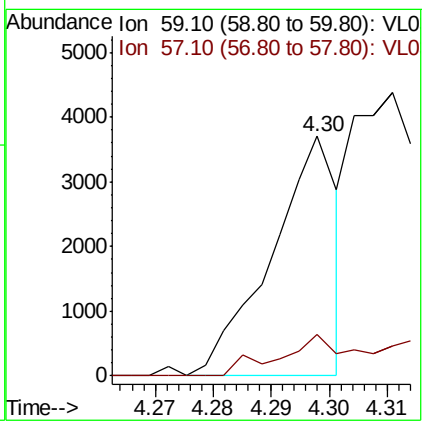


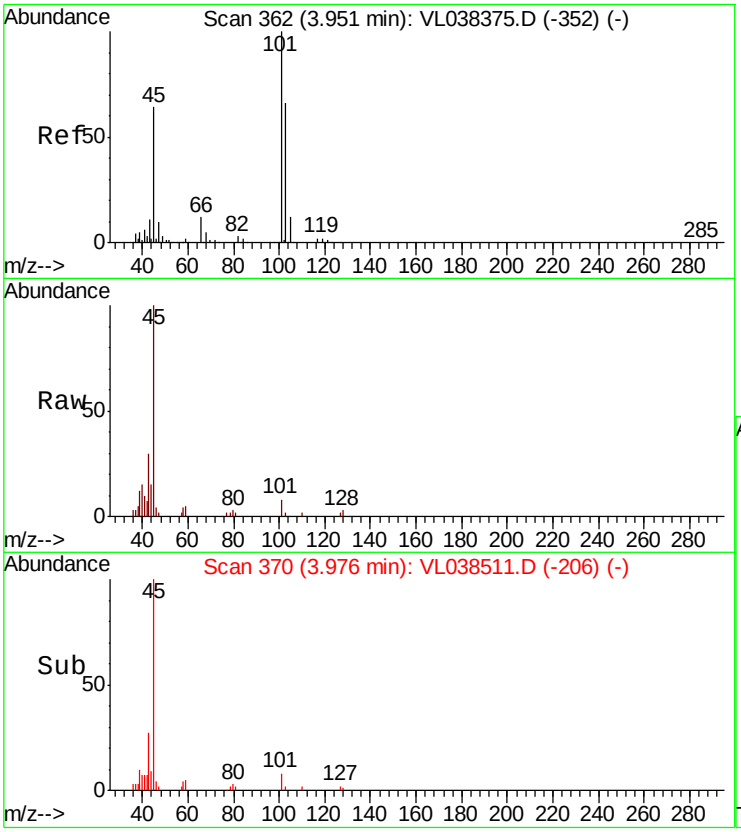


#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.03 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 59 Resp: 2925

Ion	Ratio	Lower	Upper
59	100		
57	41.5	8.4	12.6#



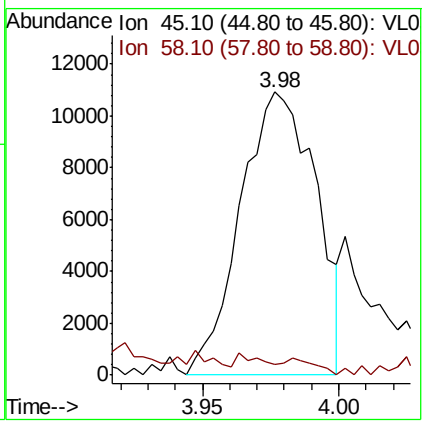


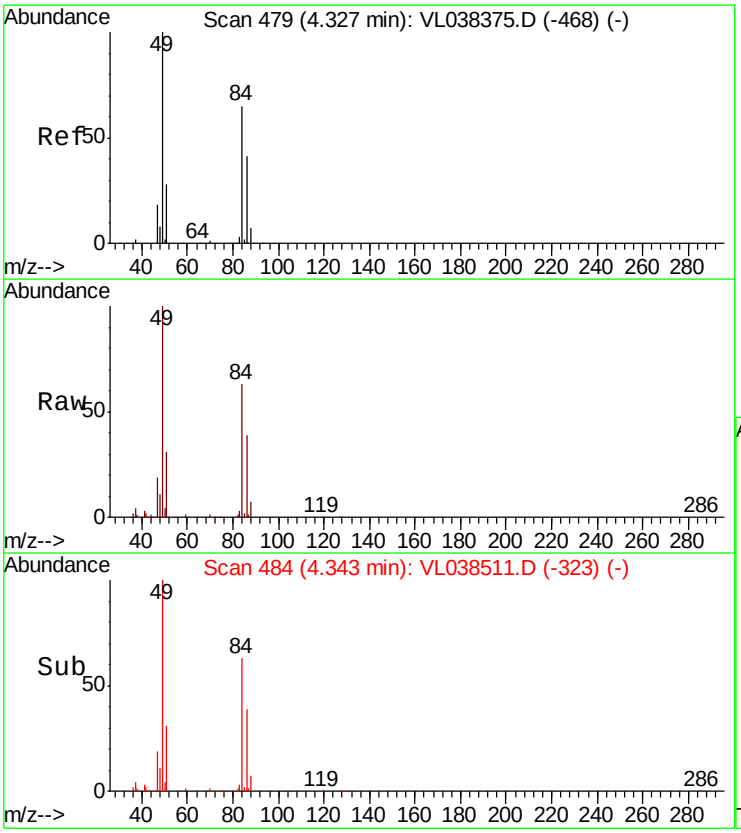
#19
Isopropyl Alcohol
Concen: 0.512 ppbv
RT: 3.98
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 45 Resp: 21048

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#

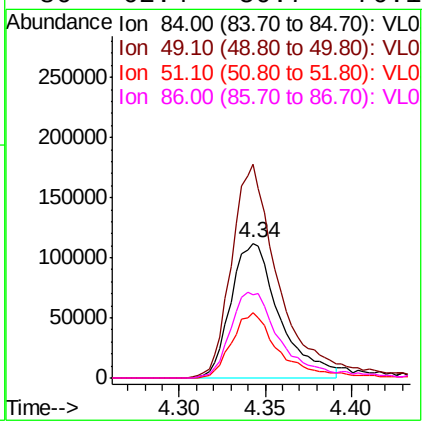


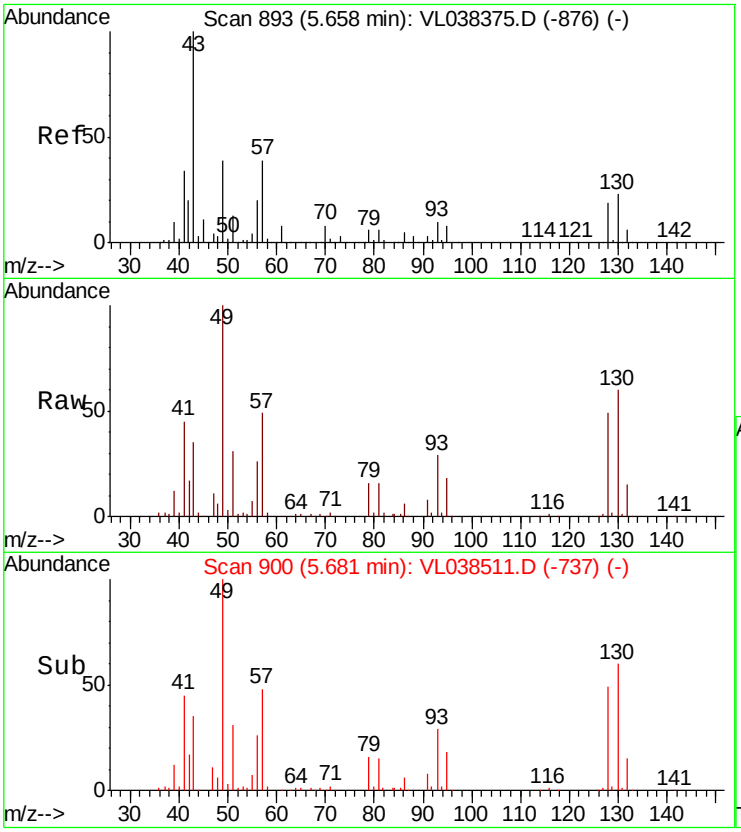


#20
Methylene Chloride
Concen: 6.269 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 84 Resp: 220307

Ion	Ratio	Lower	Upper
84	100		
49	158.7	122.4	183.6
51	48.4	33.3	49.9
86	62.4	50.7	76.1



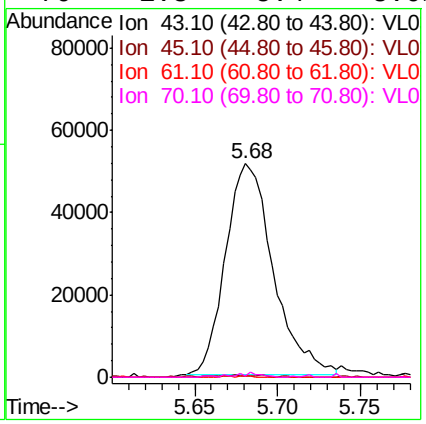


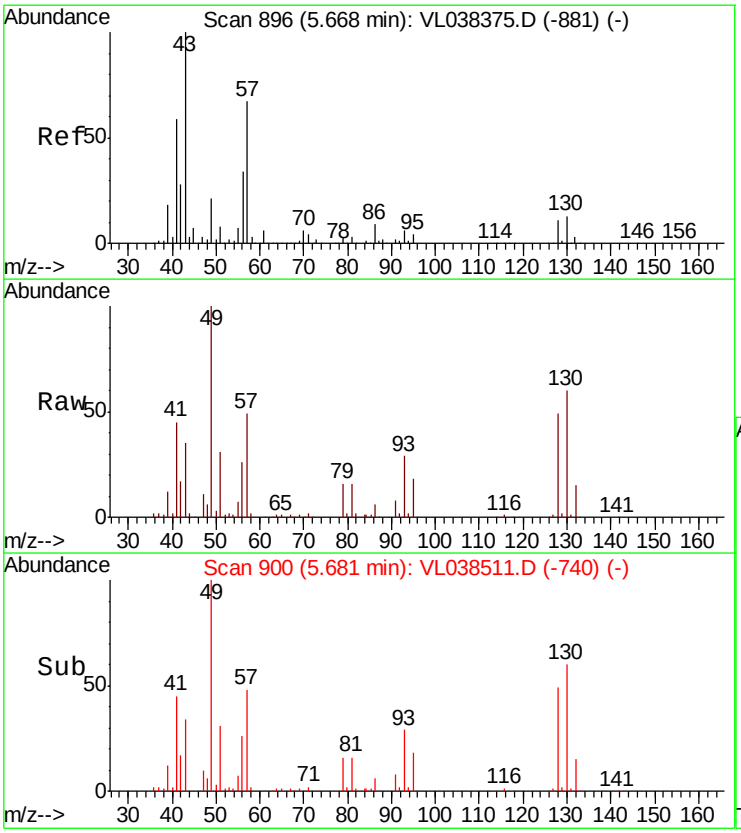
#25
Ethyl Acetate
Concen: 0.543 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 43 Resp: 103545

Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.8	11.6#
61	0.3	7.5	11.3#
70	1.3	5.4	8.0#

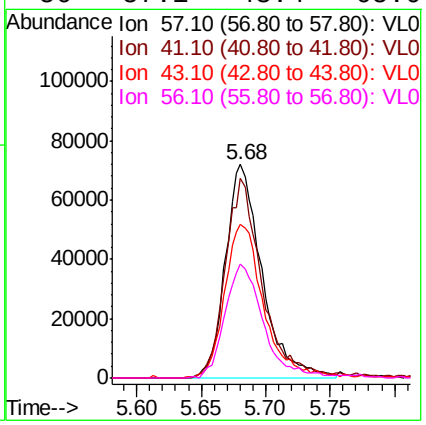


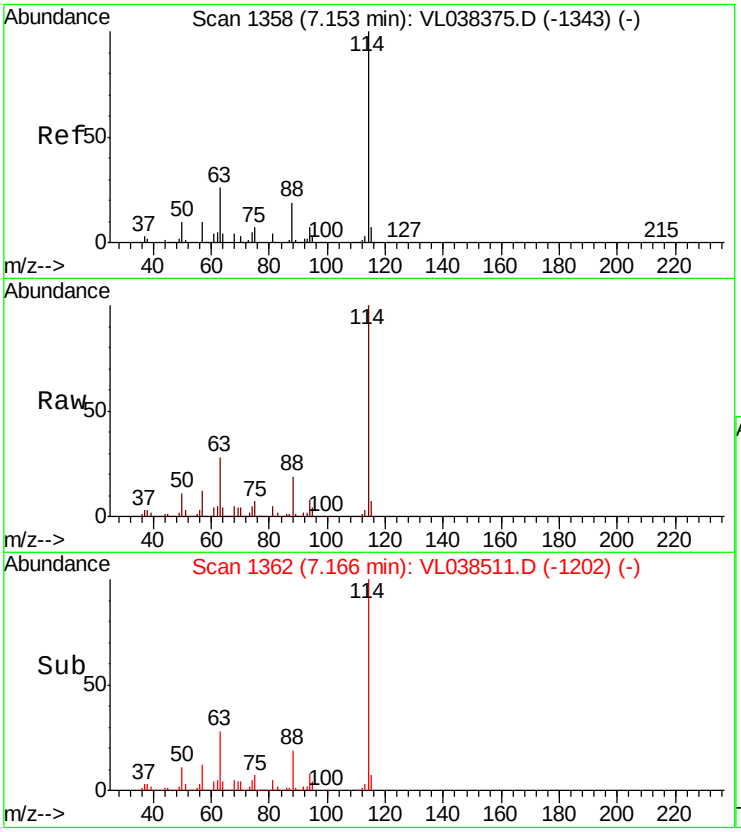


#26
Hexane
Concen: 1.637 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 57 Resp: 141254

Ion	Ratio	Lower	Upper
57	100		
41	96.6	73.1	109.7
43	77.2	181.0	271.4#
56	57.1	43.4	65.0



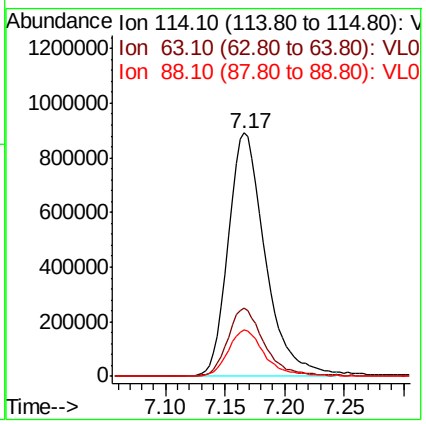


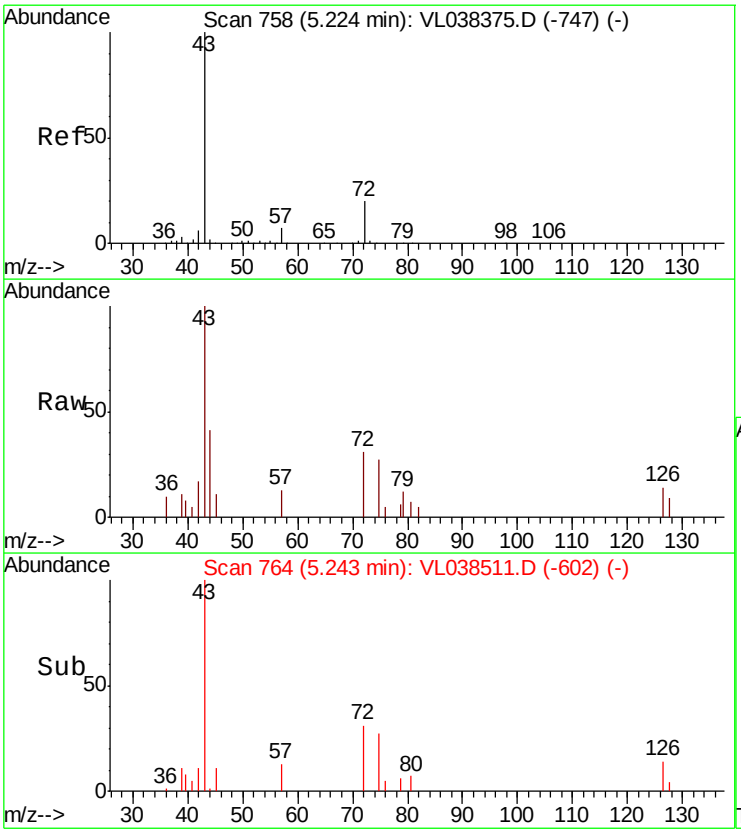
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:114 Resp: 1927121

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.2	33.2
88	19.1	15.2	22.8

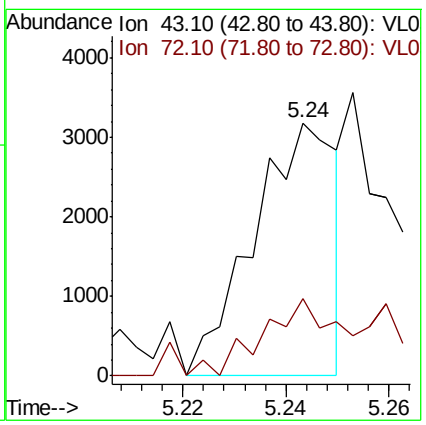


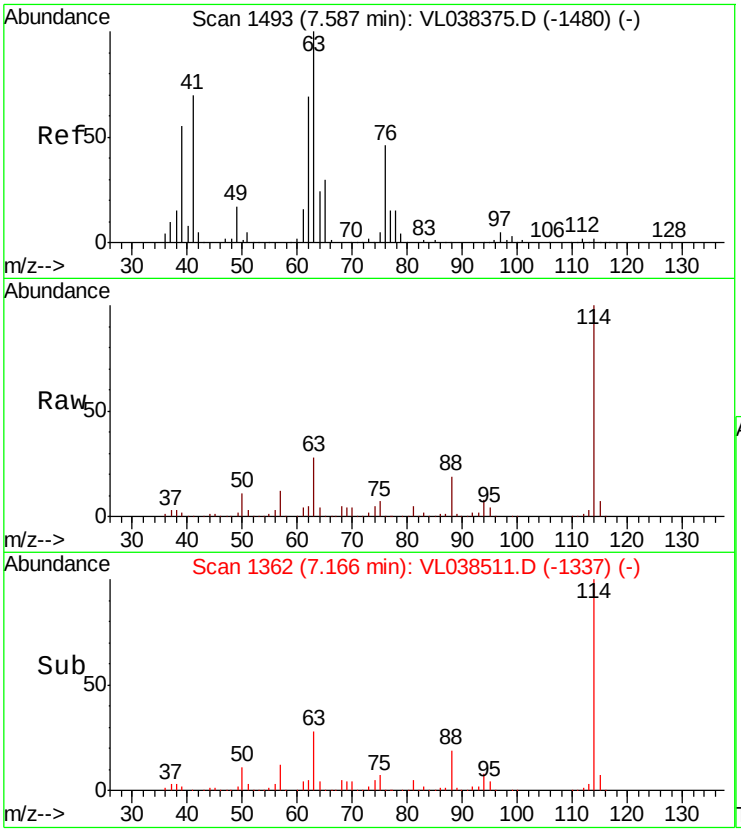


#34
2-Butanone
Concen: 0.058 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 43 Resp: 3536

Ion	Ratio	Lower	Upper
43	100		
72	53.5	17.4	26.2#



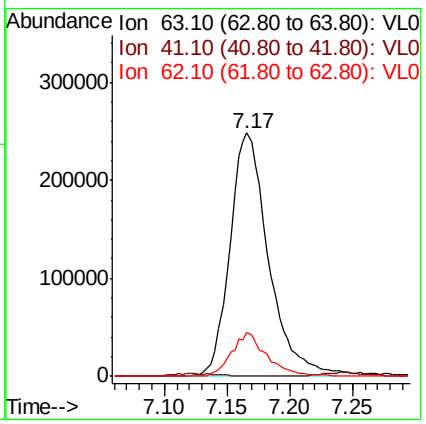


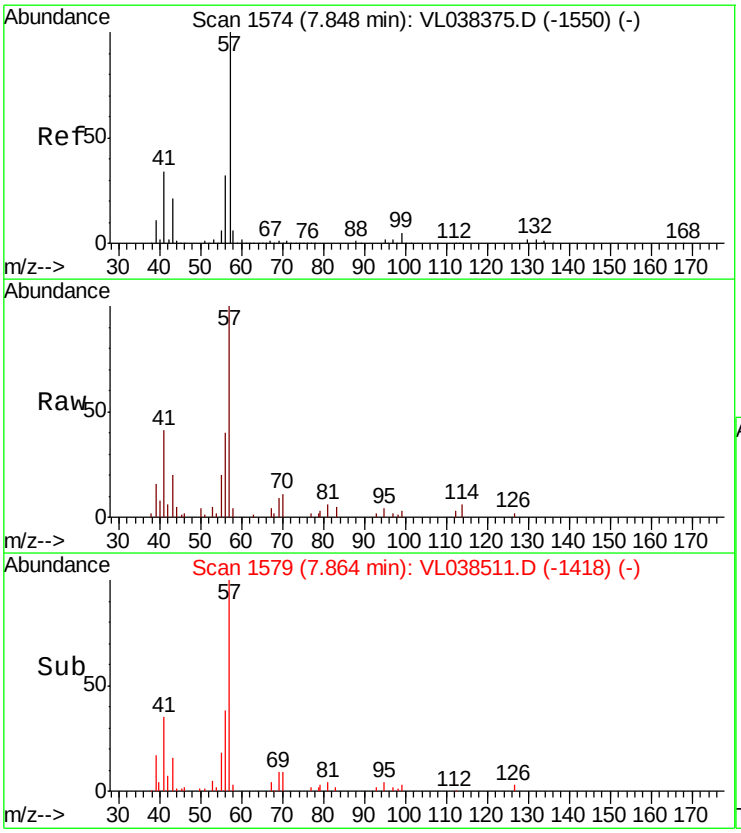
#39
1,2-Dichloropropane
Concen: 7.851 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 63 Resp: 530558

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.9	55.5	83.3#

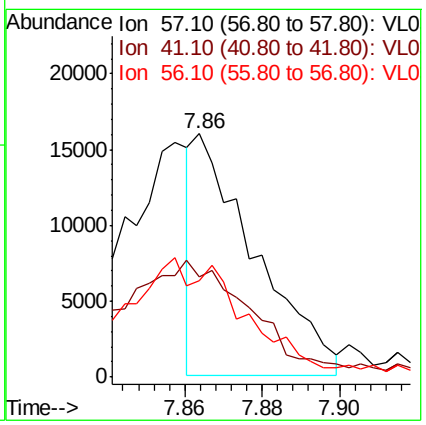


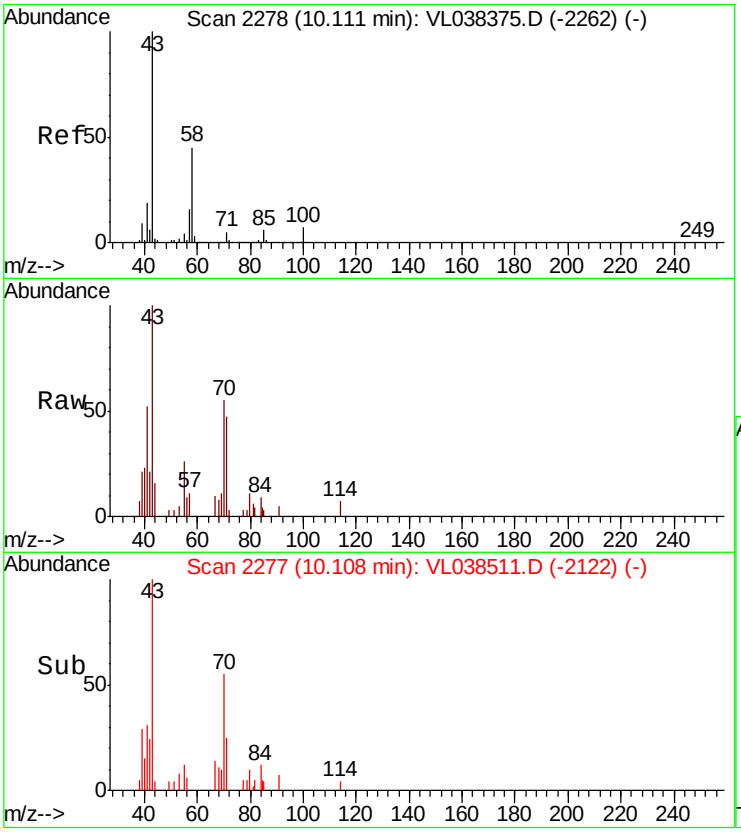


#44
2,2,4-Trimethylpentane
Concen: 0.060 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 57 Resp: 17413

Ion	Ratio	Lower	Upper
57	100		
41	111.8	26.6	39.8#
56	0.0	25.0	37.6#



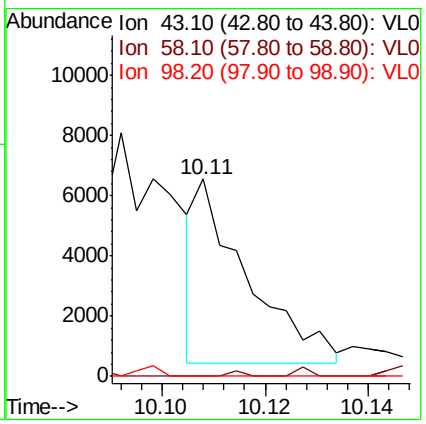


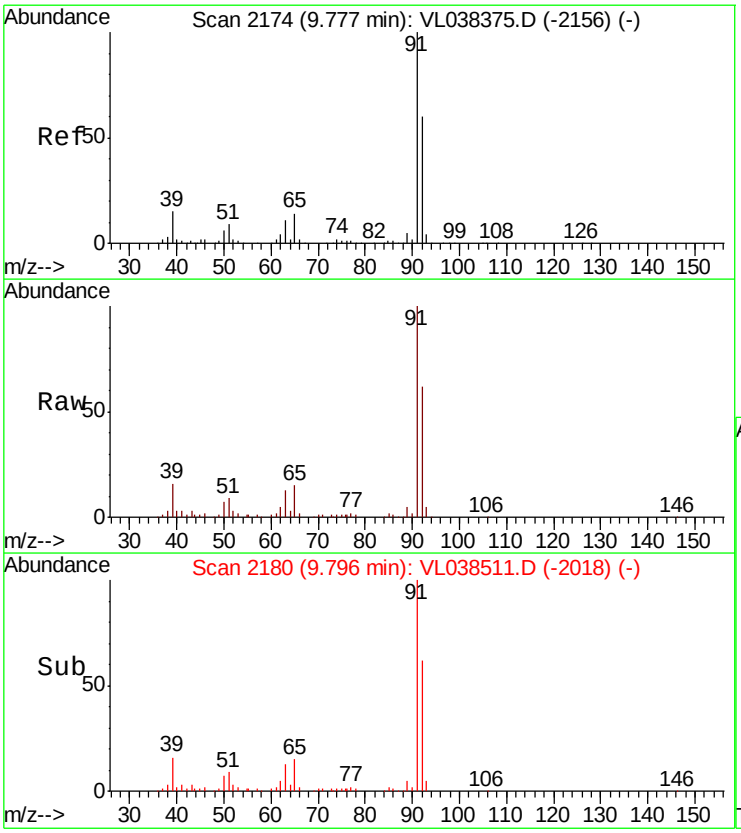
#51
2-Hexanone
Concen: 0.088 ppbv
RT: 10.11
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 43 Resp: 4235

Ion	Ratio	Lower	Upper
43	100		
58	3.6	37.4	56.0#
98	0.0	0.1	0.1#

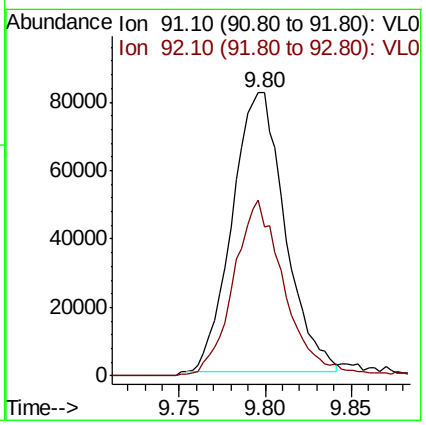


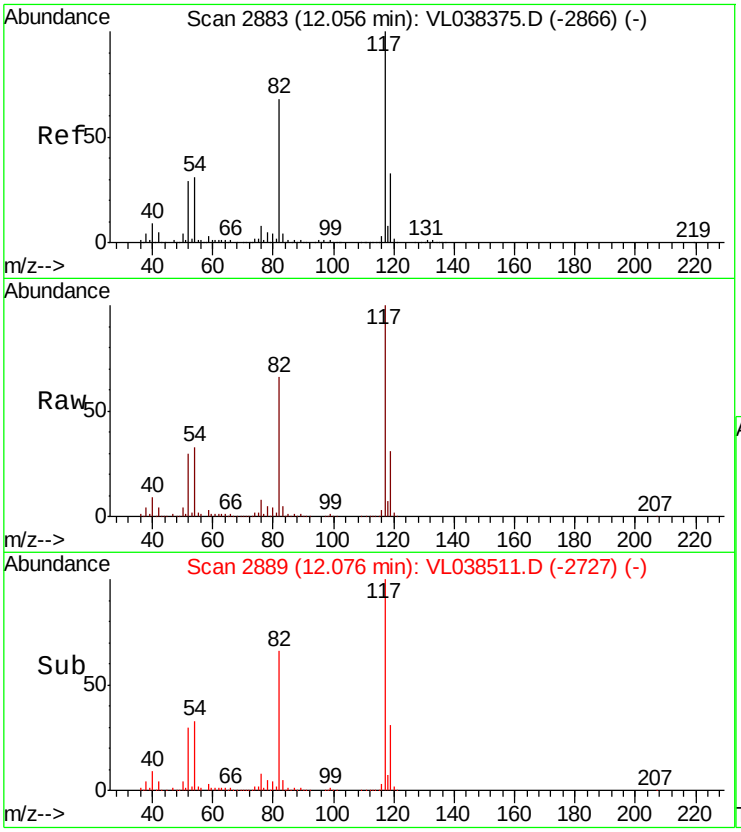


#53
Toluene
Concen: 0.941 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 91 Resp: 173291

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.2	72.4



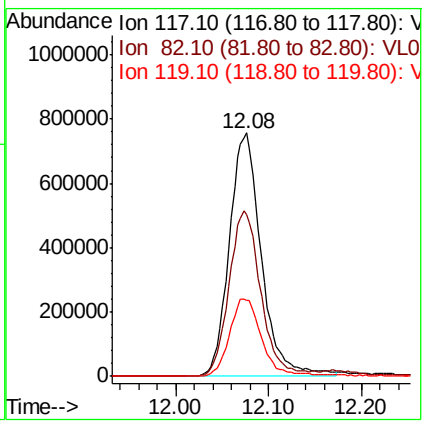


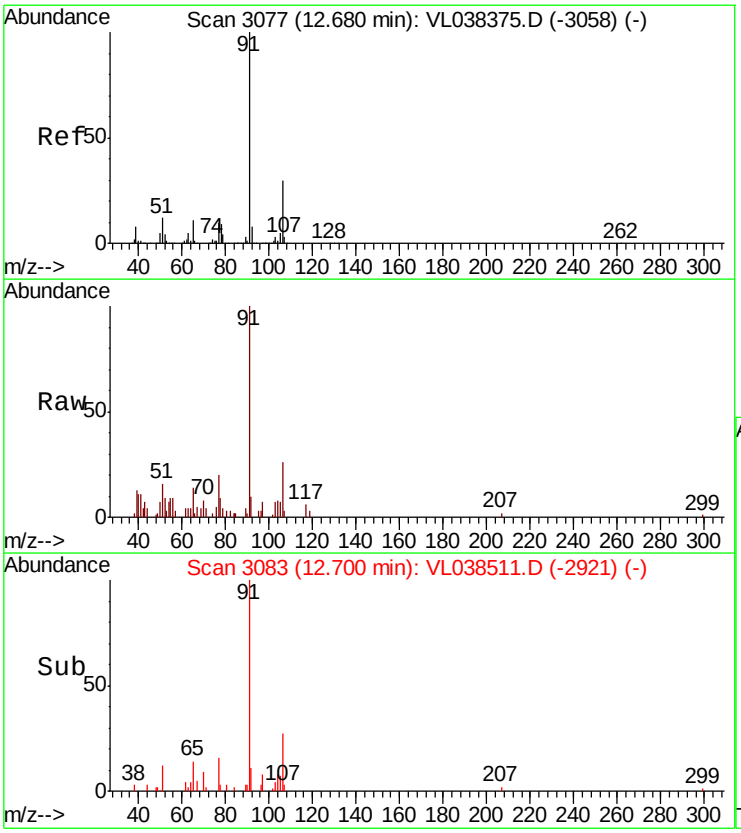
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:117 Resp: 1814622

Ion	Ratio	Lower	Upper
117	100		
82	68.2	54.9	82.3
119	32.8	46.1	69.1#

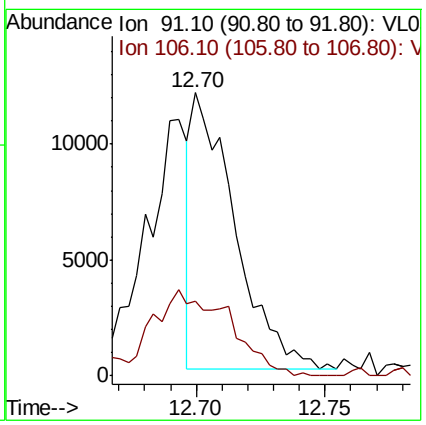


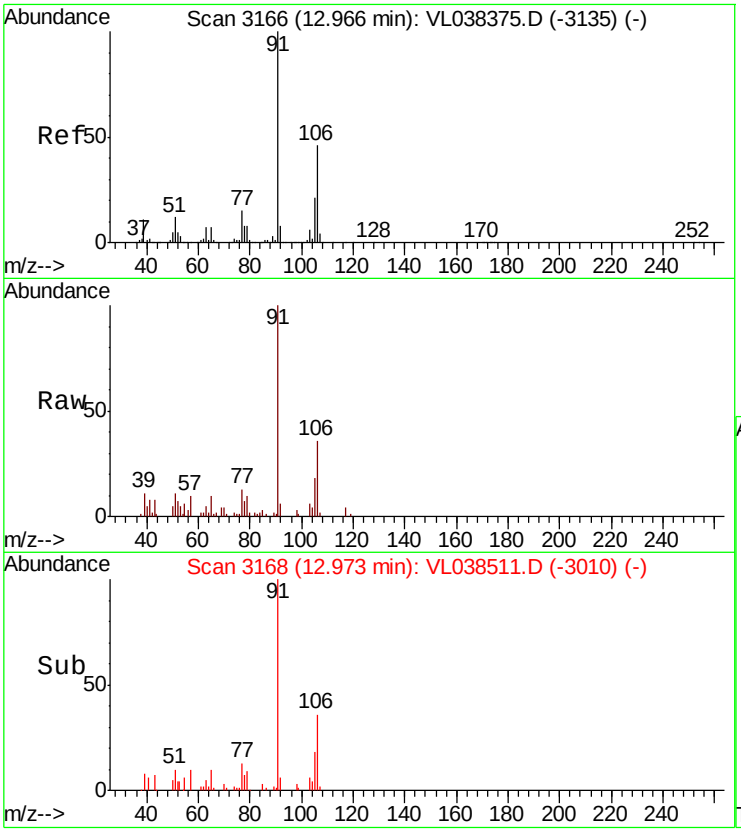


#58
Ethyl Benzene
Concen: 0.056 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 91 Resp: 13772

Ion	Ratio	Lower	Upper
91	100		
106	26.8	24.0	36.0



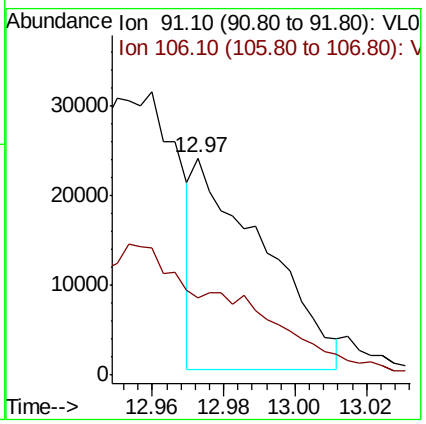


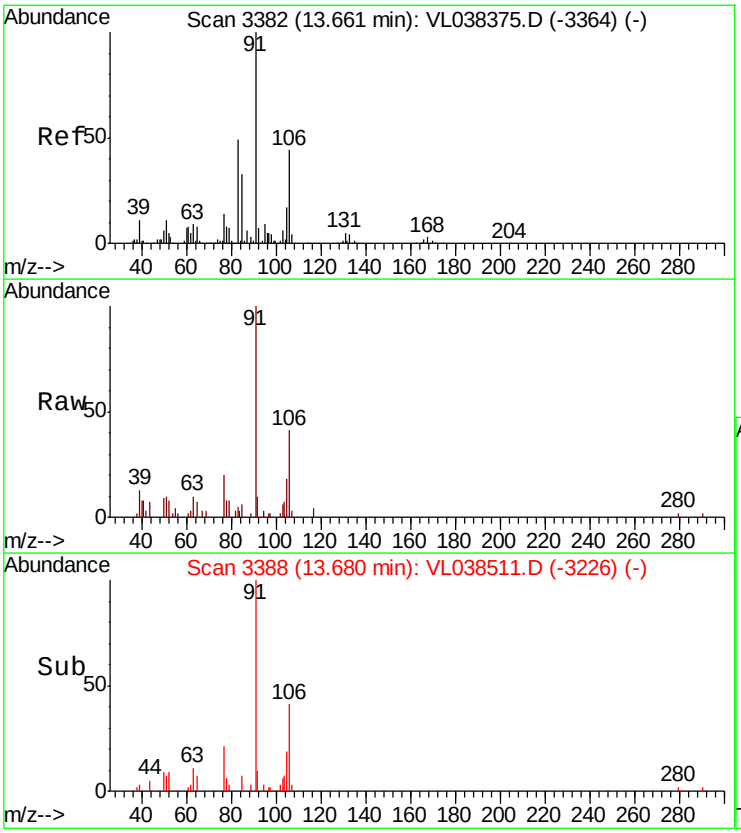
#59
m/p-Xylene
Concen: 0.151 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion: 91 Resp: 32154

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

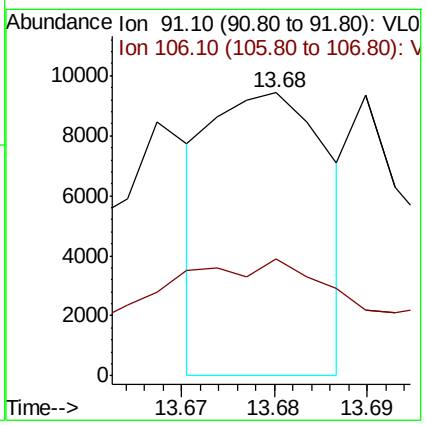


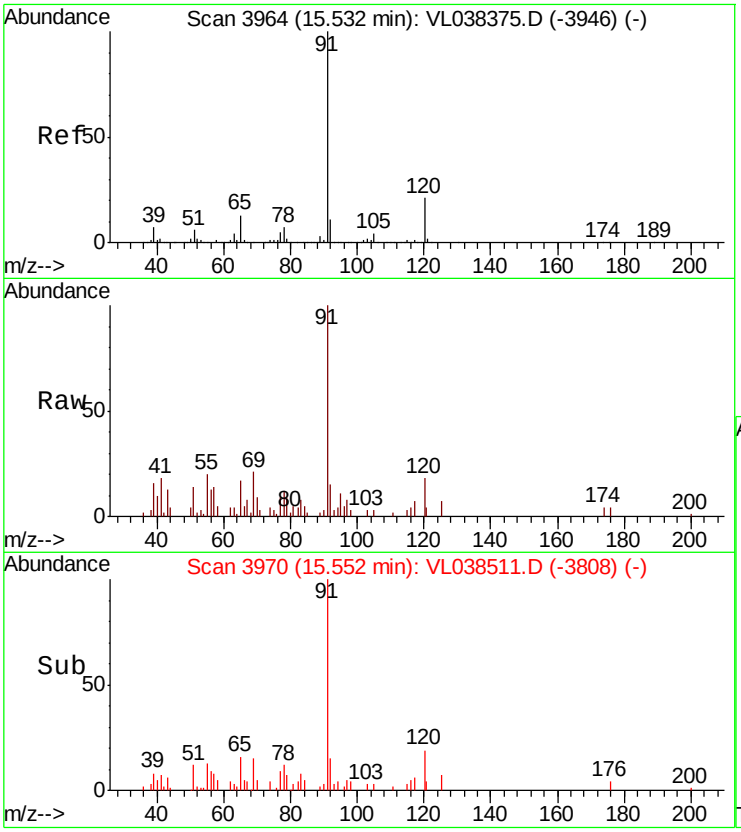


#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 91 Resp: 8268

Ion	Ratio	Lower	Upper
91	100		
106	110.8	21.9	65.5#



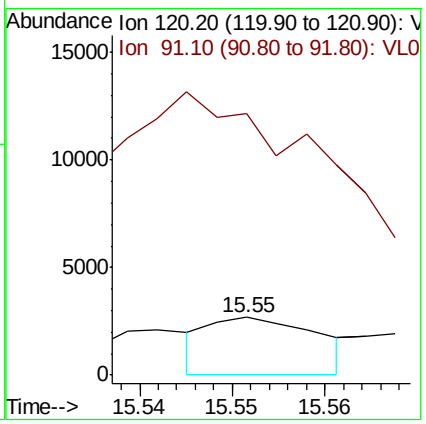


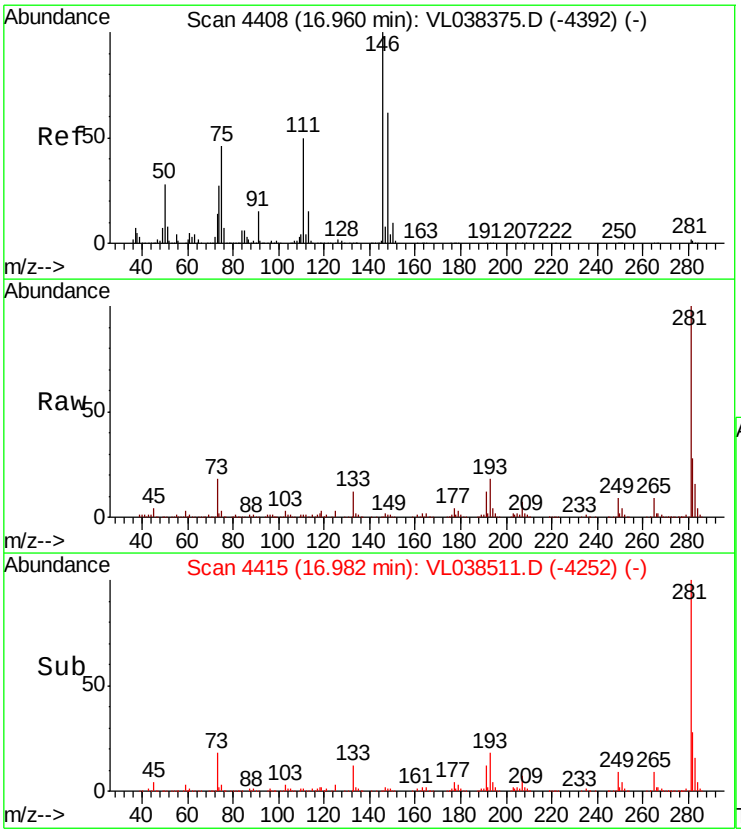
#64
n-propylbenzene
Concen: 0.033 ppbv
RT: 15.55
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:120 Resp: 2204

Ion	Ratio	Lower	Upper
120	100		
91	0.0	388.1	582.1#

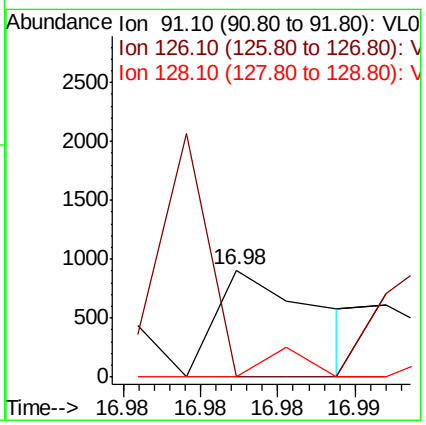


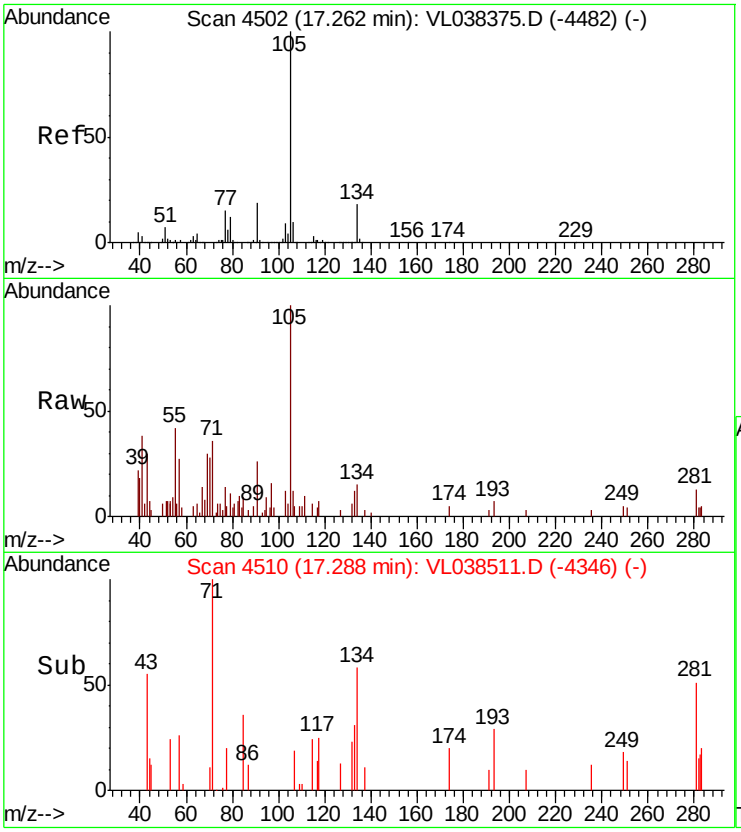


#66
Benzyl Chloride
Concen: 0.032 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 91 Resp: 409

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.3	18.5#
128	0.0	4.2	6.4#



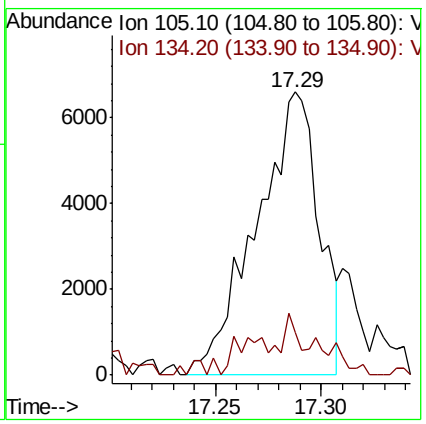


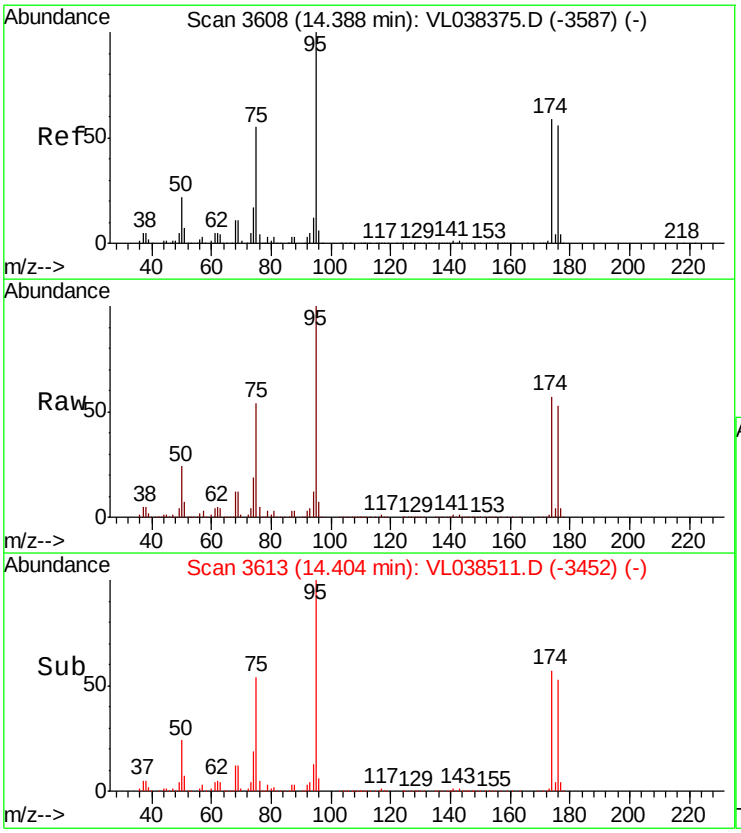
#67
sec-Butylbenzene
Concen: 0.041 ppbv
RT: 17.29
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:105 Resp: 13632

Ion	Ratio	Lower	Upper
105	100		
134	21.5	14.6	21.8

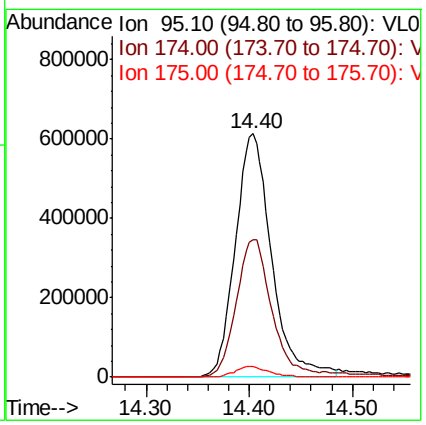


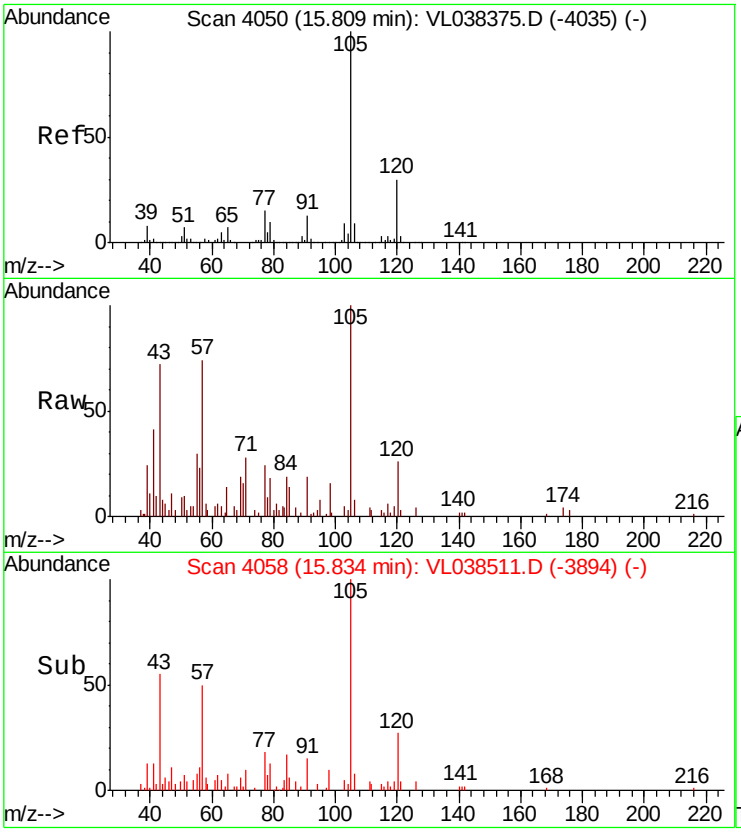


#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion: 95 Resp: 1501132

Ion	Ratio	Lower	Upper
95	100		
174	58.2	49.0	73.4
175	4.2	3.6	5.4



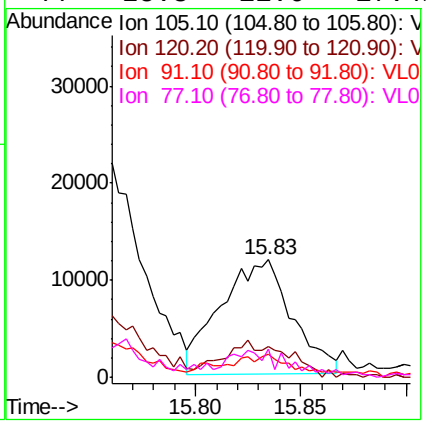


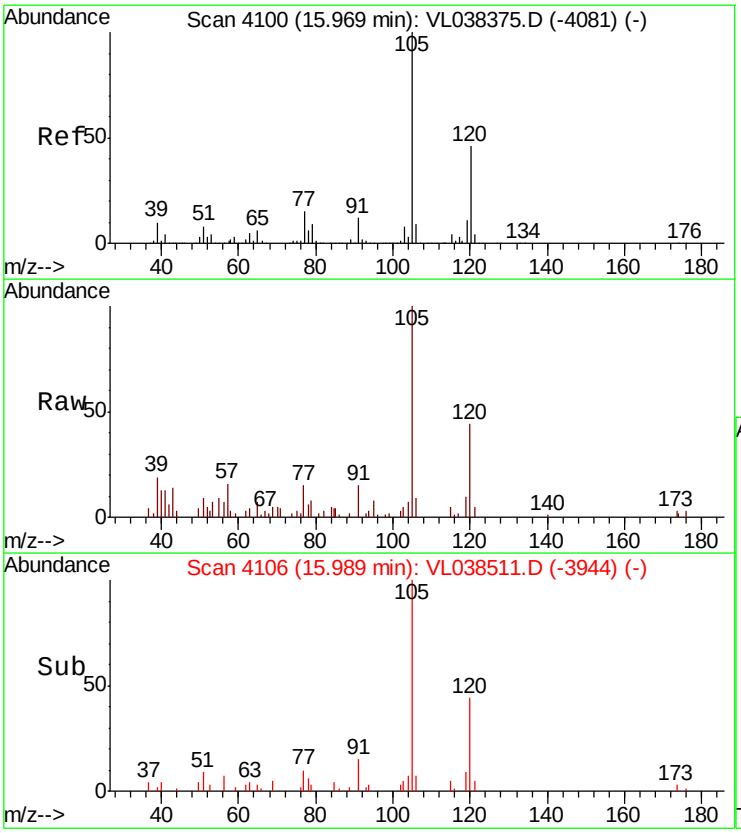
#72
4-Ethyltoluene
Concen: 0.124 ppbv
RT: 15.83
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:50

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:105 Resp: 27613

Ion	Ratio	Lower	Upper
105	100		
120	30.8	23.4	35.2
91	18.2	10.4	15.6#
77	25.3	11.6	17.4#

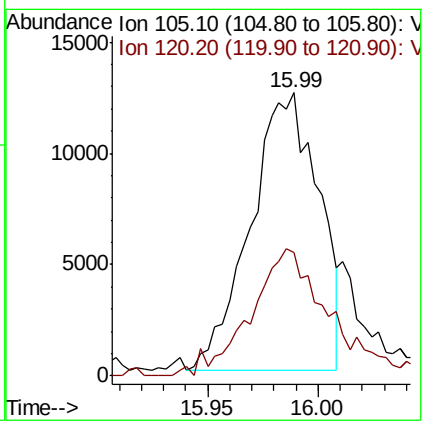


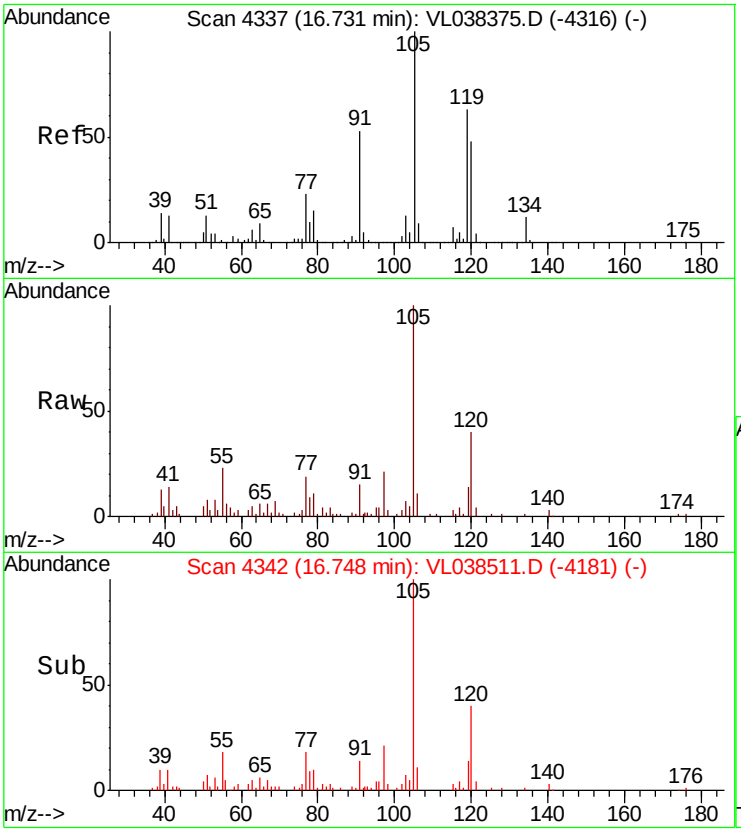


#73
1,3,5-Trimethylbenzene
Concen: 0.132 ppbv
RT: 15.99 min Scan# 4106
Delta R.T. 0.02 min
Lab File: VL038511.D
Acq: 3 Mar 2022 12:50

Tgt Ion:105 Resp: 26697

Ion	Ratio	Lower	Upper
105	100		
120	41.0	36.6	55.0





#74
1,2,4-Trimethylbenzene
Concen: 0.400 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 3 Mar 2022 12:30

Instrument :
MSVOA_L
ClientSampleId :
MP-3DL

Tgt Ion:105 Resp: 85109

Ion	Ratio	Lower	Upper
105	100		
120	39.9	38.2	57.4
91	15.8	42.7	64.1#
77	17.6	18.5	27.7#